```
        ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
        ShastraIntOut(fd, &pShmInfo->shmId);
        cmFlush(fd);
        return;
    }
#endif              /* USESHAREDMEMFORPICT */
    putStringOnChannel(fd, REQ_SEND_MSGPICT, "putCollSendMsgPictHandler()")
        ;
    ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
    PictDataBitesOut(fd, pPCBites);
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollRecvdMsgPictHandler(fd, buf)
    int             fd;
    char           *buf;
{
    putStringOnChannel(fd, REQ_RECVD_MSGPICT, "putCollRecvdMsgPictHandler(
        )");
    putStringOnChannel(fd, buf, "putCollRecvdMsgPictHandler()");
    cmFlush(fd);
}

/*
 * Function
 */

int
putCollStartXSCntlHandler(fd, pSIdTag)
    int             fd;
    shastraIdTag   *pSIdTag;
{
    putStringOnChannel(fd, REQ_START_XSCNTL, "putCollStartXSCntlHandler()")
        ;
    ShastraIdTagOut(fd, pSIdTag);
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollEndXSCntlHandler(fd, pSIdTag)
    int             fd;
    shastraIdTag   *pSIdTag;
{
    putStringOnChannel(fd, REQ_END_XSCNTL, "putCollEndXSCntlHandler()");
    ShastraIdTagOut(fd, pSIdTag);
    cmFlush(fd);
}
/*
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2001

```
 * Function
 */
int
putCollSendXSCntlHandler(fd, buf)
    int             fd;
    char           *buf;
{
    bunchOfThings  *bunch;
    bunch = (bunchOfThings *) buf;
    putStringOnChannel(fd, REQ_SEND_XSCNTL, "putCollSendXSCntlHandler()");
    ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
    putStringOnChannel(fd, bunch->things[1], "putCollSendXSCntlHandler()");
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollSendMsgXSCntlHandler(fd, buf)
    int             fd;
    char           *buf;
{
    bunchOfThings  *bunch;
    xsCntlDatas    *pXSCBites;
    int             n;
    shmInfo        *pShmInfo;

    bunch = (bunchOfThings *) buf;
    pXSCBites = (xsCntlDatas *) bunch->things[1];
#ifdef USESHAREDMEMFORXSCD
    if (kernelShastraId.lIPAddr == localShaIdIn[fd].lIPAddr) {
        pShmInfo = pSesMgrCollData->pShmInfoOut;
        if (!pShmInfo->shmDirty) {
            pShmInfo->shmDirty = 1;
/*CHECK*/
            n = 0;
            if (shMemReuseSegment(pShmInfo, ((n > 10240) ? n : 10240)) == 0
                ) {
                fprintf(stderr, "putCollSendMsgXSCntlHandler()->couldn't
                    shMemReuseSegment!\n");
            }
            xsCntlDatasMemOut(pShmInfo->shmAddr, pShmInfo->shmSize,
                pXSCBites);
        }
        putStringOnChannel(fd, REQ_SEND_MSGSHMXSCNTL,
                   "putCollSendMsgXSCntlHandler()");
        ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
        ShastraIntOut(fd, &pShmInfo->shmId);
        cmFlush(fd);
        return;
    }
#endif              /* USESHAREDMEMFORXSCD */
    putStringOnChannel(fd, REQ_SEND_MSGXSCNTL, "putCollSendMsgXSCntlHandler
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2002

```
        ()");
    ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
    XSCntlBitesOut(fd, pXSCBites);
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollRecvdMsgXSCntlHandler(fd, buf)
    int             fd;
    char           *buf;
{
    putStringOnChannel(fd, REQ_RECVD_MSGXSCNTL,
        "putCollRecvdMsgXSCntlHandler()");
    putStringOnChannel(fd, buf, "putCollRecvdMsgXSCntlHandler()");
    cmFlush(fd);
}

/*
 * Function
 */

int
putCollStartPntrHandler(fd, pSIdTag)
    int             fd;
    shastraIdTag   *pSIdTag;
{
    putStringOnChannel(fd, REQ_START_PNTR, "putCollStartPntrHandler()");
    ShastraIdTagOut(fd, pSIdTag);
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollEndPntrHandler(fd, pSIdTag)
    int             fd;
    shastraIdTag   *pSIdTag;
{
    putStringOnChannel(fd, REQ_END_PNTR, "putCollEndPntrHandler()");
    ShastraIdTagOut(fd, pSIdTag);
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollSendPntrHandler(fd, buf)
    int             fd;
    char           *buf;
{
    bunchOfThings  *bunch;
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2003

```
    bunch = (bunchOfThings *) buf;
    putStringOnChannel(fd, REQ_SEND_PNTR, "putCollSendPntrHandler()");
    ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
    putStringOnChannel(fd, bunch->things[1], "putCollSendPntrHandler()");
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollSendMsgPntrHandler(fd, buf)
    int             fd;
    char           *buf;
{
    bunchOfThings  *bunch;
    shaDoubles     *pPntrD;
    int             n;
    shmInfo        *pShmInfo;

    bunch = (bunchOfThings *) buf;
    pPntrD = (shaDoubles *) bunch->things[1];
#ifdef USESHAREDMEMFORPNTR
    if (kernelShastraId.lIPAddr == localShaIdIn[fd].lIPAddr) {
        pShmInfo = pSesMgrCollData->pShmInfoOut;
        if (!pShmInfo->shmDirty) {
            pShmInfo->shmDirty = 1;
            n = strlen(msg) + 1;
            if (shMemReuseSegment(pShmInfo, ((n > 10240) ? n : 10240)) == 0
                ) {
                fprintf(stderr, "putCollSendMsgPntrHandler()->couldn't
                    shMemReuseSegment!\n");
            }
            memcpy(pShmInfo->shmAddr, msg, n);
        }
        putStringOnChannel(fd, REQ_SEND_MSGSHMPNTR,
            "putCollSendMsgPntrHandler()");
        ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
        ShastraIntOut(fd, &pShmInfo->shmId);
        cmFlush(fd);
        return;
    }
#endif              /* USESHAREDMEMFORPNTR */

    putStringOnChannel(fd, REQ_SEND_MSGPNTR, "putCollSendMsgPntrHandler()")
        ;
    ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
    PntrBiteOut(fd, pPntrD);
    cmFlush(fd);
}
/*
 * Function
 */
int
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2004

```
putCollRecvdMsgPntrHandler(fd, buf)
    int             fd;
    char           *buf;
{
    putStringOnChannel(fd, REQ_RECVD_MSGPNTR, "putCollRecvdMsgPntrHandler(
        )");
    putStringOnChannel(fd, buf, "putCollRecvdMsgPntrHandler()");
    cmFlush(fd);
}


/*
 * Function
 */

int
putCollStartCursorHandler(fd, pSIdTag)
    int             fd;
    shastraIdTag   *pSIdTag;
{
    putStringOnChannel(fd, REQ_START_CURSOR, "putCollStartCursorHandler()")
        ;
    ShastraIdTagOut(fd, pSIdTag);
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollEndCursorHandler(fd, pSIdTag)
    int             fd;
    shastraIdTag   *pSIdTag;
{
    putStringOnChannel(fd, REQ_END_CURSOR, "putCollEndCursorHandler()");
    ShastraIdTagOut(fd, pSIdTag);
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollSendCursorHandler(fd, buf)
    int             fd;
    char           *buf;
{
    bunchOfThings  *bunch;
    bunch = (bunchOfThings *) buf;
    putStringOnChannel(fd, REQ_SEND_CURSOR, "putCollSendCursorHandler()");
    ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
    putStringOnChannel(fd, bunch->things[1], "putCollSendCursorHandler()");
    cmFlush(fd);
}
/*
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2005

```
 * Function
 */
int
putCollSendMsgCursorHandler(fd, buf)
    int             fd;
    char           *buf;
{
    bunchOfThings  *bunch;
    shaDoubles     *pCursorD;
    int             n;
    shmInfo        *pShmInfo;

    bunch = (bunchOfThings *) buf;
    pCursorD = (shaDoubles *) bunch->things[1];
#ifdef USESHAREDMEMFORCURSOR
    if (kernelShastraId.lIPAddr == localShaIdIn[fd].lIPAddr) {
        pShmInfo = pSesMgrCollData->pShmInfoOut;
        if (!pShmInfo->shmDirty) {
            pShmInfo->shmDirty = 1;
            n = strlen(msg) + 1;
            if (shMemReuseSegment(pShmInfo, ((n > 10240) ? n : 10240)) == 0
                ) {
                fprintf(stderr, "putCollSendMsgCursorHandler()->couldn't
                    shMemReuseSegment!\n");
            }
            memcpy(pShmInfo->shmAddr, msg, n);
        }
        putStringOnChannel(fd, REQ_SEND_MSGSHMCURSOR,
            "putCollSendMsgCursorHandler()");
        ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
        ShastraIntOut(fd, &pShmInfo->shmId);
        cmFlush(fd);
        return;
    }
#endif              /* USESHAREDMEMFORCURSOR */

    putStringOnChannel(fd, REQ_SEND_MSGCURSOR, "putCollSendMsgCursorHandler
        ()");
    ShastraIdTagOut(fd, (shastraIdTag *) bunch->things[0]);
    CursorBiteOut(fd, pCursorD);
    cmFlush(fd);
}
/*
 * Function
 */
int
putCollRecvdMsgCursorHandler(fd, buf)
    int             fd;
    char           *buf;
{
    putStringOnChannel(fd, REQ_RECVD_MSGCURSOR,
        "putCollRecvdMsgCursorHandler()");
    putStringOnChannel(fd, buf, "putCollRecvdMsgCursorHandler()");
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2006

```
    cmFlush(fd);
}



/*
 * Function
 */
int
putSetCollPermsHandler(fd, arg)
    int             fd;
    char           *arg;
{
    shastraIdTag   *pSIdTag;
    shastraIdTag   *pPermTag;
    bunchOfThings  *bunch = (bunchOfThings *) arg;

    pSIdTag = (shastraIdTag *) bunch->things[0];
    pPermTag = (shastraIdTag *) bunch->things[1];
    putStringOnChannel(fd, REQ_SET_COLLPERMS, "putSetCollPermsHandler()");
    ShastraIdTagOut(fd, pSIdTag);
    ShastraIdTagOut(fd, pPermTag);
    cmFlush(fd);
}

/*
 * Function
 */
int
putSetSesmCollPermsHandler(fd, arg)
    int             fd;
    char           *arg;
{
    shastraIdTag   *pSIdTag;
    shastraIdTags  *pPermTags;
    bunchOfThings  *bunch = (bunchOfThings *) arg;

    pSIdTag = (shastraIdTag *) bunch->things[0];
    pPermTags = (shastraIdTags *) bunch->things[1];
    putStringOnChannel(fd, REQ_SET_SESMCOLLPERMS,
        "putSetSesmCollPermsHandler()");
    ShastraIdTagOut(fd, pSIdTag);
    ShastraIdTagsOut(fd, pPermTags);
    cmFlush(fd);
}

/*
 * Function
 */
int
putCollSetIxnModeHandler(fd, pIxnMode)
    int             fd;
    unsigned long  *pIxnMode;
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2007

```
{
    putStringOnChannel(fd, REQ_SET_IXNMODE, "putCollSetIxnModeHandler()");
    ShastraULongOut(fd, pIxnMode);
    cmFlush(fd);
}

/*
 * Function
 */
int
putCollSetFloorModeHandler(fd, pFloorMode)
    int             fd;
    unsigned long  *pFloorMode;
{
    putStringOnChannel(fd, REQ_SET_FLOORMODE, "putCollSetFloorModeHandler(
        )");
    ShastraULongOut(fd, pFloorMode);
    cmFlush(fd);
}

/*
 * Function
 */
int
putCollSetSesFormatHandler(fd, pSesFormat)
    int             fd;
    unsigned long  *pSesFormat;
{
    putStringOnChannel(fd, REQ_SET_SESFORMAT, "putCollSetSesFormatHandler(
        )");
    ShastraULongOut(fd, pSesFormat);
    cmFlush(fd);
}

/*
 * Function
 */
int
putCollGrabTokenHandler(fd, pSIdTagToken)
    int             fd;
    shastraIdTag   *pSIdTagToken;
{
    putStringOnChannel(fd, REQ_GRAB_TOKEN, "putCollGrabTokenHandler()");
    ShastraIdTagOut(fd, pSIdTagToken);
    cmFlush(fd);
}

/*
 * Function
 */
int
putCollFreeTokenHandler(fd, pSIdTagToken)
    int             fd;
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2008

```
    shastraIdTag   *pSIdTagToken;
{
    putStringOnChannel(fd, REQ_FREE_TOKEN, "putCollFreeTokenHandler()");
    ShastraIdTagOut(fd, pSIdTagToken);
    cmFlush(fd);
}

/*
 * Function
 */
int
putCollTellTokenHandler(fd, pSIdTagToken)
    int             fd;
    shastraIdTag   *pSIdTagToken;
{
    putStringOnChannel(fd, REQ_TELL_TOKEN, "putCollTellTokenHandler()");
    ShastraIdTagOut(fd, pSIdTagToken);
    cmFlush(fd);
}

/*
 * Function
 */
int
putCollAskTokenHandler(fd, pSIdTagToken)
    int             fd;
    shastraIdTag   *pSIdTagToken;
{
    putStringOnChannel(fd, REQ_ASK_TOKEN, "putCollAskTokenHandler()");
    ShastraIdTagOut(fd, pSIdTagToken);
    cmFlush(fd);
}




/*
 * Function
 */
closedChannelCleanUpHandler(fd)
    int             fd;
{
    if (shaKernFlags[fd] == SHAFRONT) {
        collLeaveCleanUpHandler(fd);
    } else {
        mplexUnRegisterChannel(fd);
/* CHECK actually initiate retry-connection sequence */
    }
}

/*
 * Function
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2009

```
 */
int putCollCommMsgTextHandler(fd, pSmSIdTag, pToSIdTag, pSIdTag, sbMsg)
    int fd;
    shastraIdTag *pSmSIdTag;
    shastraIdTag *pToSIdTag;
    shastraIdTag *pSIdTag;
    char *sbMsg;
{
    putStringOnChannel(fd, REQ_COMM_MSGTEXT, "putCollCommMsgTextHandler()")
        ;
    ShastraIdTagOut(fd, pSmSIdTag);
    ShastraIdTagOut(fd, pToSIdTag);
    ShastraIdTagOut(fd, pSIdTag);
    sendDataString(fd, sbMsg);
    cmFlush(fd);
}

/*
 * Function
 */
int collCommMsgTextHandler(fd)
    int fd;
{
    shastraIdTag    smSIdTag;
    shastraIdTag    toSIdTag;
    shastraIdTag    sIdTag;
    char *sMsg;
    int outFd;

    ShastraIdTagIn(fd, &smSIdTag);
    ShastraIdTagIn(fd, &toSIdTag);
    ShastraIdTagIn(fd, &sIdTag);
    sMsg = cmReceiveString(fd);
    cmAckOk(fd);
    cmFlush(fd);

    switch(routeFrontSIdTagToFd(&toSIdTag, &outFd,
            "collCommMsgTextHandler()")){
        case route_FRONT:
            putCollCommMsgTextHandler(outFd, &smSIdTag, &toSIdTag,
                &sIdTag, sMsg);
        break;
        case route_ERROR:
        default:
        break;
    }
    sprintf(sbOutMsgBuf, "Done -- %s\n", REQ_COMM_MSGTEXT);
    showInfo(sbOutMsgBuf);
}

/*
 * Function
 */
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2010

```
int putCollCommMsgTextFileHandler(fd, pSmSIdTag, pToSIdTag, pSIdTag, sbMsg)
    int fd;
    shastraIdTag *pSmSIdTag;
    shastraIdTag *pToSIdTag;
    shastraIdTag *pSIdTag;
    char *sbMsg;
{
    putStringOnChannel(fd, REQ_COMM_MSGTEXTFILE,
        "putCollCommMsgTextFileHandler()");
    ShastraIdTagOut(fd, pSmSIdTag);
    ShastraIdTagOut(fd, pToSIdTag);
    ShastraIdTagOut(fd, pSIdTag);
    sendDataString(fd, sbMsg);
    cmFlush(fd);
}

/*
 * Function
 */
int collCommMsgTextFileHandler(fd)
    int fd;
{
    shastraIdTag    smSIdTag;
    shastraIdTag    toSIdTag;
    shastraIdTag    sIdTag;
    char *sMsg;
    int outFd;

    ShastraIdTagIn(fd, &smSIdTag);
    ShastraIdTagIn(fd, &toSIdTag);
    ShastraIdTagIn(fd, &sIdTag);
    sMsg = cmReceiveString(fd);
    cmAckOk(fd);
    cmFlush(fd);

    switch(routeFrontSIdTagToFd(&toSIdTag, &outFd,
            "collCommMsgTextFileHandler()")){
        case route_FRONT:
            putCollCommMsgTextFileHandler(outFd, &smSIdTag, &toSIdTag,
                &sIdTag, sMsg);
        break;
        case route_ERROR:
        default:
        break;
    }
    sprintf(sbOutMsgBuf, "Done -- %s\n", REQ_COMM_MSGTEXTFILE);
    showInfo(sbOutMsgBuf);
}

/*
 * Function
 */
int putCollCommMsgAudioHandler(fd, pSmSIdTag, pToSIdTag, pSIdTag, sbMsg)
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2011

```
    int fd;
    shastraIdTag *pSmSIdTag;
    shastraIdTag *pToSIdTag;
    shastraIdTag *pSIdTag;
    char *sbMsg;
{
    putStringOnChannel(fd, REQ_COMM_MSGAUDIO, "putCollCommMsgAudioHandler(
        )");
    ShastraIdTagOut(fd, pSmSIdTag);
    ShastraIdTagOut(fd, pToSIdTag);
    ShastraIdTagOut(fd, pSIdTag);
    sendDataString(fd, sbMsg);
    cmFlush(fd);
}

/*
 * Function
 */
int collCommMsgAudioHandler(fd)
    int fd;
{
    shastraIdTag    smSIdTag;
    shastraIdTag    toSIdTag;
    shastraIdTag    sIdTag;
    char *sMsg;
    int outFd;

    ShastraIdTagIn(fd, &smSIdTag);
    ShastraIdTagIn(fd, &toSIdTag);
    ShastraIdTagIn(fd, &sIdTag);
    sMsg = cmReceiveString(fd);
    cmAckOk(fd);
    cmFlush(fd);

    switch(routeFrontSIdTagToFd(&toSIdTag, &outFd,
            "collCommMsgAudioHandler()")){
        case route_FRONT:
            putCollCommMsgAudioHandler(outFd, &smSIdTag, &toSIdTag,
                &sIdTag, sMsg);
        break;
        case route_ERROR:
        default:
        break;
    }
    sprintf(sbOutMsgBuf, "Done -- %s\n", REQ_COMM_MSGAUDIO);
    showInfo(sbOutMsgBuf);
}

/*
 * Function
 */
int putCollCommMsgAudioFileHandler(fd, pSIdTag, pToSIdTag, pSmSIdTag, sbMsg
    )
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2012

```
    int fd;
    shastraIdTag *pSIdTag;
    shastraIdTag *pToSIdTag;
    shastraIdTag *pSmSIdTag;
    char *sbMsg;
{
    putStringOnChannel(fd, REQ_COMM_MSGAUDIOFILE,
        "putCollCommMsgAudioFileHandler()");
    ShastraIdTagOut(fd, pSmSIdTag);
    ShastraIdTagOut(fd, pToSIdTag);
    ShastraIdTagOut(fd, pSIdTag);
    sendDataString(fd, sbMsg);
    cmFlush(fd);
}

/*
 * Function
 */
int collCommMsgAudioFileHandler(fd)
    int fd;
{
    shastraIdTag    smSIdTag;
    shastraIdTag    toSIdTag;
    shastraIdTag    sIdTag;
    char *sMsg;
    int outFd;

    ShastraIdTagIn(fd, &smSIdTag);
    ShastraIdTagIn(fd, &toSIdTag);
    ShastraIdTagIn(fd, &sIdTag);
    sMsg = cmReceiveString(fd);
    cmAckOk(fd);
    cmFlush(fd);

    switch(routeFrontSIdTagToFd(&toSIdTag, &outFd,
            "collCommMsgAudioFileHandler()")){
        case route_FRONT:
            putCollCommMsgAudioFileHandler(outFd, &smSIdTag, &toSIdTag,
                &sIdTag, sMsg);
        break;
        case route_ERROR:
        default:
        break;
    }
    sprintf(sbOutMsgBuf, "Done -- %s\n", REQ_COMM_MSGAUDIOFILE);
    showInfo(sbOutMsgBuf);
}

/*
 * Function
 */
int putCollCommMsgVideoHandler(fd, pSmSIdTag, pToSIdTag, pSIdTag, sbMsg)
    int fd;
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2013

```
    shastraIdTag *pSmSIdTag;
    shastraIdTag *pToSIdTag;
    shastraIdTag *pSIdTag;
    char *sbMsg;
{
    putStringOnChannel(fd, REQ_COMM_MSGVIDEO, "putCollCommMsgVideoHandler(
        )");
    ShastraIdTagOut(fd, pSmSIdTag);
    ShastraIdTagOut(fd, pToSIdTag);
    ShastraIdTagOut(fd, pSIdTag);
    sendDataString(fd, sbMsg);
    cmFlush(fd);
}

/*
 * Function
 */
int collCommMsgVideoHandler(fd)
    int fd;
{
    shastraIdTag    smSIdTag;
    shastraIdTag    toSIdTag;
    shastraIdTag    sIdTag;
    char *sMsg;
    int outFd;

    ShastraIdTagIn(fd, &smSIdTag);
    ShastraIdTagIn(fd, &toSIdTag);
    ShastraIdTagIn(fd, &sIdTag);
    sMsg = cmReceiveString(fd);
    cmAckOk(fd);
    cmFlush(fd);

    switch(routeFrontSIdTagToFd(&toSIdTag, &outFd,
            "collCommMsgVideoHandler()")){
        case route_FRONT:
            putCollCommMsgVideoHandler(outFd, &smSIdTag, &toSIdTag,
                &sIdTag, sMsg);
        break;
        case route_ERROR:
        default:
        break;
    }
    sprintf(sbOutMsgBuf, "Done -- %s\n", REQ_COMM_MSGVIDEO);
    showInfo(sbOutMsgBuf);
}

/*
 * Function
 */
int putCollCommMsgVideoFileHandler(fd, pSmSIdTag, pToSIdTag, pSIdTag, sbMsg
    )
    int fd;
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2014

```
    shastraIdTag *pSmSIdTag;
    shastraIdTag *pToSIdTag;
    shastraIdTag *pSIdTag;
    char *sbMsg;
{
    putStringOnChannel(fd, REQ_COMM_MSGVIDEOFILE,
        "putCollCommMsgVideoFileHandler()");
    ShastraIdTagOut(fd, pSmSIdTag);
    ShastraIdTagOut(fd, pToSIdTag);
    ShastraIdTagOut(fd, pSIdTag);
    sendDataString(fd, sbMsg);
    cmFlush(fd);
}

/*
 * Function
 */
int collCommMsgVideoFileHandler(fd)
    int fd;
{
    shastraIdTag    smSIdTag;
    shastraIdTag    toSIdTag;
    shastraIdTag    sIdTag;
    char *sMsg;
    int outFd;

    ShastraIdTagIn(fd, &smSIdTag);
    ShastraIdTagIn(fd, &toSIdTag);
    ShastraIdTagIn(fd, &sIdTag);
    sMsg = cmReceiveString(fd);
    cmAckOk(fd);
    cmFlush(fd);

    switch(routeFrontSIdTagToFd(&toSIdTag, &outFd,
            "collCommMsgVideoFileHandler()")){
        case route_FRONT:
            putCollCommMsgVideoFileHandler(outFd, &smSIdTag, &toSIdTag,
                &sIdTag, sMsg);
        break;
        case route_ERROR:
        default:
        break;
    }
    sprintf(sbOutMsgBuf, "Done -- %s\n", REQ_COMM_MSGVIDEOFILE);
    showInfo(sbOutMsgBuf);
}
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2015

```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>

#include <X11/Intrinsic.h>
#include <X11/StringDefs.h>
#include <X11/Shell.h>

#include <Xm/Form.h>
#include <Xm/Label.h>
#include <Xm/Text.h>
#include <Xm/RowColumn.h>

#include <shastra/uitools/strListUtilities.h>
#include <shastra/uitools/buttonBox.h>
#include <shastra/uitools/confirmCB.h>
#include <shastra/uitools/chooseOne.h>
#include <shastra/uitools/callbackArg.h>

#include <shastra/datacomm/shastraIdH.h>
#include <shastra/datacomm/shastraIdTagH.h>

#include <shastra/shautils/shautils.h>
#include <shastra/shautils/kernelFronts.h>
#include <shastra/shautils/sesMgrFronts.h>

#include <shastra/session/sesMgrMainCB.h>
#include <shastra/session/sesMgr.h>
#include <shastra/session/sesMgr_client.h>
#include <shastra/session/sesMgrState.h>
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2016

```
/*
 * Function: createMainCmdShell (private)
 *
 */

Widget
createMainCmdShell(wgParent)
    Widget          wgParent;
{
    Widget          wgMainCmdShell, wgMainCmdForm;
    Widget          wgName;
    XmString        xmName;
    char *sName;

    /* Create the menu popup shell */
    wgMainCmdShell = XtVaCreatePopupShell("mainCmdShell",
                topLevelShellWidgetClass, wgParent, NULL);

    /*
     * Create the menu form widget used to position the widgets inside
     * the
     */
    /* menu window */
    wgMainCmdForm = XtVaCreateManagedWidget("mainCmdForm",
        xmFormWidgetClass,
                    wgMainCmdShell, NULL);

    sName = resolveNameFrom2Bases(pSesMgrAppData->sDirBase,
                  pSesMgrAppData->sDirDefs, "bitmaps/terminal.xbm");
    wgName = XtVaCreateManagedWidget("hostNameLabel", xmLabelWidgetClass,
                   wgMainCmdForm,
                   XmNbackgroundPixmap,
                      convertStringToPixmap(wgMainCmdForm, sName),
                   NULL);
    xmName = XmStringCreateSimple(shortenName(kernelHostName));
    XtVaSetValues(wgName, XmNlabelString, (XtArgVal) xmName, NULL);
    XmStringFree(xmName);

    /*
     * Create the button box and state box objects that are inside the
     * menu
     */
    /* window */

    createMainCmdButtonBox(wgMainCmdForm);
    createMainDbgButtonBox(wgMainCmdForm);
    createTextStatusBox(wgMainCmdForm);

    return wgMainCmdShell;
}

/*
 * Function: createMainCmdButtonBox (private)
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2017

```
 */
Widget          wgMainKill;
Widget          wgMainQuit;
chooseOne      *pcoShastraSesMgr;
chooseOne      *pcoShastraKern;
chooseOne      *pcoShastraFront;
chooseOne      *pcoShastraSys;
char          **rgsbShastraKern;
char          **rgsbShastraSesMgr;
char          **rgsbShastraFront;
char          **rgsbShastraSys;
char           *rgsbNull[] = {NULL};

void
createMainCmdButtonBox(wgParent)
    Widget          wgParent;
{
    static button   abu[] = {
        {"kill", &wgMainKill},
        {"quit", &wgMainQuit},
        {NULL, NULL}
    };

    buttonBoxCreate("mainBtnsBox", wgParent, abu, True);

    /* Create a choose one object to select one system */
    pcoShastraFront = chooseOneCreate(NULL, coNoInitialHighlight,
                      wgMainKill, chooseOneTestCB,
                    (XtPointer) pcbArgPopup, wgMainKill,
                       "Choose Local Front-end", 200, NULL);
    chooseOneChangeList(pcoShastraFront, rgsbNull, coNoInitialHighlight);

    /* Create a choose one object to select one system */
    pcoShastraSesMgr = chooseOneCreate(NULL, coNoInitialHighlight,
                       wgMainKill, chooseOneTestCB,
                     (XtPointer) pcbArgPopup, wgMainKill,
                      "Choose Remote SesMgr", 200, NULL);
    chooseOneChangeList(pcoShastraSesMgr, rgsbNull, coNoInitialHighlight);

    /* Create a choose one object to select one system */
    pcoShastraKern = chooseOneCreate(NULL, coNoInitialHighlight,
                     wgMainKill, chooseOneTestCB,
                     (XtPointer) pcbArgPopup, wgMainKill,
                     "Choose Remote Kernel", 200, NULL);
    chooseOneChangeList(pcoShastraKern, rgsbNull, coNoInitialHighlight);

    /* Create a choose one object to select one system */
    pcoShastraSys = chooseOneCreate(NULL, coNoInitialHighlight,
                    wgMainKill, chooseOneTestCB,
                    (XtPointer) pcbArgPopup, wgMainKill,
                    "Choose Remote System", 200, NULL);
    chooseOneChangeList(pcoShastraSys, rgsbNull, coNoInitialHighlight);
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2018

```
    XtAddCallback(wgMainQuit, XmNactivateCallback, mainQuitCB, NULL);
    XtAddCallback(wgMainKill, XmNactivateCallback, mainKillCB,
              (XtPointer) pcoShastraFront);
}

/*
 * Function: createTextStatusBox (private)
 */
Widget          wgStatusText;

void
createTextStatusBox(wgParent)
    Widget          wgParent;
{
    Arg             args[8];
    int             n;

    n = 0;
    XtSetArg(args[n], XmNrows, 5);
    n++;
    XtSetArg(args[n], XmNcolumns, 40);
    n++;
    XtSetArg(args[n], XmNeditable, False);
    n++;
    XtSetArg(args[n], XmNeditMode, XmMULTI_LINE_EDIT);
    n++;
    XtSetArg(args[n], XmNscrollBarDisplayPolicy, XmAS_NEEDED);
    n++;
    wgStatusText = XmCreateScrolledText(wgParent, "mainStatusText",
                        args, n);
    XtManageChild(wgStatusText);
}


/*
 * Function: createMainDbgButtonBox (private)
 */
Widget          wgDbgCheckSys;
Widget          wgDbgGetSys;
Widget          wgDbgGetKern;
Widget          wgDbgCheckSmFr;
Widget          wgDbgGetSmFr;
Widget          wgDbgGetSesm;

void
createMainDbgButtonBox(wgParent)
    Widget          wgParent;
{
    static button   abu[] = {
        {"getKern", &wgDbgGetKern},
        {"getSys", &wgDbgGetSys},
        {"checkSys", &wgDbgCheckSys},
        {"getSesm", &wgDbgGetSesm},
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2019

```
        {"getSmFr", &wgDbgGetSmFr},
        {"checkSmFr", &wgDbgCheckSmFr},
        {NULL, NULL}
    };

    buttonBoxCreate("dbgBtnsBox", wgParent, abu, True);

    XtAddCallback(wgDbgCheckSys, XmNactivateCallback, dbgCheckSysCB,
            (XtPointer) pcoShastraKern);
    XtAddCallback(wgDbgGetSys, XmNactivateCallback, dbgGetSysCB,
            (XtPointer) pcoShastraKern);
    XtAddCallback(wgDbgGetKern, XmNactivateCallback, dbgGetKernCB,
            (XtPointer) NULL);
    XtAddCallback(wgDbgCheckSmFr, XmNactivateCallback, dbgCheckSmFrCB,
            (XtPointer) pcoShastraSesMgr);
    XtAddCallback(wgDbgGetSmFr, XmNactivateCallback, dbgGetSmFrCB,
            (XtPointer) pcoShastraSesMgr);
    XtAddCallback(wgDbgGetSesm, XmNactivateCallback, dbgGetSesmCB,
            (XtPointer) NULL);
}

void
mainKillCB(widget, xpClientData, call_data)
    Widget          widget;
    XtPointer       xpClientData, call_data;
{
    chooseOne      *pco = (chooseOne *) xpClientData;

    strcpy(pcbArgPopup->msg, "chooseSystem");
    pcbArgPopup->operation = endSystemOprn;
    pcbArgPopup->fWantOprn = 1;
    pcbArgPopup->fWantArg = 0;  /* no call for name */
    pcbArgPopup->wgInitiator = widget;

    /* Pop up the choose one object */
    chooseOneMobExec(pco, widget);

}

void
mainQuitCB(widget, closure, call_data)
    Widget          widget;
    XtPointer       closure, call_data;
{
    strcpy(pcbArgPopup->msg, "Confirm Action");
    strcpy(pcbArgPopup->prompt, "Please Confirm Action");
    pcbArgPopup->operation = quitOprn;
    pcbArgPopup->fWantOprn = 1;
    pcbArgPopup->fWantArg = 0;  /* call for name */
    pcbArgPopup->wgInitiator = widget;
    ConfirmPopup(widget);

}
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2020

```
void
dbgCheckSysCB(wg, xpClientData, call_data)
    Widget          wg;
    XtPointer       xpClientData, call_data;
{
    chooseOne      *pco = (chooseOne *) xpClientData;

    strcpy(pcbArgPopup->msg, "chooseKernel");
    pcbArgPopup->operation = dbgCheckSysOprn;
    pcbArgPopup->fWantOprn = 1;
    pcbArgPopup->fWantArg = 0;  /* no call for name */
    pcbArgPopup->wgInitiator = wg;

    /* Pop up the choose one object */
    chooseOneMobExec(pco, wg);

}


void
dbgGetSysCB(wg, xpClientData, call_data)
    Widget          wg;
    XtPointer       xpClientData, call_data;
{
    chooseOne      *pco = (chooseOne *) xpClientData;

    strcpy(pcbArgPopup->msg, "chooseKern");
    pcbArgPopup->operation = getShaKernFrIdOprn;
    pcbArgPopup->fWantOprn = 1;
    pcbArgPopup->fWantArg = 0;  /* no call for name */
    pcbArgPopup->wgInitiator = wg;

    /* Pop up the choose one object */
    chooseOneMobExec(pco, wg);

}

void
dbgGetKernCB(wg, xpClientData, call_data)
    Widget          wg;
    XtPointer       xpClientData, call_data;
{
    getShaKernIdOprn(0);
}

void
dbgCheckSysOprn(iObjIndex)
    int             iObjIndex;
{
    shastraIds     *pSIds;
    shastraId      *pSId;
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2021

```
    int             kernFd;

    pSId = shastraKernIds.shastraIds_val[iObjIndex];
    kernFd = locateKernFronts(pSId);
    if (kernFd < 0) {
        fprintf(stderr, "dbgCheckSysOprn()->kernFd = %d\n", kernFd);
        return;
    }
    pSIds = getKernFrontSIds(pSId);

    if (rgsbShastraSys != NULL) {
        strListDestroy(rgsbShastraSys);
    }
    rgsbShastraSys = pSIds2StrTab(pSIds, PSIDSHOWALL);
    chooseOneChangeList(pcoShastraSys, rgsbShastraSys, coNoInitialHighlight
        );

    strcpy(pcbArgPopup->msg, "chooseSys");
    pcbArgPopup->operation = NULL;
    pcbArgPopup->fWantOprn = 0;
    pcbArgPopup->fWantArg = 0;  /* no call for name */

    /* Pop up the choose one object */
    chooseOneMobExec(pcoShastraSys, pcbArgPopup->wgInitiator);
}



void
dbgCheckSmFrCB(wg, xpClientData, call_data)
    Widget          wg;
    XtPointer       xpClientData, call_data;
{
    chooseOne      *pco = (chooseOne *) xpClientData;

    strcpy(pcbArgPopup->msg, "chooseSesMgr");
    pcbArgPopup->operation = dbgCheckSmFrOprn;
    pcbArgPopup->fWantOprn = 1;
    pcbArgPopup->fWantArg = 0;  /* no call for name */
    pcbArgPopup->wgInitiator = wg;

    /* Pop up the choose one object */
    chooseOneMobExec(pco, wg);

}


void
dbgGetSmFrCB(wg, xpClientData, call_data)
    Widget          wg;
    XtPointer       xpClientData, call_data;
{
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2022

```
    chooseOne      *pco = (chooseOne *) xpClientData;

    strcpy(pcbArgPopup->msg, "chooseSesm");
    pcbArgPopup->operation = getShaSesmFrIdOprn;
    pcbArgPopup->fWantOprn = 1;
    pcbArgPopup->fWantArg = 0;  /* no call for name */
    pcbArgPopup->wgInitiator = wg;

    /* Pop up the choose one object */
    chooseOneMobExec(pco, wg);

}

void
dbgGetSesmCB(wg, xpClientData, call_data)
    Widget          wg;
    XtPointer       xpClientData, call_data;
{
    getShaSesmIdOprn(0);
}

void
dbgCheckSmFrOprn(iObjIndex)
    int             iObjIndex;
{
    shastraIdTags  *pSIdTags;
    shastraIdTag   *pSIdTag;
    int             smIndex;

    pSIdTag = (shastraIdTag *) & shastraSesmIds.shastraIds_val[iObjIndex]->
        lSIDTag;
    smIndex = locateSesmFronts(pSIdTag);
    if (smIndex < 0) {
        fprintf(stderr, "dbgCheckSysOprn()->smIndex = %d\n", smIndex);
        return;
    }
    pSIdTags = getSesmFrontSIdTags(pSIdTag);

    if (rgsbShastraSys != NULL) {
        strListDestroy(rgsbShastraSys);
    }
    rgsbShastraSys = mapSIdTags2StrTab(pSIdTags, PSIDSHOWALL);
    chooseOneChangeList(pcoShastraSys, rgsbShastraSys, coNoInitialHighlight
        );

    strcpy(pcbArgPopup->msg, "chooseSys");
    strcpy(pcbArgPopup->prompt, "Enter Password:");
    pcbArgPopup->operation = endSystemOprn;
    pcbArgPopup->fWantOprn = 1;
    pcbArgPopup->fWantArg = 1;  /* call for name */

    /* Pop up the choose one object */
    chooseOneMobExec(pcoShastraSys, pcbArgPopup->wgInitiator);
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2023

```
}


/*
 * Function --
 */
void
outputTextToWidget(s, wg, pCurrentPosn)
    char           *s;
    Widget          wg;
    XmTextPosition *pCurrentPosn;
{
    XmTextBlock     textBlock;
    XmTextPosition  currentPosn;

    if (pCurrentPosn == 0) {
        currentPosn = XmTextGetInsertionPosition(wg);
        pCurrentPosn = &currentPosn;
    } else {
        XmTextSetInsertionPosition(wg, *pCurrentPosn);
    }
    XmTextReplace(wg, *pCurrentPosn, *pCurrentPosn, s);
    *pCurrentPosn += strlen(s);

#ifdef WANTTHIS
    /* Save output in buffer */
    if (strlen(saveBuffer) + strlen(s) + 1 <= MAXLEN) {
        strcat(saveBuffer, s);
    } else {
        printf("Save-buffer overflow.\n");
    }
#endif              /* WANTTHIS */
}
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2024

```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
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    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>

#include <shastra/draw/drawdata.h>
#include <shastra/draw/pict.h>
#include <shastra/network/mplex.h>
#include <shastra/network/server.h>
#include <shastra/solid/imageIO.h>

void            generateContoursFromPict(Prot5(pictData *, int, int, int,
    int));

mLineData      *
readLineImageFD(fd)
    int           fd;
{
    int             i, j;

    mLineData      *mLine;
    lineData       *line;
    char *sbIn;

    mLine = (mLineData *) malloc(sizeof(mLineData));

    sbIn = cmReceiveString(fd);
    sscanf(sbIn, "%d", &mLine->nLines);
    free(sbIn);

    mLine->lines = (lineData *) malloc(sizeof(lineData) *
                        mLine->nLines);
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2025

```
    for (i = 0; i < mLine->nLines; i++) {
        line = &mLine->lines[i];
        sbIn = cmReceiveString(fd);
        sscanf(sbIn, "%d", &line->number);
        free(sbIn);
        line->array = (double (*)[3]) malloc(sizeof(double) *
                              3 * line->number);

        for (j = 0; j < line->number; j++) {
            sbIn = cmReceiveString(fd);
            sscanf(sbIn, "%lf%lf%lf",
                   &line->array[j][0],
                   &line->array[j][1],
                   &line->array[j][2]);
            free(sbIn);
        }
    }
    return mLine;
}
mLineData      *
readLineImage(inStream)
    FILE           *inStream;
{
    int             i, j;

    mLineData      *mLine;
    lineData       *line;

    mLine = (mLineData *) malloc(sizeof(mLineData));
    fscanf(inStream, "%d", &mLine->nLines);
    mLine->lines = (lineData *) malloc(sizeof(lineData) *
                        mLine->nLines);
    for (i = 0; i < mLine->nLines; i++) {
        line = &mLine->lines[i];
        fscanf(inStream, "%d", &line->number);
        line->array = (double (*)[3]) malloc(sizeof(double) *
                              3 * line->number);

        for (j = 0; j < line->number; j++) {
            fscanf(inStream, "%lf%lf%lf",
                   &line->array[j][0],
                   &line->array[j][1],
                   &line->array[j][2]);
        }
    }
    return mLine;
}

void
writeLineImageFD(fd, mLine)
    int           fd;
    mLineData      *mLine;
{
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2026

```
    int             i, j;
    lineData       *line;
    char sbOut[256];

    sprintf(sbOut, "%d\n", mLine->nLines);
    cmSendString(fd,sbOut);
    for (i = 0; i < mLine->nLines; i++) {
        line = &mLine->lines[i];
        sprintf(sbOut, "%d\n", line->number);
        cmSendString(fd,sbOut);

        for (j = 0; j < line->number; j++) {
            sprintf(sbOut, "%lf %lf %lf\n",
                line->array[j][0],
                line->array[j][1],
                line->array[j][2]);
            cmSendString(fd,sbOut);
        }
    }
}
void
writeLineImage(outStream, mLine)
    FILE           *outStream;
    mLineData      *mLine;
{
    int             i, j;
    lineData       *line;

    fprintf(outStream, "%d\n", mLine->nLines);
    for (i = 0; i < mLine->nLines; i++) {
        line = &mLine->lines[i];
        fprintf(outStream, "%d\n", line->number);

        for (j = 0; j < line->number; j++) {
            fprintf(outStream, "%lf %lf %lf\n",
                line->array[j][0],
                line->array[j][1],
                line->array[j][2]);
        }
    }
}

void
freeLineImage(mLine)
    mLineData      *mLine;
{
    int             i, j;
    lineData       *line;

    for (i = 0; i < mLine->nLines; i++) {
        line = &mLine->lines[i];
        free(line->array);
    }
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2027

```
    free(mLine->lines);
    free(mLine);
}


mLineData      *
copyLineImage(inmLine)
    mLineData      *inmLine;
{
    int             i, j;

    mLineData      *mLine;
    lineData       *line;
    lineData       *inLine;

    mLine = (mLineData *) malloc(sizeof(mLineData));
    mLine->nLines = inmLine->nLines;
    mLine->lines = (lineData *) malloc(sizeof(lineData) *
                        mLine->nLines);
    for (i = 0; i < mLine->nLines; i++) {
        line = &mLine->lines[i];
        inLine = &inmLine->lines[i];
        line->number = inLine->number;
        line->array = (double (*)[3]) malloc(sizeof(double) *
                              3 * line->number);

        memcpy(line->array, inLine->array, sizeof(double) *
              3 * line->number);
    }
    return mLine;
}

int
sendPictContours(fd, pPict)
    int             fd;
    pictData       *pPict;
{
    mLineData       mLine;

    generateContoursFromPict(pPict, 1/*fBern*/, 1/*fCircEll*/,
        24/*iPieces*/, 0/*iForLamina*/);
    mLine.nLines = pPict->nPicts;
    mLine.lines = pPict->contours;
    writeLineImageFD(fd, &mLine);
    return 1;
}
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2028

```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
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    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/*
 * convert.c
 */

#include <stdio.h>

#include <poly/poly.h>
#include <poly/polymath.h>
#include <shastra/solid/datadefs.h>
#include <shastra/solid/edgetypes.h>
#include <shastra/solid/eqntypes.h>
#include <shastra/solid/macros.h>
#include <shastra/solid/readSolid.h>
#include <ipoly/iPolyH.h>
#include <ipoly/ipolyutil.h>

#define DEBUG 0
#define iabs(x) ((x) < 0 ? -(x) : (x))

extern char *stdVars[3];



Solid_Ptr
convertIPolyToSolid(pIPoly)
     iPoly *pIPoly;
{
  Stack_Union solObject;
  int i,j;
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2029

```
  int nDEs = 0;
  Solid_Ptr pSolid = createSolid();
  Vertex_Ptr pVertex;
  Edge_Ptr pEdge;
  Face_Ptr pFace;
  Cycle_Ptr pCycle;
  DEdge_Ptr pDEdge;

  strcpy(pSolid->name, "iPolySolid");
  if (DEBUG) {
    fprintf(stdout, "######solid#######\n\n");
    fprintf(stdout, "SOLID %s\n", pSolid->name);
    fprintf(stdout, "%d %d %d\t#vertices, edges, faces\n",
        IPolyNVerts(pIPoly), IPolyNEdges(pIPoly), IPolyNFaces(pIPoly));
  }
  for (i = 0; i < IPolyNVerts(pIPoly); i++) {
    pVertex = createVertex();
    solObject.vertex = pVertex;
    AddObjToSolid(&solObject, VERTEX, pSolid);
  }
  for (i = 0; i < IPolyNEdges(pIPoly); i++) {
    pEdge = createEdge();
    solObject.edge = pEdge;
    AddObjToSolid(&solObject, EDGE, pSolid);
  }
/*CHECK -- assuming #faces == #cycles.. true except for grouped objects..*/
  for (i = 0; i < IPolyNFaces(pIPoly); i++) {
    pFace = createFace();
    solObject.face = pFace;
    AddObjToSolid(&solObject, FACE, pSolid);
    pCycle = createCycle();
    solObject.cycle = pCycle;
    AddObjToSolid(&solObject, CYCLE, pSolid);
  }

/*  if((IPolyNVertFaceAdjs(pIPoly) == 0) || (IPolyNVertEdgeAdjs(pIPoly) ==
    0)){
    genIPolyAdjInfo(pIPoly);
  }*/

  if (DEBUG) {
    fprintf(stdout, "######vertices#######\n\n");
  }
  for (i = 0; i < IPolyNVerts(pIPoly); i++) {
    Vertex_Ptr pVertex = Solid_Vertex(pSolid, i);
    double *point;
    int iV = i+1;

    point = IPolyVert(pIPoly, i);
    sprintf(pVertex->name, "v%d", iV);
    pVertex->point[0] = point[0];
    pVertex->point[1] = point[1];
    pVertex->point[2] = point[2];
```


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```
    if (DEBUG) {
      fprintf(stdout, "%lf %lf %lf\t#point for v%d\n",
          point[0], point[1], point[2], iV);
    }

    if((IPolyNVertFaceAdjs(pIPoly) > 0) &&
       (IPolyNVertEdgeAdjs(pIPoly) > 0)){
/*have vert face and edge adjs, use to compute adj info*/
      for (j = 0; j < IPolyVertNFaceAdjs(pIPoly, i); j++) {
    IPolyVertFaceAdj(pIPoly, i, j);
      }
      for (j = 0; j < IPolyVertNEdgeAdjs(pIPoly, i); j++) {
    IPolyVertEdgeAdj(pIPoly, i, j);
      }
    }
/*    fDoneVertAdjs; */
  }

  if (DEBUG) {
    fprintf(stdout, "######edges#######\n");
  }
  for (i = 0; i < IPolyNEdges(pIPoly); i++) {
    Edge_Ptr pEdge = Solid_Edge(pSolid, i);
    Vertex_Ptr v1, v2;
    int iE = i+1;
    int iV1, iV2;

    sprintf(pEdge->name, "e%d", iE);
    iV1 = IPolyEdgeV1(pIPoly, i) +1;
    iV2 = IPolyEdgeV2(pIPoly, i) +1;
    fillIndex(&pEdge->vertex1,0,VERTEX,iV1);
    fillIndex(&pEdge->vertex2,0,VERTEX,iV2);
    if (DEBUG) {
      fprintf(stdout, "%s\t#name for e%d\n", pEdge->name, iE);
      fprintf(stdout, "V %d\t#vert1 for e%d\n", iV1, iE);
      fprintf(stdout, "V %d\t#vert2 for e%d\n", iV2, iE);
    }
    pEdge->type = LINEAR;
    v1 = Solid_Vertex(pSolid, iV1 - 1);
    v2 = Solid_Vertex(pSolid, iV2 - 1);
    pEdge->tan12[0] = v2->point[0] - v1->point[0];
    pEdge->tan12[1] = v2->point[1] - v1->point[1];
    pEdge->tan12[2] = v2->point[2] - v1->point[2];
    normalizeDblVector(pEdge->tan12);
    pEdge->tan21[0] = -pEdge->tan12[0];
    pEdge->tan21[1] = -pEdge->tan12[1];
    pEdge->tan21[2] = -pEdge->tan12[2];
    if (DEBUG) {
      fprintf(stdout, "%lf %lf %lf\t#tan12 for e%d\n",
          pEdge->tan12[0], pEdge->tan12[1], pEdge->tan12[2], iE);
      fprintf(stdout, "%lf %lf %lf\t#tan21 for e%d\n",
          pEdge->tan21[0], pEdge->tan21[1], pEdge->tan21[2], iE);
    }
```


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```
    if(IPolyNEdgeFaceAdjs(pIPoly) > 0){
/*have edge face adjs, use to get dedge info*/
      for (j = 0; j < IPolyEdgeNFaceAdjs(pIPoly, i); j++) {
    IPolyEdgeFaceAdj(pIPoly, i, j);
      }
    }
/* fDoneEdgeDEs = 1*/
  }

  if (DEBUG) {
    fprintf(stdout, "######faces#######\n");
  }
  for (i = 0; i < IPolyNFaces(pIPoly); i++) {
    CycleList_Ptr pCycPtr;
    DEList_Ptr pDEPtr;
    AdjList_Ptr pAdjPtr;
    int iF = i+1;
    int iD, iND, iPD, iV;
    Poly PlaneEqnFrom3Pts();

    pFace = Solid_Face(pSolid, i);
    sprintf(pFace->name, "f%d", iF);
    pFace->type = IMPLICIT;
    if (DEBUG) {
      fprintf(stdout, "%s\t#name for f%d\n", pFace->name, iF);
    }
    if(IPolyNFaceVerts(pIPoly, i) >= 3){
      pFace->equation =
    PlaneEqnFrom3Pts(IPolyVert(pIPoly, IPolyFaceVert(pIPoly, i, 0)),
             IPolyVert(pIPoly, IPolyFaceVert(pIPoly, i, 1)),
             IPolyVert(pIPoly, IPolyFaceVert(pIPoly, i, 2)));
    }
    else{
      pFace->equation = Parse("x + y + z");
    }
    ConformPolyToVars(3, stdVars, pFace->equation);

    pFace->normal = createEqnItem();
    pFace->normal->eQN = DiffPoly(pFace->equation, 0);
    ConformPolyToVars(3, stdVars, pFace->normal->eQN);
    pFace->normal->next = createEqnItem();
    pFace->normal->next->eQN = DiffPoly(pFace->equation, 1);
    ConformPolyToVars(3, stdVars, pFace->normal->next->eQN);
    pFace->normal->next->next = createEqnItem();
    pFace->normal->next->next->eQN = DiffPoly(pFace->equation, 2);
    ConformPolyToVars(3, stdVars, pFace->normal->next->next->eQN);
    if (DEBUG) {
      fprintf(stdout, "%s\t#Equation for f%d\n",
          UnParse(pFace->equation), iF);
      fprintf(stdout, "%s\t#X normal component for f%d\n",
          UnParse(pFace->normal->eQN), iF);
      fprintf(stdout, "%s\t#Y normal component for f%d\n",
          UnParse(pFace->normal->next->eQN), iF);
```


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```
      fprintf(stdout, "%s\t#Z normal component for f%d\n",
          UnParse(pFace->normal->next->next->eQN), iF);
    }
    if (DEBUG) {
      fprintf(stdout, "1\t#number of cycles for f%d\n", iF);
    }
    pCycPtr = createCycleItem();
    pCycPtr->next = pFace->cycles;
    pFace->cycles = pCycPtr;
    if (DEBUG) {
      fprintf(stdout, "C %d\t#cycle for f%d\n", iF, iF);
    }
    fillIndex(&pCycPtr->cycle,0,CYCLE,iF);

    pCycle = Solid_Cycle(pSolid, i);
    if (DEBUG) {
      fprintf(stdout, "F %d\t#face for c%d\n", iF, iF);
    }
    fillIndex(&pCycle->face,0,FACE,iF);

    if((IPolyNEdgeFaces(pIPoly) > 0) &&
       (IPolyNEdgeFaces(pIPoly) == IPolyNVertFaces(pIPoly))){
/*have faces by edge and vertex, use to compute dedges, adj info*/
      for (j = 0; j < IPolyNFaceEdges(pIPoly, i); j++) {
    pDEdge = createDEdge();
    solObject.dEdge = pDEdge;
    AddObjToSolid(&solObject, DEDGE, pSolid);
    nDEs ++;

    iD = IPolyFaceEdge(pIPoly, i, j);
    iND = (j==IPolyNFaceEdges(pIPoly, i)-1)?
      nDEs-IPolyNFaceEdges(pIPoly, i)+1: nDEs+1;
    iPD = (j==0)?
      nDEs+IPolyNFaceEdges(pIPoly, i)-1: nDEs-1;
    pEdge = Solid_Edge(pSolid, iabs(iD)-1);

    pDEPtr = createDEdgeItem();
    pDEPtr->next = pEdge->dEdges;
    pEdge->dEdges = pDEPtr;
    if (DEBUG) {
      fprintf(stdout, "D %d\t#dedge for e%d\n", nDEs, iabs(iD));
    }
    fillIndex(&pDEPtr->dEdge,0,DEDGE, nDEs);

    if (DEBUG) {
      fprintf(stdout, "E %d\t#edge for de%d\n", iabs(iD), nDEs);
      fprintf(stdout, "C %d\t#cycle for de%d\n", iF, nDEs);
      fprintf(stdout, "RO %d\t#orientn for de%d\n", iD>0?1:0, nDEs);
      fprintf(stdout, "D %d\t#nextde for de%d\n", iND, nDEs);
    }
    pDEdge->rightOrientation = (iD>0)?1:0;
    fillIndex(&pDEdge->edge,0,EDGE,iabs(iD));
    fillIndex(&pDEdge->cycle,0,FACE,iF);
```


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```
      fillIndex(&pDEdge->nextDE,0,DEDGE,iND);
      if(j==0){
        if (DEBUG) {
          fprintf(stdout, "D %d\t#dedge for c%d\n", nDEs, iF);
        }
        fillIndex(&pCycle->dEdge,0,DEDGE,nDEs);
      }

      iV = IPolyFaceVert(pIPoly, i, j)+1;/*indexed from 0*/
      pVertex = Solid_Vertex(pSolid, iV-1);
      pAdjPtr = createAdjItem();
      pAdjPtr->next = pVertex->adjacencies;
      pVertex->adjacencies = pAdjPtr;
      fillIndex(&pAdjPtr->face, 0, FACE, iF);
      fillIndex(&pAdjPtr->dEIn, 0, DEDGE, iPD);
      fillIndex(&pAdjPtr->dEOut, 0, DEDGE, nDEs);
      if (DEBUG) {
        fprintf(stdout, "F %d\t#face adj for v%d\n", iF, iV);
        fprintf(stdout, "D %d\t#dedge in for v%d\n",
            pAdjPtr->dEIn.index, iV);
        fprintf(stdout, "D %d\t#dedge out for v%d\n",
            pAdjPtr->dEOut.index, iV);
      }
        }
      }
      else{
        fprintf(stderr,"convertIPolyToSolid()->inconsistency in iPoly!\n");
      }
    }
  /*
    if(!fDoneVertAdjs){
      setAllVertexAdjacencies(pSolid);
    }
  */

    return pSolid;
  }
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/*****************************************************************************/
/*
 * copySolid.c - input functions for solid at the network interface
 *
 * copyString()
 *
 * copyIndex() copyAdjItem() copyEqnItem()
 *
 * copyVertex() copyDEdge() copyEdge() copyCycle() copyFace() copySolid()
 *
 */
/*****************************************************************************/

#include <stdio.h>
#include <ctype.h>

#include <shastra/shilp.h>
#include <shastra/solid/datadefs.h>
#include <shastra/solid/macros.h>
#include <shastra/solid/bern.h>

#include <poly/poly.h>
#include <poly/polymath.h>
#include <shastra/solid/readSolid.h>
#include <shastra/solid/copySolid.h>

/*
 * copyIndex(inIndex, iptr) - copy an index
 *
```


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```
 */
void
copyIndex(inIndex, iptr)
    Index_Ptr       inIndex, iptr;
{
    memcpy(iptr, inIndex, sizeof(Index_Struct));
}

/*****************************************************************/
/*
 * copyAdjItem( inAdjItem,aptr ) - copy an adjacency into item pointer
 *
 */
/*****************************************************************/
void
copyAdjItem(inAdjItem, aptr)
    AdjList_Ptr     inAdjItem, aptr;
{
    copyIndex(&inAdjItem->face, &aptr->face);
    copyIndex(&inAdjItem->dEIn, &aptr->dEIn);
    copyIndex(&inAdjItem->dEOut, &aptr->dEOut);
}

/*****************************************************************/
/*
 * copyEqnItem(inEqnItem ) - copy an equation item, create it and return it
 */
/*****************************************************************/
EQNList_Ptr
copyEqnItem(inEqnItem)
    EQNList_Ptr     inEqnItem;
{
    EQNList_Ptr     New_Eqn = createEqnItem();

    New_Eqn->eQN = CopyPoly(inEqnItem->eQN);

    return (New_Eqn);
}

/*****************************************************************/
/*
 * reverseBernPar( inEqn) - reverse bernstein-parametric eqn
 *
 */
/*****************************************************************/
void
reverseBernPar(inEqn)
    BernPar_Ptr     inEqn;
{
    int             i;
    int             n, n2;
    double          tmpBuf[3];
    if ((inEqn == NULL) || (inEqn->degree == 0)) {
```


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```
        return;
    }
    n = (1 + inEqn->degree);
    n2 = n / 2;
    for (i = 0; i < n2; i++) {
        memcpy(tmpBuf, inEqn->coeffs[i], 3 * sizeof(double));
        memcpy(inEqn->coeffs[i], inEqn->coeffs[n - i], 3 * sizeof(double));
        memcpy(inEqn->coeffs[n - i], tmpBuf, 3 * sizeof(double));
    }
    return;
}
/******************************************************************************/
/*
 * copyBernPar( inEqn) - copy bernstein-parametric eqn, return pointer
 *
 */
/******************************************************************************/
BernPar_Ptr
copyBernPar(inEqn)
    BernPar_Ptr     inEqn;
{
    int             i;
    BernPar_Ptr     eqn;
    if (inEqn == NULL) {
        return NULL;
    }
    eqn = (BernPar_Ptr) malloc(sizeof(BernPar));
    eqn->degree = inEqn->degree;
    if (eqn->degree > 0) {
        eqn->coeffs = (double (*)[3])
            createMem(3 * (1 + eqn->degree) * sizeof(double));
        memcpy(eqn->coeffs,inEqn->coeffs,
              3 * (1 + eqn->degree) * sizeof(double));
    }
    return eqn;
}
/******************************************************************************/
/*
 * reverseBernParQuad( inEqn) - reverse bernstein-parametric quad eqn
 *
 */
/******************************************************************************/
void
reverseBernParQuad(inEqn)
    BernParQuad_Ptr inEqn;
{
    int             i;
    int             n, n2;
    double          tmpBuf[3];
    if ((inEqn == NULL) || (inEqn->degree == 0)) {
        return;
    }
    n = (1 + inEqn->degree);
```


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```
    n2 = n / 2;
    for (i = 0; i < n2; i++) {
        memcpy(tmpBuf, inEqn->coeff1[i], 3 * sizeof(double));
        memcpy(inEqn->coeff1[i], inEqn->coeff1[n - i], 3 * sizeof(double));
        memcpy(inEqn->coeff1[n - i], tmpBuf, 3 * sizeof(double));
    }
    for (i = 0; i < n2; i++) {
        memcpy(tmpBuf, inEqn->coeff2[i], 3 * sizeof(double));
        memcpy(inEqn->coeff2[i], inEqn->coeff2[n - i], 3 * sizeof(double));
        memcpy(inEqn->coeff2[n - i], tmpBuf, 3 * sizeof(double));
    }
    return;
}
/*****************************************************************************/
/*
 * copyBernParQuad( inEqn) - copy bernstein-parametric eqn, return pointer
 *
 */
/*****************************************************************************/
BernParQuad_Ptr
copyBernParQuad(inEqn)
    BernParQuad_Ptr inEqn;
{
    int             i;
    BernParQuad_Ptr eqn;
    if (inEqn == NULL) {
        return NULL;
    }
    eqn = (BernParQuad_Ptr) malloc(sizeof(BernParQuad));
    eqn->degree = inEqn->degree;
    if (eqn->degree > 0) {
        eqn->coeff1 = (double (*)[3])
            createMem(3 * (1 + eqn->degree) * sizeof(double));
        eqn->coeff2 = (double (*)[3])
            createMem(3 * (1 + eqn->degree) * sizeof(double));
        memcpy(eqn->coeff1,inEqn->coeff1,
              3 * (1 + eqn->degree) * sizeof(double));
        memcpy(eqn->coeff2,inEqn->coeff2,
              3 * (1 + eqn->degree) * sizeof(double));
    }
    return eqn;
}
/*****************************************************************************/
/*
 * reverseBernTensor( inEqn) - reverse bernstein-parametric quad eqn
 *
 */
/*****************************************************************************/
void
reverseBernTensor(inEqn)
    BernTensor_Ptr  inEqn;
{
    int             i;
```


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```
    int             n, n2;
    double          tmpBuf[3];
    if ((inEqn == NULL) || (inEqn->degree == 0)) {
        return;
    }
    n = (1 + inEqn->degree);
    n2 = n / 2;
    for (i = 0; i < n2; i++) {
        memcpy(tmpBuf, inEqn->coeff1[i], 3 * sizeof(double));
        memcpy(inEqn->coeff1[i], inEqn->coeff1[n - i], 3 * sizeof(double));
        memcpy(inEqn->coeff1[n - i], tmpBuf, 3 * sizeof(double));
    }
    for (i = 0; i < n2; i++) {
        memcpy(tmpBuf, inEqn->coeff2[i], 3 * sizeof(double));
        memcpy(inEqn->coeff2[i], inEqn->coeff2[n - i], 3 * sizeof(double));
        memcpy(inEqn->coeff2[n - i], tmpBuf, 3 * sizeof(double));
    }
    return;
}
/*****************************************************************************/
/*
 * copyBernTensor( inEqn) - copy bernstein-parametric eqn, return pointer
 *
 */
/*****************************************************************************/
BernTensor_Ptr
copyBernTensor(inEqn)
    BernTensor_Ptr  inEqn;
{
    int             i;
    BernTensor_Ptr  eqn;
    if (inEqn == NULL) {
        return NULL;
    }
    eqn = (BernTensor_Ptr) malloc(sizeof(BernTensor));
    eqn->degree = inEqn->degree;
    if (eqn->degree > 0) {
        eqn->coeff1 = (double (*)[3])
            createMem(3 * (1 + eqn->degree) * sizeof(double));
        eqn->coeff2 = (double (*)[3])
            createMem(3 * (1 + eqn->degree) * sizeof(double));
        memcpy(eqn->coeff1,inEqn->coeff1,
              3 * (1 + eqn->degree) * sizeof(double));
        memcpy(eqn->coeff2,inEqn->coeff2,
              3 * (1 + eqn->degree) * sizeof(double));
        memcpy(eqn->tangent,inEqn->tangent,
              3 * sizeof(double));
    }
    return eqn;
}

/*****************************************************************************/
/*
```


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```
 * copyVertex(inVertex) - copy in and create a single vertex return a
     pointer
 * to the vertex
 */
/*****************************************************************/
Vertex_Ptr
copyVertex(inVertex)
    Vertex_Ptr      inVertex;
{
    Vertex_Ptr      New_Vertex = createVertex();
    AdjList_Ptr     last_adj, src_adj;
    int             i, num_adj;
    double          a, b, c;

    /* copy in the point value */
    memcpy(New_Vertex->point, inVertex->point, sizeof(double) * 3);

    /* copy adjacencies */
    for (src_adj = inVertex->adjacencies, i = 0; src_adj != NULL;
         src_adj = src_adj->next, i++) {
        if (i == 0) {
            last_adj = New_Vertex->adjacencies = createAdjItem();
            copyAdjItem(src_adj, last_adj);
        } else {
            last_adj->next = createAdjItem();
            copyAdjItem(src_adj, last_adj->next);
            last_adj = last_adj->next;
        }
    }
    return (New_Vertex);
}

/*****************************************************************/
/*
 * copyDEdge(inDEdge) - copy in and create a new directed edge
 *
 */
/*****************************************************************/
DEdge_Ptr
copyDEdge(inDEdge)
    DEdge_Ptr       inDEdge;
{
    DEdge_Ptr       New_DEdge = createDEdge();

    copyIndex(&inDEdge->cycle, &New_DEdge->cycle);
    New_DEdge->rightOrientation = inDEdge->rightOrientation;
    copyIndex(&inDEdge->edge, &New_DEdge->edge);
    copyIndex(&inDEdge->nextDE, &New_DEdge->nextDE);
    return (New_DEdge);
}

/*****************************************************************/
/*
```


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```
 * copyEdge(inEdge) - copy in and create an edge return a pointer to the
     edge
 *
 */
/*****************************************************************/
Edge_Ptr
copyEdge(inEdge)
    Edge_Ptr        inEdge;
{
    Edge_Ptr        New_Edge = createEdge();
    DEList_Ptr      last_de, src_de;
    int             i;

    /* copy edge name */
    strcpy(New_Edge->name, inEdge->name);

    /* copy vertex1 & vertex2 indices */
    copyIndex(&inEdge->vertex1, &New_Edge->vertex1);
    copyIndex(&inEdge->vertex2, &New_Edge->vertex2);

    /* copy edge type */
    New_Edge->type = inEdge->type;

    /* copy tangents */
    memcpy(New_Edge->tan12, inEdge->tan12, sizeof(double) * 3);
    memcpy(New_Edge->tan21, inEdge->tan21, sizeof(double) * 3);

    /* copy directed edges */
    for (src_de = inEdge->dEdges, i = 0; src_de != NULL;
         src_de = src_de->next, i++) {
        if (i == 0) {
            last_de = New_Edge->dEdges = createDEdgeItem();
            copyIndex(&src_de->dEdge, &last_de->dEdge);
        } else {
            last_de->next = createDEdgeItem();
            copyIndex(&src_de->dEdge, &last_de->next->dEdge);
            last_de = last_de->next;
        }
    }

    /* copy aux eqn */
    New_Edge->aux_Eqn = CopyPoly(inEdge->aux_Eqn);

    /* see if there is a bernstein eqn */
    New_Edge->eqn = copyBernPar(inEdge->eqn);
    return (New_Edge);
}

/*****************************************************************/
/*
 * copyCycle(inCycle) - copy in, create and return a cycle
 *
 */
```


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```
/*****************************************************************************/
Cycle_Ptr
copyCycle(inCycle)
    Cycle_Ptr       inCycle;
{
    Cycle_Ptr       New_Cycle = createCycle();

    copyIndex(&inCycle->face, &New_Cycle->face);
    copyIndex(&inCycle->dEdge, &New_Cycle->dEdge);

    return (New_Cycle);
}

/*****************************************************************************/
/*
 * copyFace(inFace) - copy in and create a face return a pointer to the new
 * face
 *
 */
/*****************************************************************************/
Face_Ptr
copyFace(inFace)
    Face_Ptr        inFace;
{
    Face_Ptr        New_Face = createFace();
    EQNList_Ptr     last_eqn, next_eqn;
    CycleList_Ptr   last_cycle, src_cycle;
    int             i;

    /* copy name */
    strcpy(New_Face->name, inFace->name);

    /* copy type */
    New_Face->type = inFace->type;

    /* copy equation */
    New_Face->equation = CopyPoly(inFace->equation);
    New_Face->bernQuad = copyBernParQuad(inFace->bernQuad);
    New_Face->bernTens = copyBernTensor(inFace->bernTens);

    /* copy the (three) normal equations */
    New_Face->normal = copyEqnItem(inFace->normal);
    New_Face->normal->next = copyEqnItem(inFace->normal->next);
    New_Face->normal->next->next = copyEqnItem(inFace->normal->next->next);

    /* copy in the cycles */
    for (src_cycle = inFace->cycles, i = 0; src_cycle != NULL;
         src_cycle = src_cycle->next, i++) {
        if (i == 0) {
            last_cycle = New_Face->cycles = createCycleItem();
            copyIndex(&src_cycle->cycle, &last_cycle->cycle);
        } else {
            last_cycle->next = createCycleItem();
```


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```
            copyIndex(&src_cycle->cycle, &last_cycle->next->cycle);
            last_cycle = last_cycle->next;
        }
    }

    return (New_Face);
}

/*****************************************************************************/
/*
 * copySolid(inSolid) - copy a solid from another. return a pointer to the
 * new solid
 *
 */
/*****************************************************************************/
Solid_Ptr
copySolid(inSolid)
    Solid_Ptr       inSolid;
{
    /* WARNING-- if marked field is -1, piece won't be copied */
    Solid_Ptr       New_Solid = createSolid();
    int             i;
    Stack_Union     object;

    strcpy(New_Solid->name, inSolid->name);

    /* copy all the solid subcomponents */
    printf("copying vertices\n");
    for (i = 0; i < inSolid->vertices->index; i++) {
        object.vertex = copyVertex(Solid_Vertex(inSolid, i));
        AddObjToSolid(&object, VERTEX, New_Solid);
    }

    printf("copying edges\n");
    for (i = 0; i < inSolid->edges->index; i++) {
        object.edge = copyEdge(Solid_Edge(inSolid, i));
        AddObjToSolid(&object, EDGE, New_Solid);
    }

    printf("copying faces\n");
    for (i = 0; i < inSolid->faces->index; i++) {
        object.face = copyFace(Solid_Face(inSolid, i));
        AddObjToSolid(&object, FACE, New_Solid);
    }

    printf("copying dedges\n");
    for (i = 0; i < inSolid->dEdges->index; i++) {
        object.dEdge = copyDEdge(Solid_DEdge(inSolid, i));
        AddObjToSolid(&object, DEDGE, New_Solid);
    }

    printf("copying cycles\n");
    for (i = 0; i < inSolid->cycles->index; i++) {
```


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```
        object.cycle = copyCycle(Solid_Cycle(inSolid, i));
        AddObjToSolid(&object, CYCLE, New_Solid);
    }

    return (New_Solid);
}

/*****************************************************************************/
/*
 * copyMarkedSolid(inSolid) - copy a marked solid from another. return a
 * pointer to the new solid, marked fields not copied
 *
 */
/*****************************************************************************/
Solid_Ptr
copyMarkedSolid(inSolid)
    Solid_Ptr       inSolid;
{
    Solid_Ptr       New_Solid = createSolid();
    int             i;
    Stack_Union     object;
    int             nfv, nfe, nff, nfc, nfd;

    strcpy(New_Solid->name, inSolid->name);

    nfv = inSolid->vertices->index;
    nfe = inSolid->edges->index;
    nff = inSolid->faces->index;
    nfc = inSolid->cycles->index;
    nfd = inSolid->dEdges->index;

    printf("copying unmarked vertices\n");
    for (i = 0; i < nfv; i++) {
        AdjList_Ptr     adjs;
        Vertex_Ptr      V, fV;
        Face_Ptr        fF;
        DEdge_Ptr       fD;
        int             iV;

        fV = Solid_Vertex(inSolid, i);
        if (fV->marked == -1) {
            continue;
        }
        V = object.vertex = copyVertex(fV);
        AddObjToSolid(&object, VERTEX, New_Solid);

        for (adjs = V->adjacencies; adjs != NULL; adjs = adjs->next) {
            fF = Solid_Face(inSolid, adjs->face.index - 1);
            if (fF->marked == -1) {
                fprintf(stderr, "copyMarkedSolid()->Warning: bad face %d on
                    adjs!\n",
                    adjs->face.index - 1);
            } else {
```


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```
            adjs->face.index -= fF->marked;
        }

        fD = Solid_DEdge(inSolid, adjs->dEIn.index - 1);
        if (fD->marked == -1) {
            fprintf(stderr, "copyMarkedSolid()->Warning: bad deIn %d in
                adjs!\n",
                adjs->dEIn.index - 1);
        } else {
            adjs->dEIn.index -= fD->marked;
        }

        fD = Solid_DEdge(inSolid, adjs->dEOut.index - 1);
        if (fD->marked == -1) {
            fprintf(stderr, "copyMarkedSolid()->Warning: bad deOut %d
                in adjs!\n",
                adjs->dEOut.index - 1);
        } else {
            adjs->dEOut.index -= fD->marked;
        }
    }
}

printf("copying unmarked edges\n");
for (i = 0; i < nfe; i++) {
    Edge_Ptr        E, fE;
    Vertex_Ptr      fV;
    DEList_Ptr      des;
    int             iE;

    fE = Solid_Edge(inSolid, i);
    if (fE->marked == -1) {
        continue;
    }
    E = object.edge = copyEdge(fE);
    AddObjToSolid(&object, EDGE, New_Solid);

    fV = Solid_Vertex(inSolid, E->vertex1.index - 1);
    if (fV->marked == -1) {
        fprintf(stderr, "copyMarkedSolid()->Warning: bad vert %d on
            edge!\n",
            E->vertex1.index - 1);
    } else {
        E->vertex1.index -= fV->marked;
    }

    fV = Solid_Vertex(inSolid, E->vertex2.index - 1);
    if (fV->marked == -1) {
        fprintf(stderr, "copyMarkedSolid()->Warning: bad vert %d on
            edge!\n",
            E->vertex2.index - 1);
    } else {
        E->vertex2.index -= fV->marked;
```


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```
        }

        for (des = E->dEdges; des != NULL; des = des->next) {
            DEdge_Ptr       fD;
            fD = Solid_DEdge(inSolid, des->dEdge.index - 1);
            if (fD->marked == -1) {
                fprintf(stderr, "copyMarkedSolid()->Warning: bad dedge %d
                    on edge!\n",
                    des->dEdge.index - 1);
            } else {
                des->dEdge.index -= fD->marked;
            }
        }
    }

    printf("copying unmarked faces\n");
    for (i = 0; i < nff; i++) {
        Face_Ptr        F, fF;
        CycleList_Ptr   cycs;

        fF = Solid_Face(inSolid, i);
        if (fF->marked == -1) {
            continue;
        }
        F = object.face = copyFace(fF);
        AddObjToSolid(&object, FACE, New_Solid);

        for (cycs = F->cycles; cycs != NULL; cycs = cycs->next) {
            Cycle_Ptr       fC;

            fC = Solid_Cycle(inSolid, cycs->cycle.index - 1);
            if (fC->marked == -1) {
                fprintf(stderr, "copyMarkedSolid()->Warning: bad cyc %d on
                    face!\n",
                    cycs->cycle.index - 1);
            } else {
                cycs->cycle.index -= fC->marked;
            }
        }
    }

    printf("copying unmarked dedges\n");
    for (i = 0; i < nfd; i++) {
        DEdge_Ptr       D, fD;
        Cycle_Ptr       fC;
        Edge_Ptr        fE;
        DEdge_Ptr       fDn;

        fD = Solid_DEdge(inSolid, i);
        if (fD->marked == -1) {
            continue;
        }
        D = object.dEdge = copyDEdge(fD);
```


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```
    AddObjToSolid(&object, DEDGE, New_Solid);

    fC = Solid_Cycle(inSolid, D->cycle.index - 1);
    if (fC->marked == -1) {
        fprintf(stderr, "copyMarkedSolid()->Warning: bad cycle %d on
            dedge!\n",
            D->cycle.index - 1);
    } else {
        D->cycle.index -= fC->marked;
    }

    fE = Solid_Edge(inSolid, D->edge.index - 1);
    if (fE->marked == -1) {
        fprintf(stderr, "copyMarkedSolid()->Warning: bad edge %d of
            dedge!\n",
            D->edge.index - 1);
    } else {
        D->edge.index -= fE->marked;
    }

    fD = Solid_DEdge(inSolid, D->nextDE.index - 1);
    if (fD->marked == -1) {
        fprintf(stderr, "copyMarkedSolid()->Warning: bad nextDE %d in
            dedge!\n",
            D->nextDE.index - 1);
    } else {
        D->nextDE.index -= fD->marked;
    }
}

printf("copying unmarked cycles\n");
for (i = 0; i < nfc; i++) {
    Cycle_Ptr       C, fC;
    Face_Ptr        fF;
    DEdge_Ptr       fD;

    fC = Solid_Cycle(inSolid, i);
    if (fC->marked == -1) {
        continue;
    }
    C = object.cycle = copyCycle(fC);
    AddObjToSolid(&object, CYCLE, New_Solid);

    fF = Solid_Face(inSolid, C->face.index - 1);
    if (fF->marked == -1) {
        fprintf(stderr, "copyMarkedSolid()->Warning: bad face %d on
            cycle!\n",
            C->face.index - 1);
    } else {
        C->face.index -= fF->marked;
    }

    fD = Solid_DEdge(inSolid, C->dEdge.index - 1);
```


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```
            if (fD->marked == -1) {
                fprintf(stderr, "copyMarkedSolid()->Warning: bad de %d in cycle
                    !\n",
                    C->dEdge.index - 1);
            } else {
                C->dEdge.index -= fD->marked;
            }
        }
        return New_Solid;
    }
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>
#include <math.h>
#include <ctype.h>

#include <shastra/network/server.h>
#include <shastra/network/mplex.h>

#include <shastra/draw/image.h>
#include <shastra/draw/drawdata.h>
#include <shastra/solid/imageIO.h>


static int      fUseNormals = 0;
static int      fCWPolys = 1;

void            normalizeNormal(Prot1(float *));

mPolygonData   *
readPolyImageFD(fd)
     int             fd;
{
  int             i, j;

  mPolygonData   *mPoly;
  polygonData    *poly;
  char           *sbIn;

  sbIn = cmReceiveString(fd);             /*WPZ*/
  if( sbIn[0] == '\0') return NULL;       /*WPZ*/
```


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```
  mPoly = (mPolygonData *) malloc(sizeof(mPolygonData));

  sscanf(sbIn, "%d", &mPoly->nPolygons);
  free(sbIn);
  mPoly->polygons = (polygonData *) malloc(sizeof(polygonData) *
                       mPoly->nPolygons);
  memset(mPoly->polygons,0, sizeof(polygonData) *mPoly->nPolygons);
  for (i = 0; i < mPoly->nPolygons; i++) {
    poly = &mPoly->polygons[i];
    sbIn = cmReceiveString(fd);
    sscanf(sbIn, "%d", &poly->nPoints);
    free(sbIn);
    poly->array = (double (*)[3]) malloc(sizeof(double) *
                     3 * poly->nPoints);
    poly->normals = (float (*)[3]) malloc(sizeof(float) *
                      3 * poly->nPoints);

    for (j = 0; j < poly->nPoints; j++) {
      sbIn = cmReceiveString(fd);
      if (fUseNormals) {
    sscanf(sbIn, "%lf%lf%lf%f%f%f",
           &poly->array[j][0],
           &poly->array[j][1],
           &poly->array[j][2],
           &poly->normals[j][0],
           &poly->normals[j][1],
           &poly->normals[j][2]);
      } else {
    sscanf(sbIn, "%lf%lf%lf",
           &poly->array[j][0],
           &poly->array[j][1],
           &poly->array[j][2]);
      }
      free(sbIn);
    }
  }
  if (!fUseNormals) {
    computeImageNormals(mPoly);
  }
  return mPoly;
}
mPolygonData   *
readPolyImage(inStream)
     FILE           *inStream;
{
  int             i, j;

  mPolygonData   *mPoly;
  polygonData    *poly;

  mPoly = (mPolygonData *) malloc(sizeof(mPolygonData));
  fscanf(inStream, "%d", &mPoly->nPolygons);
```


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```
  mPoly->polygons = (polygonData *) malloc(sizeof(polygonData) *
                        mPoly->nPolygons);
  memset(mPoly->polygons,0,sizeof(polygonData) *mPoly->nPolygons);
  for (i = 0; i < mPoly->nPolygons; i++) {
    poly = &mPoly->polygons[i];
    fscanf(inStream, "%d", &poly->nPoints);
    poly->array = (double (*)[3]) malloc(sizeof(double) *
                      3 * poly->nPoints);
    poly->normals = (float (*)[3]) malloc(sizeof(float) *
                       3 * poly->nPoints);

    for (j = 0; j < poly->nPoints; j++) {
      if (fUseNormals) {
    fscanf(inStream, "%lf%lf%lf%f%f%f",
           &poly->array[j][0],
           &poly->array[j][1],
           &poly->array[j][2],
           &poly->normals[j][0],
           &poly->normals[j][1],
           &poly->normals[j][2]);
      } else {
    fscanf(inStream, "%lf%lf%lf",
           &poly->array[j][0],
           &poly->array[j][1],
           &poly->array[j][2]);
      }
    }
  }
  if (!fUseNormals) {
    computeImageNormals(mPoly);
  }
  return mPoly;
}

void
writePolyImageFD(fd, mPoly)
     int             fd;
     mPolygonData   *mPoly;
{
  FILE           *outStream;
  int             i, j;
  polygonData    *poly;
  char            sbOut[256];

  sprintf(sbOut, "%d\n", mPoly->nPolygons);
  cmSendString(fd, sbOut);
  for (i = 0; i < mPoly->nPolygons; i++) {
    poly = &mPoly->polygons[i];
    sprintf(sbOut, "%d\n", poly->nPoints);
    cmSendString(fd, sbOut);

    for (j = 0; j < poly->nPoints; j++) {
      if (fUseNormals) {
```


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```
      sprintf(sbOut, "%lf %lf %lf %f %f %f\n",
          poly->array[j][0],
          poly->array[j][1],
          poly->array[j][2],
          poly->normals[j][0],
          poly->normals[j][1],
          poly->normals[j][2]);
        } else {
      sprintf(sbOut, "%lf %lf %lf\n",
          poly->array[j][0],
          poly->array[j][1],
          poly->array[j][2]);
        }
        cmSendString(fd, sbOut);
      }
    }
}

void
writePolyImage(outStream, mPoly)
     FILE           *outStream;
     mPolygonData   *mPoly;
{
  int             i, j;
  polygonData    *poly;

  fprintf(outStream, "%d\n", mPoly->nPolygons);
  for (i = 0; i < mPoly->nPolygons; i++) {
    poly = &mPoly->polygons[i];
    fprintf(outStream, "%d\n", poly->nPoints);

    for (j = 0; j < poly->nPoints; j++) {
      if (fUseNormals) {
    fprintf(outStream, "%lf %lf %lf %f %f %f\n",
          poly->array[j][0],
          poly->array[j][1],
          poly->array[j][2],
          poly->normals[j][0],
          poly->normals[j][1],
          poly->normals[j][2]);
      } else {
    fprintf(outStream, "%lf %lf %lf\n",
          poly->array[j][0],
          poly->array[j][1],
          poly->array[j][2]);
      }
    }
  }
}

void
freePolyImage(mPoly)
     mPolygonData   *mPoly;
```


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```
{
  int             i, j;
  polygonData    *poly;

  for (i = 0; i < mPoly->nPolygons; i++) {
    poly = &mPoly->polygons[i];
    free(poly->array);
    free(poly->normals);
    if(poly->scratch){
      free(poly->scratch);
    }
  }
  free(mPoly->polygons);
  free(mPoly);
}

computeImageNormals(mPoly)
     mPolygonData   *mPoly;
{
  int             i, j;
  polygonData    *poly;
  int             jj1, jj2;
  for (i = 0; i < mPoly->nPolygons; i++) {
    poly = &mPoly->polygons[i];
    if (poly->nPoints < 3) {
      fprintf(stderr, "computeImageNormals()-- poly has < 3pts\n");
    }
    for (j = 0; j < poly->nPoints; j++) {
      jj1 = j + 1;
      if (jj1 >= poly->nPoints) {
    jj1 -= poly->nPoints;
      }
      jj2 = j + 2;
      if (jj2 >= poly->nPoints) {
    jj2 -= poly->nPoints;
      }
      if (fCWPolys) {   /* clockwise */
    if (PlaneNormalFrom3Pts(poly->array[j], poly->array[jj1],
                poly->array[jj2], poly->normal) == 1) {
      break;
    }
      } else {/* counterclockwise */
    if (PlaneNormalFrom3Pts(poly->array[jj2], poly->array[jj1],
                poly->array[j], poly->normal) == 1) {
      break;
    }
      }
    }
    if (j == poly->nPoints) {
      fprintf(stderr, "computeImageNormals()-- poly pts are collinear\n");
    }
    /* flat shaded for now */
    for (j = 0; j < poly->nPoints; j++) {
```


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```
      memcpy(poly->normals[j], poly->normal, sizeof(float) * 3);
    }
  }
}

mPolygonData   *
readPolyImageNoCount(inStream)
     FILE           *inStream;
{
  int             i, j;

  mPolygonData   *mPoly;
  polygonData    *poly;
  int             nPolygons = 1024;

  mPoly = (mPolygonData *) malloc(sizeof(mPolygonData));
  mPoly->polygons = (polygonData *) malloc(sizeof(polygonData) *
                       nPolygons);
  memset(mPoly->polygons,0,sizeof(polygonData) *mPoly->nPolygons);
  mPoly->nPolygons = 0;
  i = 0;
  while (1) {
    if (i == nPolygons) {
      nPolygons *= 2;
      mPoly->polygons = (polygonData *) realloc(mPoly->polygons,
                        sizeof(polygonData) * nPolygons);
      memset(&mPoly->polygons[nPolygons/2], 0,sizeof(polygonData) *
          nPolygons/2);
    }
    poly = &mPoly->polygons[i];
    if (fscanf(inStream, "%d", &poly->nPoints) == EOF) {
      break;
    }
    mPoly->nPolygons++;
    i++;
    poly->array = (double (*)[3]) malloc(sizeof(double) *
                     3 * poly->nPoints);
    poly->normals = (float (*)[3]) malloc(sizeof(float) *
                      3 * poly->nPoints);

    for (j = 0; j < poly->nPoints; j++) {
      if (fUseNormals) {
    fscanf(inStream, "%lf%lf%lf%lf%lf%lf",
           &poly->array[j][0],
           &poly->array[j][1],
           &poly->array[j][2],
           &poly->normals[j][0],
           &poly->normals[j][1],
           &poly->normals[j][2]);
      } else {
    fscanf(inStream, "%lf%lf%lf",
           &poly->array[j][0],
           &poly->array[j][1],
```


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```
            &poly->array[j][2]);
        }
      }
    }
    if (!fUseNormals) {
      computeImageNormals(mPoly);
    }
    mPoly->polygons = (polygonData *) realloc(mPoly->polygons, mPoly->
        nPolygons *
                          sizeof(polygonData));
    return mPoly;
}

mPolygonData   *
copyPolyImage(inmPoly)
     mPolygonData   *inmPoly;
{
    int             i, j;

    mPolygonData   *mPoly;
    polygonData    *poly;
    polygonData    *inpoly;

    mPoly = (mPolygonData *) malloc(sizeof(mPolygonData));
    mPoly->nPolygons = inmPoly->nPolygons;
    mPoly->polygons = (polygonData *) malloc(sizeof(polygonData) *
                        mPoly->nPolygons);
    for (i = 0; i < mPoly->nPolygons; i++) {
      poly = &mPoly->polygons[i];
      inpoly = &inmPoly->polygons[i];
      poly->nPoints = inpoly->nPoints;
      poly->array = (double (*)[3]) malloc(sizeof(double) *
                       3 * poly->nPoints);
      poly->normals = (float (*)[3]) malloc(sizeof(float) *
                        3 * poly->nPoints);

      memcpy(poly->array, inpoly->array, sizeof(double) *
         3 * poly->nPoints);
      memcpy(poly->normals, inpoly->normals, sizeof(double) *
         3 * poly->nPoints);
    }
    return mPoly;
}

void
setPolyNormMode(mode)
     int             mode;
{
    fUseNormals = mode;
}

void
setPolyOrientMode(mode)
```


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```
    int             mode;
{
  fCWPolys = mode;
}

int
getPolyNormMode()
{
  return fUseNormals;
}

int
getPolyOrientMode()
{
  return fCWPolys;
}

int
PlaneNormalFrom3Pts(v1, v2, v3, norm)
    double          v1[3], v2[3], v3[3];
    float norm[3];
{
  double          u[3], v[3], A, B, C, D;
  int             i;

  for (i = 0; i < 3; i++) {
    u[i] = v1[i] - v2[i];
    v[i] = v3[i] - v2[i];
  }
  A = u[1] * v[2] - v[1] * u[2];
  B = u[2] * v[0] - u[0] * v[2];
  C = u[0] * v[1] - u[1] * v[0];
  D = -(A * v1[0] + B * v1[1] + C * v1[2]);

  norm[0] = A;
  norm[1] = B;
  norm[2] = C;
  /* check if the three points were collinear */
  if ((fabs(A) == 0.0) && (fabs(B) == 0.0) && (fabs(C) == 0.0)) {

    fprintf(stderr, " PlaneNormalFrom3Pts()->collinear points!\n");
    fprintf(stderr, "[0] %lf %lf %lf [1] %lf %lf %lf [2] %lf %lf %lf\n",
        v1[0],v1[1],v1[2],v2[0],v2[1],v2[2], v3[0],v3[1],v3[2]);
    fprintf(stderr, "  set plane normal to (0,0,1)\n");
    norm[0] = 0;
    norm[1] = 0;
    norm[2] = 1;
    return (0);
  }
  normalizeNormal(norm);

  return (1);
}
```


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```
void
normalizeNormal(pNormal)
     float         *pNormal;
{
  double          tmpSum;
  int             i;

  tmpSum = 0.0;
  for (i = 0; i < 3; i++) {
    tmpSum += pNormal[i] * pNormal[i];
  }
  tmpSum = sqrt(tmpSum);
  for (i = 0; i < 3; i++) {
    pNormal[i] = pNormal[i] / tmpSum;
  }
}

void
normalizeDblVector(pNormal)
     double         *pNormal;
{
  double          tmpSum;
  int             i;

  tmpSum = 0.0;
  for (i = 0; i < 3; i++) {
    tmpSum += pNormal[i] * pNormal[i];
  }
  tmpSum = sqrt(tmpSum);
  for (i = 0; i < 3; i++) {
    pNormal[i] = pNormal[i] / tmpSum;
  }
}
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2057

```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>
#include <ctype.h>
#include <shastra/solid/indexPolyH.h>
#include <shastra/network/mplex.h>
#include <shastra/network/rpc.h>
#include <shastra/network/server.h>

#define STANDALONEnn

static char         sbOut[5120];

int
IndexPolyOut(fd, pIPoly)
    int              fd;
    IndexPoly      *pIPoly;
{
    XDR              xdrs;
    int              retVal = 0;

#ifdef STANDALONE
    {
        FILE           *fp;
        fp = stdout /* fdopen(fd,"w") */ ;
        xdrstdio_create(&xdrs, fp, XDR_ENCODE);
        if (!xdr_IndexPoly(&xdrs, pIPoly)) {
            retVal = -1;
        }
    }
#else               /* STANDALONE */
```


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```
    /*
     * xdrstdio_create(mplexXDRSEnc(fd), mplexOutStream(fd), XDR_ENCODE);
     */
    if (!xdr_IndexPoly(mplexXDRSEnc(fd), pIPoly)) {
        retVal = -1;
    }
#endif              /* STANDALONE */
    return retVal;
}

int
IndexPolyIn(fd, pIPoly)
    int             fd;
    IndexPoly      *pIPoly;
{
    XDR             xdrs;
    int             retVal = 0;

    IndexPolyXDRFree(pIPoly);
#ifdef STANDALONE
    {
        FILE           *fp;
        fp = stdin /* fdopen(fd,"r") */ ;
        xdrstdio_create(&xdrs, fp, XDR_DECODE);
        if (!xdr_IndexPoly(&xdrs, pIPoly)) {
            retVal = -1;
        }
    }
#else               /* STANDALONE */
    /*
     * xdrstdio_create(mplexXDRSDec(fd), mplexInStream(fd), XDR_DECODE);
     */
    if (!xdr_IndexPoly(mplexXDRSDec(fd), pIPoly)) {
        retVal = -1;
    }
#endif              /* STANDALONE */
    return retVal;
}



void
inputIndexPoly(fp, pIPoly)
    FILE           *fp;
    IndexPoly      *pIPoly;
{
    int             i,j;

    fscanf(fp, "%u", &pIPoly->vertices.vertices_len);
    pIPoly->vertices.vertices_val =
        (IndexPolyVert *) malloc(sizeof(IndexPolyVert) *
                    pIPoly->vertices.vertices_len);
    for (i = 0; i < pIPoly->vertices.vertices_len; i++) {
```


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```
        fscanf(fp, "%lf%lf%lf",
               &pIPoly->vertices.vertices_val[i][0],
               &pIPoly->vertices.vertices_val[i][1],
               &pIPoly->vertices.vertices_val[i][2]);
    }

    fscanf(fp, "%u", &pIPoly->edgeVerts.edgeVerts_len);
    pIPoly->edgeVerts.edgeVerts_val =
        (IndexPolyEdge *) malloc(sizeof(IndexPolyEdge) *
                    pIPoly->edgeVerts.edgeVerts_len);
    for (i = 0; i < pIPoly->edgeVerts.edgeVerts_len; i++) {
        fscanf(fp, "%d%d",
               &pIPoly->edgeVerts.edgeVerts_val[i][0],
               &pIPoly->edgeVerts.edgeVerts_val[i][1]);
    }

    fscanf(fp, "%u", &pIPoly->faces.faces_len);
    pIPoly->faces.faces_val =
        (faceEdges *) malloc(sizeof(faceEdges) *
                    pIPoly->faces.faces_len);
    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        fscanf(fp, "%u", &pIPoly->faces.faces_val[i].faceEdges_len);
        pIPoly->faces.faces_val[i].faceEdges_val =
            (int *) malloc(sizeof(int) *
                  pIPoly->faces.faces_val[i].faceEdges_len);
        for (j = 0; j < pIPoly->faces.faces_val[i].faceEdges_len; j++) {
            fscanf(fp, "%d",
                   &pIPoly->faces.faces_val[i].faceEdges_val[j]);
        }
    }
}

void
outputIndexPoly(fp, pIPoly)
    FILE           *fp;
    IndexPoly      *pIPoly;
{
    int             i,j;

    fprintf(fp, "%u\n", pIPoly->vertices.vertices_len);
    for (i = 0; i < pIPoly->vertices.vertices_len; i++) {
        fprintf(fp, "%lf %lf %lf\n",
            pIPoly->vertices.vertices_val[i][0],
            pIPoly->vertices.vertices_val[i][1],
            pIPoly->vertices.vertices_val[i][2]);
    }

    fprintf(fp, "%u\n", pIPoly->edgeVerts.edgeVerts_len);
    for (i = 0; i < pIPoly->edgeVerts.edgeVerts_len; i++) {
        fprintf(fp, "%d %d\n",
            pIPoly->edgeVerts.edgeVerts_val[i][0],
            pIPoly->edgeVerts.edgeVerts_val[i][1]);
    }
```


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```
    fprintf(fp, "%u\n", pIPoly->faces.faces_len);
    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        fprintf(fp, "%u\n", pIPoly->faces.faces_val[i].faceEdges_len);
        for (j = 0; j < pIPoly->faces.faces_val[i].faceEdges_len; j++) {
            fprintf(fp, "%d ",
                pIPoly->faces.faces_val[i].faceEdges_val[j]);
        }
        fprintf(fp, "\n");
    }
}



void
freeIndexPoly(pIPoly)
    IndexPoly      *pIPoly;
{
    int             i;

    free(pIPoly->vertices.vertices_val);
    free(pIPoly->edgeVerts.edgeVerts_val);

    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        free(pIPoly->faces.faces_val[i].faceEdges_val);
    }
    free(pIPoly->faces.faces_val);
    memset(pIPoly, 0, sizeof(IndexPoly));
}

IndexPoly      *
copyIndexPoly(pIPoly, destpIPoly)
    IndexPoly      *pIPoly;
    IndexPoly      *destpIPoly;
{
    IndexPoly      *newpIPoly;
    int             i;

    if (pIPoly == NULL) {
        return NULL;
    }
    if (destpIPoly == NULL) {
        newpIPoly = (IndexPoly *) malloc(sizeof(IndexPoly));
    } else {
        newpIPoly = destpIPoly;
    }

    destpIPoly->vertices.vertices_len = pIPoly->vertices.vertices_len;
    destpIPoly->vertices.vertices_val =
        (IndexPolyVert *) malloc(sizeof(IndexPolyVert) *
                    pIPoly->vertices.vertices_len);
    memcpy(destpIPoly->vertices.vertices_val,pIPoly->vertices.vertices_val,
          sizeof(IndexPolyVert) *
```


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```
            pIPoly->vertices.vertices_len);

    destpIPoly->edgeVerts.edgeVerts_len = pIPoly->edgeVerts.edgeVerts_len;
    destpIPoly->edgeVerts.edgeVerts_val =
        (IndexPolyEdge *) malloc(sizeof(IndexPolyEdge) *
                    pIPoly->edgeVerts.edgeVerts_len);
    memcpy( destpIPoly->edgeVerts.edgeVerts_val,
            pIPoly->edgeVerts.edgeVerts_val,
          sizeof(IndexPolyEdge) * pIPoly->edgeVerts.edgeVerts_len);

    destpIPoly->faces.faces_len = pIPoly->faces.faces_len;
    destpIPoly->faces.faces_val =
        (faceEdges *) malloc(sizeof(faceEdges) *
                    pIPoly->faces.faces_len);
    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        destpIPoly->faces.faces_val[i].faceEdges_len =
            pIPoly->faces.faces_val[i].faceEdges_len;
        destpIPoly->faces.faces_val[i].faceEdges_val =
            (int *) malloc(sizeof(int) *
                  pIPoly->faces.faces_val[i].faceEdges_len);
        memcpy( destpIPoly->faces.faces_val[i].faceEdges_val,
                pIPoly->faces.faces_val[i].faceEdges_val,
            sizeof(int) * pIPoly->faces.faces_val[i].faceEdges_len);
    }
    return destpIPoly;
}

void
IndexPolyXDRFree(pIPoly)
    IndexPoly      *pIPoly;
{
    xdr_free(xdr_IndexPoly, (char *) pIPoly);
    memset(pIPoly, 0, sizeof(IndexPoly));
}




IndexPoly      *
inputIPolyString(fd)
    int             fd;
{
    IndexPoly      *pIPoly;
    int             i,j;
    char *sbIn;

    pIPoly = (IndexPoly*)malloc(sizeof(IndexPoly));
    memset(pIPoly, 0,sizeof(IndexPoly));
    sbIn = cmReceiveString(fd);
    sscanf(sbIn, "%u", &pIPoly->vertices.vertices_len);
    free(sbIn);
    pIPoly->vertices.vertices_val =
```


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```
    (IndexPolyVert *) malloc(sizeof(IndexPolyVert) *
                  pIPoly->vertices.vertices_len);
for (i = 0; i < pIPoly->vertices.vertices_len; i++) {
    sbIn = cmReceiveString(fd);
    sscanf(sbIn, "%lf%lf%lf",
           &pIPoly->vertices.vertices_val[i][0],
           &pIPoly->vertices.vertices_val[i][1],
           &pIPoly->vertices.vertices_val[i][2]);
    free(sbIn);
}

sbIn = cmReceiveString(fd);
sscanf(sbIn, "%u", &pIPoly->edgeVerts.edgeVerts_len);
free(sbIn);
pIPoly->edgeVerts.edgeVerts_val =
    (IndexPolyEdge *) malloc(sizeof(IndexPolyEdge) *
                  pIPoly->edgeVerts.edgeVerts_len);
for (i = 0; i < pIPoly->edgeVerts.edgeVerts_len; i++) {
    sbIn = cmReceiveString(fd);
    sscanf(sbIn, "%d%d",
           &pIPoly->edgeVerts.edgeVerts_val[i][0],
           &pIPoly->edgeVerts.edgeVerts_val[i][1]);
    free(sbIn);
}

sbIn = cmReceiveString(fd);
sscanf(sbIn, "%u", &pIPoly->faces.faces_len);
free(sbIn);
pIPoly->faces.faces_val =
    (faceEdges *) malloc(sizeof(faceEdges) *
                  pIPoly->faces.faces_len);
for (i = 0; i < pIPoly->faces.faces_len; i++) {
    char *iptr;
    sbIn = cmReceiveString(fd);
    sscanf(sbIn, "%u", &pIPoly->faces.faces_val[i].faceEdges_len);
    free(sbIn);
    pIPoly->faces.faces_val[i].faceEdges_val =
        (int *) malloc(sizeof(int) *
              pIPoly->faces.faces_val[i].faceEdges_len);
    iptr = sbIn = cmReceiveString(fd);
    for (j = 0; j < pIPoly->faces.faces_val[i].faceEdges_len; j++) {
        while((!isdigit(*iptr)) && (*iptr!='-')){
            iptr++/*skip nonnumerics*/;
        }
        sscanf(iptr, "%d",
               &pIPoly->faces.faces_val[i].faceEdges_val[j]);
        if(*iptr == '-'){
            iptr++;
        }
        while(isdigit(*iptr))iptr++/*skip numerics*/;
    }
    free(sbIn);
}
```


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```
    return pIPoly;
}

void
outputIPolyString(fd, pIPoly)
    int     fd;
    IndexPoly      *pIPoly;
{
    int             i,j;

    sprintf(sbOut, "%u\n", pIPoly->vertices.vertices_len);
    cmSendString(fd,sbOut);
    for (i = 0; i < pIPoly->vertices.vertices_len; i++) {
        sprintf(sbOut, "%lf %lf %lf\n",
            pIPoly->vertices.vertices_val[i][0],
            pIPoly->vertices.vertices_val[i][1],
            pIPoly->vertices.vertices_val[i][2]);
        cmSendString(fd,sbOut);
    }

    sprintf(sbOut, "%u\n", pIPoly->edgeVerts.edgeVerts_len);
    cmSendString(fd,sbOut);
    for (i = 0; i < pIPoly->edgeVerts.edgeVerts_len; i++) {
        sprintf(sbOut, "%d %d\n",
            pIPoly->edgeVerts.edgeVerts_val[i][0],
            pIPoly->edgeVerts.edgeVerts_val[i][1]);
        cmSendString(fd,sbOut);
    }

    sprintf(sbOut, "%u\n", pIPoly->faces.faces_len);
    cmSendString(fd,sbOut);
    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        char *optr;
        sprintf(sbOut, "%u\n", pIPoly->faces.faces_val[i].faceEdges_len);
        cmSendString(fd,sbOut);
        optr = sbOut;
        for (j = 0; j < pIPoly->faces.faces_val[i].faceEdges_len; j++) {
            sprintf(optr, "%d ",
                pIPoly->faces.faces_val[i].faceEdges_val[j]);
            optr += strlen(optr);
        }
        sprintf(optr, "\n");
        cmSendString(fd,sbOut);
    }
}




#ifdef STANDALONE
main(argc, argv)
#else               /* STANDALONE */
```


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```
IndexPolyMain(argc, argv)
#endif              /* STANDALONE */
    int             argc;
    char          **argv;
{
    IndexPoly sIPoly;
    IndexPoly       cpIPoly;

    switch (argc) {
    case 1:     /* receive sId */
        IndexPolyIn(0 /* stdin */ , &sIPoly);
        outputIPoly(stdout, &sIPoly);
        cpIPoly = sIPoly;
        outputIPoly(stdout, &cpIPoly);

        break;
    case 2:     /* receive sId */
        inputIndexPoly(stdin, &sIPoly);
#ifdef DEBUG
        outputIndexPoly(stderr, &sIPoly);
#endif
        IndexPolyOut(1 /* stdout */ , &sIPoly);

        break;
    }

}
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/*
 * Please do not edit this file.
 * It was generated using rpcgen.
 */

#include <rpc/rpc.h>
#include <shastra/solid/indexPoly.h>

bool_t
xdr_IndexPolyVert(xdrs, objp)
    XDR *xdrs;
    IndexPolyVert objp;
{
    if (!xdr_vector(xdrs, (char *)objp, 3, sizeof(double), xdr_double)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_IndexPolyEdge(xdrs, objp)
    XDR *xdrs;
    IndexPolyEdge objp;
{
    if (!xdr_vector(xdrs, (char *)objp, 2, sizeof(int), xdr_int)) {
        return (FALSE);
    }
    return (TRUE);
}
```


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```
bool_t
xdr_faceEdges(xdrs, objp)
    XDR *xdrs;
    faceEdges *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->faceEdges_val, (u_int *)&objp->
        faceEdges_len, ~0, sizeof(int), xdr_int)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_IndexPoly(xdrs, objp)
    XDR *xdrs;
    IndexPoly *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->vertices.vertices_val, (u_int *)&
        objp->vertices.vertices_len, ~0, sizeof(IndexPolyVert),
        xdr_IndexPolyVert)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->edgeVerts.edgeVerts_val, (u_int *)
        &objp->edgeVerts.edgeVerts_len, ~0, sizeof(IndexPolyEdge),
        xdr_IndexPolyEdge)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->faces.faces_val, (u_int *)&objp->
        faces.faces_len, ~0, sizeof(faceEdges), xdr_faceEdges)) {
        return (FALSE);
    }
    return (TRUE);
}
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/*
 * Please do not edit this file.
 * It was generated using rpcgen.
 */

#include <rpc/rpc.h>
#include <ipoly/iPoly.h>
#include <shastra/solid/iSolid.h>

bool_t
xdr_polyTermD(xdrs, objp)
    XDR *xdrs;
    polyTermD *objp;
{
    if (!xdr_double(xdrs, &objp->coeff)) {
        return (FALSE);
    }
    if (!xdr_vector(xdrs, (char *)objp->expon, ISOLID_DIM, sizeof(short),
        xdr_short)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_polySpaD(xdrs, objp)
    XDR *xdrs;
    polySpaD *objp;
{
```


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```
    if (!xdr_array(xdrs, (char **)&objp->polySpaD_val, (u_int *)&objp->
        polySpaD_len, ~0, sizeof(polyTermD), xdr_polyTermD)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_hypRange(xdrs, objp)
    XDR *xdrs;
    hypRange objp;
{
    if (!xdr_vector(xdrs, (char *)objp, ISOLID_DIMR, sizeof(double),
        xdr_double)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_simpVertD(xdrs, objp)
    XDR *xdrs;
    simpVertD objp;
{
    if (!xdr_vector(xdrs, (char *)objp, ISOLID_DIM, sizeof(double),
        xdr_double)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_bernMixedD(xdrs, objp)
    XDR *xdrs;
    bernMixedD *objp;
{
    if (!xdr_short(xdrs, &objp->degree)) {
        return (FALSE);
    }
    if (!xdr_vector(xdrs, (char *)objp->verts, ISOLID_DIMH, sizeof
        (simpVertD), xdr_simpVertD)) {
        return (FALSE);
    }
    if (!xdr_vector(xdrs, (char *)objp->degrees, ISOLID_DIM, sizeof(short),
        xdr_short)) {
        return (FALSE);
    }
    if (!xdr_vector(xdrs, (char *)objp->hyper, ISOLID_DIM, sizeof(hypRange)
        , xdr_hypRange)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->coeffs.coeffs_val, (u_int *)&objp-
        >coeffs.coeffs_len, ~0, sizeof(double), xdr_double)) {
```


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```
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_bsKnots(xdrs, objp)
    XDR *xdrs;
    bsKnots *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->bsKnots_val, (u_int *)&objp->
        bsKnots_len, ~0, sizeof(double), xdr_double)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_bSplineD(xdrs, objp)
    XDR *xdrs;
    bSplineD *objp;
{
    if (!xdr_vector(xdrs, (char *)objp->degrees, ISOLID_DIM, sizeof(short),
        xdr_short)) {
        return (FALSE);
    }
    if (!xdr_vector(xdrs, (char *)objp->knots, ISOLID_DIM, sizeof(bsKnots),
        xdr_bsKnots)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->coeffs.coeffs_val, (u_int *)&objp-
        >coeffs.coeffs_len, ~0, sizeof(double), xdr_double)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_polyEqn(xdrs, objp)
    XDR *xdrs;
    polyEqn *objp;
{
    if (!xdr_polySpaD(xdrs, objp)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_polyEqnP(xdrs, objp)
    XDR *xdrs;
    polyEqnP *objp;
{
```


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```
    if (!xdr_pointer(xdrs, (char **)objp, sizeof(polyEqn), xdr_polyEqn)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_bernEqn(xdrs, objp)
    XDR *xdrs;
    bernEqn *objp;
{
    if (!xdr_bernMixedD(xdrs, objp)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_bernEqnP(xdrs, objp)
    XDR *xdrs;
    bernEqnP *objp;
{
    if (!xdr_pointer(xdrs, (char **)objp, sizeof(bernEqn), xdr_bernEqn)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_bSplineEqn(xdrs, objp)
    XDR *xdrs;
    bSplineEqn *objp;
{
    if (!xdr_bSplineD(xdrs, objp)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_bSplineEqnP(xdrs, objp)
    XDR *xdrs;
    bSplineEqnP *objp;
{
    if (!xdr_pointer(xdrs, (char **)objp, sizeof(bSplineEqn),
        xdr_bSplineEqn)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_eqnType(xdrs, objp)
```


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```
    XDR *xdrs;
    eqnType *objp;
{
    if (!xdr_enum(xdrs, (enum_t *)objp)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_solBernP(xdrs, objp)
    XDR *xdrs;
    solBernP *objp;
{
    if (!xdr_pointer(xdrs, (char **)objp, sizeof(struct solBern),
        xdr_solBern)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_solBern(xdrs, objp)
    XDR *xdrs;
    solBern *objp;
{
    if (!xdr_eqnType(xdrs, &objp->type)) {
        return (FALSE);
    }
    switch (objp->type) {
    case eqnIMPLI:
        if (!xdr_array(xdrs, (char **)&objp->solBern_u.implicit.
            implicit_val, (u_int *)&objp->solBern_u.implicit.implicit_len,
            ~0, sizeof(bernEqnP), xdr_bernEqnP)) {
            return (FALSE);
        }
        break;
    case eqnRATION:
        if (!xdr_array(xdrs, (char **)&objp->solBern_u.rational.
            rational_val, (u_int *)&objp->solBern_u.rational.rational_len,
            ~0, sizeof(bernEqnP), xdr_bernEqnP)) {
            return (FALSE);
        }
        break;
    case eqnPARAM:
        if (!xdr_array(xdrs, (char **)&objp->solBern_u.param.param_val,
            (u_int *)&objp->solBern_u.param.param_len, ~0, sizeof(bernEqnP)
            , xdr_bernEqnP)) {
            return (FALSE);
        }
        break;
    case eqnRATPAR:
        if (!xdr_array(xdrs, (char **)&objp->solBern_u.ratpar.ratpar_val,
```


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```
            (u_int *)&objp->solBern_u.ratpar.ratpar_len, ~0, sizeof
            (bernEqnP), xdr_bernEqnP)) {
            return (FALSE);
        }
        break;
    case eqnPATCH:
        if (!xdr_array(xdrs, (char **)&objp->solBern_u.patches.patches_val,
            (u_int *)&objp->solBern_u.patches.patches_len, ~0, sizeof
            (solBernP), xdr_solBernP)) {
            return (FALSE);
        }
        break;
    }
    return (TRUE);
}

bool_t
xdr_solPolyP(xdrs, objp)
    XDR *xdrs;
    solPolyP *objp;
{
    if (!xdr_pointer(xdrs, (char **)objp, sizeof(struct solPoly),
        xdr_solPoly)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_solPoly(xdrs, objp)
    XDR *xdrs;
    solPoly *objp;
{
    if (!xdr_eqnType(xdrs, &objp->type)) {
        return (FALSE);
    }
    switch (objp->type) {
    case eqnIMPLI:
        if (!xdr_array(xdrs, (char **)&objp->solPoly_u.implicit.
            implicit_val, (u_int *)&objp->solPoly_u.implicit.implicit_len,
            ~0, sizeof(polyEqnP), xdr_polyEqnP)) {
            return (FALSE);
        }
        break;
    case eqnRATION:
        if (!xdr_array(xdrs, (char **)&objp->solPoly_u.rational.
            rational_val, (u_int *)&objp->solPoly_u.rational.rational_len,
            ~0, sizeof(polyEqnP), xdr_polyEqnP)) {
            return (FALSE);
        }
        break;
    case eqnPARAM:
        if (!xdr_array(xdrs, (char **)&objp->solPoly_u.param.param_val,
```


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```
            (u_int *)&objp->solPoly_u.param.param_len, ~0, sizeof(polyEqnP)
            , xdr_polyEqnP)) {
            return (FALSE);
        }
        break;
    case eqnRATPAR:
        if (!xdr_array(xdrs, (char **)&objp->solPoly_u.ratpar.ratpar_val,
            (u_int *)&objp->solPoly_u.ratpar.ratpar_len, ~0, sizeof
            (polyEqnP), xdr_polyEqnP)) {
            return (FALSE);
        }
        break;
    case eqnPATCH:
        if (!xdr_array(xdrs, (char **)&objp->solPoly_u.patches.patches_val,
            (u_int *)&objp->solPoly_u.patches.patches_len, ~0, sizeof
            (solPolyP), xdr_solPolyP)) {
            return (FALSE);
        }
        break;
    }
    return (TRUE);
}

bool_t
xdr_solBSplineP(xdrs, objp)
    XDR *xdrs;
    solBSplineP *objp;
{
    if (!xdr_pointer(xdrs, (char **)objp, sizeof(struct solBSpline),
        xdr_solBSpline)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_solBSpline(xdrs, objp)
    XDR *xdrs;
    solBSpline *objp;
{
    if (!xdr_eqnType(xdrs, &objp->type)) {
        return (FALSE);
    }
    switch (objp->type) {
    case eqnIMPLI:
        if (!xdr_array(xdrs, (char **)&objp->solBSpline_u.implicit.
            implicit_val, (u_int *)&objp->solBSpline_u.implicit.
            implicit_len, ~0, sizeof(bSplineEqnP), xdr_bSplineEqnP)) {
            return (FALSE);
        }
        break;
    case eqnRATION:
        if (!xdr_array(xdrs, (char **)&objp->solBSpline_u.rational.
```


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```
            rational_val, (u_int *)&objp->solBSpline_u.rational.
            rational_len, ~0, sizeof(bSplineEqnP), xdr_bSplineEqnP)) {
            return (FALSE);
        }
        break;
    case eqnPARAM:
        if (!xdr_array(xdrs, (char **)&objp->solBSpline_u.param.param_val,
            (u_int *)&objp->solBSpline_u.param.param_len, ~0, sizeof
            (bSplineEqnP), xdr_bSplineEqnP)) {
            return (FALSE);
        }
        break;
    case eqnRATPAR:
        if (!xdr_array(xdrs, (char **)&objp->solBSpline_u.ratpar.ratpar_val
            , (u_int *)&objp->solBSpline_u.ratpar.ratpar_len, ~0, sizeof
            (bSplineEqnP), xdr_bSplineEqnP)) {
            return (FALSE);
        }
        break;
    case eqnPATCH:
        if (!xdr_array(xdrs, (char **)&objp->solBSpline_u.patches.
            patches_val, (u_int *)&objp->solBSpline_u.patches.patches_len,
            ~0, sizeof(solBSplineP), xdr_solBSplineP)) {
            return (FALSE);
        }
        break;
    }
    return (TRUE);
}

bool_t
xdr_eqnBasis(xdrs, objp)
    XDR *xdrs;
    eqnBasis *objp;
{
    if (!xdr_enum(xdrs, (enum_t *)objp)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_solEqn(xdrs, objp)
    XDR *xdrs;
    solEqn *objp;
{
    if (!xdr_eqnBasis(xdrs, &objp->type)) {
        return (FALSE);
    }
    switch (objp->type) {
    case eqnPOLY:
        if (!xdr_solPoly(xdrs, &objp->solEqn_u.sPolyEqn)) {
            return (FALSE);
```


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```
        }
        break;
    case eqnBERN:
        if (!xdr_solBern(xdrs, &objp->solEqn_u.sBernEqn)) {
            return (FALSE);
        }
        break;
    case eqnSPLINE:
        if (!xdr_solBSpline(xdrs, &objp->solEqn_u.sBSplineEqn)) {
            return (FALSE);
        }
        break;
    }
    return (TRUE);
}

bool_t
xdr_iSolEqn(xdrs, objp)
    XDR *xdrs;
    iSolEqn *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->iSolEqn_val, (u_int *)&objp->
        iSolEqn_len, ~0, sizeof(u_int), xdr_u_int)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolCycle(xdrs, objp)
    XDR *xdrs;
    iSolCycle *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->iSolCycle_val, (u_int *)&objp->
        iSolCycle_len, ~0, sizeof(u_int), xdr_u_int)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolFace(xdrs, objp)
    XDR *xdrs;
    iSolFace *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->iSolFace_val, (u_int *)&objp->
        iSolFace_len, ~0, sizeof(u_int), xdr_u_int)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
```


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```
xdr_iSolVert(xdrs, objp)
    XDR *xdrs;
    iSolVert *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->iSolVert_val, (u_int *)&objp->
        iSolVert_len, ~0, sizeof(u_int), xdr_u_int)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolEdge(xdrs, objp)
    XDR *xdrs;
    iSolEdge *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->iSolEdge_val, (u_int *)&objp->
        iSolEdge_len, ~0, sizeof(u_int), xdr_u_int)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolidVerts(xdrs, objp)
    XDR *xdrs;
    iSolidVerts *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->vMarks.vMarks_val, (u_int *)&objp-
        >vMarks.vMarks_len, ~0, sizeof(u_long), xdr_u_long)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->vFaces.vFaces_val, (u_int *)&objp-
        >vFaces.vFaces_len, ~0, sizeof(iSolFace), xdr_iSolFace)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolidEdges(xdrs, objp)
    XDR *xdrs;
    iSolidEdges *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->eMarks.eMarks_val, (u_int *)&objp-
        >eMarks.eMarks_len, ~0, sizeof(u_long), xdr_u_long)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->eEqns.eEqns_val, (u_int *)&objp->
        eEqns.eEqns_len, ~0, sizeof(u_int), xdr_u_int)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->eFaces.eFaces_val, (u_int *)&objp-
```


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```
        >eFaces.eFaces_len, ~0, sizeof(iSolFace), xdr_iSolFace)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolidCycles(xdrs, objp)
    XDR *xdrs;
    iSolidCycles *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->cMarks.cMarks_val, (u_int *)&objp-
        >cMarks.cMarks_len, ~0, sizeof(u_long), xdr_u_long)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->cFaces.cFaces_val, (u_int *)&objp-
        >cFaces.cFaces_len, ~0, sizeof(u_int), xdr_u_int)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolidFaces(xdrs, objp)
    XDR *xdrs;
    iSolidFaces *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->fMarks.fMarks_val, (u_int *)&objp-
        >fMarks.fMarks_len, ~0, sizeof(u_long), xdr_u_long)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->fCycles.fCycles_val, (u_int *)&
        objp->fCycles.fCycles_len, ~0, sizeof(iSolCycle), xdr_iSolCycle)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->fVerts.fVerts_val, (u_int *)&objp-
        >fVerts.fVerts_len, ~0, sizeof(iSolVert), xdr_iSolVert)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->fEdges.fEdges_val, (u_int *)&objp-
        >fEdges.fEdges_len, ~0, sizeof(iSolEdge), xdr_iSolEdge)) {
        return (FALSE);
    }
    if (!xdr_array(xdrs, (char **)&objp->fEqns.fEqns_val, (u_int *)&objp->
        fEqns.fEqns_len, ~0, sizeof(iSolEqn), xdr_iSolEqn)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolidEqns(xdrs, objp)
    XDR *xdrs;
```


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```
    iSolidEqns *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->sEqns.sEqns_val, (u_int *)&objp->
        sEqns.sEqns_len, ~0, sizeof(solEqn), xdr_solEqn)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolid(xdrs, objp)
    XDR *xdrs;
    iSolid *objp;
{
    if (!xdr_iPoly(xdrs, &objp->graph)) {
        return (FALSE);
    }
    if (!xdr_iSolidVerts(xdrs, &objp->verts)) {
        return (FALSE);
    }
    if (!xdr_iSolidEdges(xdrs, &objp->edges)) {
        return (FALSE);
    }
    if (!xdr_iSolidCycles(xdrs, &objp->cycles)) {
        return (FALSE);
    }
    if (!xdr_iSolidFaces(xdrs, &objp->faces)) {
        return (FALSE);
    }
    if (!xdr_iSolidEqns(xdrs, &objp->eqns)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolid_P(xdrs, objp)
    XDR *xdrs;
    iSolid_P *objp;
{
    if (!xdr_pointer(xdrs, (char **)objp, sizeof(iSolid), xdr_iSolid)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolids(xdrs, objp)
    XDR *xdrs;
    iSolids *objp;
{
    if (!xdr_array(xdrs, (char **)&objp->iSolids_val, (u_int *)&objp->
        iSolids_len, ~0, sizeof(iSolid), xdr_iSolid)) {
```


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```
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolids_P(xdrs, objp)
    XDR *xdrs;
    iSolids_P *objp;
{
    if (!xdr_pointer(xdrs, (char **)objp, sizeof(iSolids), xdr_iSolids)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolidObj(xdrs, objp)
    XDR *xdrs;
    iSolidObj *objp;
{
    if (!xdr_vector(xdrs, (char *)objp->sbName, ISOLID_NMLEN, sizeof(char),
        xdr_char)) {
        return (FALSE);
    }
    if (!xdr_u_long(xdrs, &objp->lIdTag)) {
        return (FALSE);
    }
    if (!xdr_u_long(xdrs, &objp->lSIdTag)) {
        return (FALSE);
    }
    if (!xdr_u_long(xdrs, &objp->lPerms)) {
        return (FALSE);
    }
    if (!xdr_u_long(xdrs, &objp->lType)) {
        return (FALSE);
    }
    if (!xdr_u_long(xdrs, &objp->lMode)) {
        return (FALSE);
    }
    if (!xdr_pointer(xdrs, (char **)&objp->pISolid, sizeof(iSolid),
        xdr_iSolid)) {
        return (FALSE);
    }
    return (TRUE);
}

bool_t
xdr_iSolidObj_P(xdrs, objp)
    XDR *xdrs;
    iSolidObj_P *objp;
{
    if (!xdr_pointer(xdrs, (char **)objp, sizeof(iSolidObj), xdr_iSolidObj)
```


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```
        ) {
        return (FALSE);
    }
    return (TRUE);
}
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/*****************************************************************************/
/*
 * readSolid.c - input functions for solid at the network interface
 *
 * readString()
 *
 * readIndex() readAdjItem() readEqnItem()
 *
 * readVertex() readDEdge() readEdge() readCycle() readFace() readSolid()
 *
 */
/*****************************************************************************/

#include <stdio.h>
#include <ctype.h>
#include <malloc.h>

#include <shastra/shilp.h>
#include <poly/poly.h>
#include <poly/polymath.h>
#include <shastra/solid/datadefs.h>
#include <shastra/solid/edgetypes.h>
#include <shastra/solid/eqntypes.h>
#include <shastra/solid/bern.h>

#include <shastra/draw/solid.h>

#include <shastra/network/server.h>
#include <shastra/solid/readSolid.h>
```


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```
char    *stdVars[3] = {"X", "Y", "Z"};

#define DEBUG 0

/*
 * readIndex(fdSocket, iptr ) - read an index into iptr
 *
 * Input should be of the form: solid# object index#
 *
 * where solid# and index# are integers, and object = V,E,F,D, or C
 */
void
readIndex(fdSocket, iptr)
     int             fdSocket;
     Index_Ptr       iptr;
{
  char            c;
  char           *sbIn;

  sbIn = readString(fdSocket);
  sscanf(sbIn, "%d %c %d", &iptr->solid, &c, &iptr->index);
  free(sbIn);
#if DEBUG
  printf("readIndex: %d %c %d\n", iptr->solid, c, iptr->index);
#endif

  switch (c) {
  case 'V':
    iptr->object = VERTEX;
    break;
  case 'E':
    iptr->object = EDGE;
    break;
  case 'F':
    iptr->object = FACE;
    break;
  case 'D':
    iptr->object = DEDGE;
    break;
  case 'C':
    iptr->object = CYCLE;
    break;
  default:
    fprintf(stderr, "Unexpected type \"%c\" in readIndex\n", c);
    break;
  }
}

/*****************************************************************/
/*
 * readAdjItem( fdSocket,aptr ) - read an adjacency into item pointer
 *
```


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```
 * Input should be of the form Face_Index DEIn_Index DEOut_Index
 *
 */
/*****************************************************************/
void
readAdjItem(fdSocket, aptr)
     int             fdSocket;
     AdjList_Ptr     aptr;
{
  readIndex(fdSocket, &aptr->face);
  readIndex(fdSocket, &aptr->dEIn);
  readIndex(fdSocket, &aptr->dEOut);
}

/*****************************************************************/
/*
 * readEquation(fdSocket ) - read an equation , create it and return it
 */
/*****************************************************************/
Poly
readEquation(fdSocket)
     int             fdSocket;
{
  char           *sbIn;
  Poly eQN;

  eQN = Parse((sbIn = readString(fdSocket)));
  free(sbIn);
  ConformPolyToVars(3, stdVars, eQN);
  return eQN;
}

/*****************************************************************/
/*
 * readEqnItem(fdSocket ) - read an equation item, create it and return it
 */
/*****************************************************************/
EQNList_Ptr
readEqnItem(fdSocket)
     int             fdSocket;
{
  EQNList_Ptr     New_Eqn = createEqnItem();

  New_Eqn->eQN = readEquation(fdSocket);

  return (New_Eqn);
}

/*****************************************************************/
/*
 * readBernPar( fdSocket) - read bernstein-parametric eqn, return pointer
 *
 * Input should be of the form degree points...
```


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```
 *
 */
/*****************************************************************/
BernPar_Ptr
readBernPar(fdSocket)
     int             fdSocket;
{
  int             degree;
  int             i;
  BernPar_Ptr     eqn;
  char           *sbIn;

  sbIn = readString(fdSocket);
  sscanf(sbIn, "%d", &degree);
  free(sbIn);

  /*
   * printf("found bernstein par eqn of degree %d\n", degree);
   */
  if (degree <= 0) {
    return NULL;
  }
  eqn = (BernPar_Ptr) malloc(sizeof(BernPar));
  eqn->degree = degree;
  eqn->coeffs = (double (*)[3])
    createMem(3 * (1 + degree) * sizeof(double));

  for (i = 0; i <= degree; i++) {
    sbIn = readString(fdSocket);
    sscanf(sbIn, "%lf %lf %lf",
       &(eqn->coeffs[i][0]),
       &(eqn->coeffs[i][1]),
       &(eqn->coeffs[i][2]));
    free(sbIn);
    /*
     * printf("read coeff  %f %f %f\n", (eqn->coeffs[i][0]),
     * (eqn->coeffs[i][1]), (eqn->coeffs[i][2]));
     */
  }
  return eqn;
}
/*****************************************************************/
/*
 * readBernParQuad( fdSocket) - read bernstein-parametric eqn, return
     pointer
 *
 * Input should be of the form degree points...
 *
 */
/*****************************************************************/
BernParQuad_Ptr
readBernParQuad(fdSocket)
     int             fdSocket;
```


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```
{
  int             degree;
  int             i;
  BernParQuad_Ptr eqn;
  char           *sbIn;
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%d", &degree);
  free(sbIn);

  /*
   * printf("found bernstein quad eqn of degree %d\n", degree);
   */
  if (degree <= 0) {
    return NULL;
  }
  eqn = (BernParQuad_Ptr) malloc(sizeof(BernParQuad));
  eqn->degree = degree;
  eqn->coeff1 = (double (*)[3])
    createMem(3 * (1 + degree) * sizeof(double));
  eqn->coeff2 = (double (*)[3])
    createMem(3 * (1 + degree) * sizeof(double));

  for (i = 0; i <= degree; i++) {
    sbIn = readString(fdSocket);
    sscanf(sbIn, "%lf %lf %lf",
       &(eqn->coeff1[i][0]),
       &(eqn->coeff1[i][1]),
       &(eqn->coeff1[i][2]));
    free(sbIn);
    /*
     * printf("read coeff  %f %f %f\n", (eqn->coeff1[i][0]),
     * (eqn->coeff1[i][1]), (eqn->coeff1[i][2]));
     */
  }
  for (i = 0; i <= degree; i++) {
    sbIn = readString(fdSocket);
    sscanf(sbIn, "%lf %lf %lf",
       &(eqn->coeff2[i][0]),
       &(eqn->coeff2[i][1]),
       &(eqn->coeff2[i][2]));
    free(sbIn);
    /*
     * printf("read coeff  %f %f %f\n", (eqn->coeff2[i][0]),
     * (eqn->coeff2[i][1]), (eqn->coeff2[i][2]));
     */

  }
  return eqn;
}
/*****************************************************************/
/*
 * readBernTensor( fdSocket) - read bernstein-parametric eqn, return
     pointer
```


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```
 *
 * Input should be of the form degree points...
 *
 */
/*****************************************************************/
BernTensor_Ptr
readBernTensor(fdSocket)
     int             fdSocket;
{
  int             degree;
  int             i;
  BernTensor_Ptr  eqn;
  char           *sbIn;
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%d", &degree);
  free(sbIn);

  /*
   * printf("found bernstein tensor eqn of degree %d\n", degree);
   */
  if (degree <= 0) {
    return NULL;
  }
  eqn = (BernTensor_Ptr) malloc(sizeof(BernTensor));
  eqn->degree = degree;
  eqn->coeff1 = (double (*)[3])
    createMem(3 * (1 + degree) * sizeof(double));
  eqn->coeff2 = (double (*)[3])
    createMem(3 * (1 + degree) * sizeof(double));

  for (i = 0; i <= degree; i++) {
    sbIn = readString(fdSocket);
    sscanf(sbIn, "%lf %lf %lf",
       &(eqn->coeff1[i][0]),
       &(eqn->coeff1[i][1]),
       &(eqn->coeff1[i][2]));
    free(sbIn);
    /*
     * printf("read coeff  %f %f %f\n", (eqn->coeff1[i][0]),
     * (eqn->coeff1[i][1]), (eqn->coeff1[i][2]));
     */
  }
  for (i = 0; i <= degree; i++) {
    sbIn = readString(fdSocket);
    sscanf(sbIn, "%lf %lf %lf",
       &(eqn->coeff2[i][0]),
       &(eqn->coeff2[i][1]),
       &(eqn->coeff2[i][2]));
    free(sbIn);
    /*
     * printf("read coeff  %f %f %f\n", (eqn->coeff2[i][0]),
     * (eqn->coeff2[i][1]), (eqn->coeff2[i][2]));
     */
```


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```
  }
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%lf %lf %lf",
     &(eqn->tangent[0]),
     &(eqn->tangent[1]),
     &(eqn->tangent[2]));
  free(sbIn);
  /*
   * printf("read tangent  %f %f %f\n", (eqn->tangent[0]),
   * (eqn->tangent[1]), (eqn->tangent[2]));
   */

  return eqn;
}
/*****************************************************************************/
/*
 * readVertex(fdSocket) - read in and create a single vertex return a
     pointer
 * to the vertex
 *
 * Input should be (assume preceeding "V" has been eaten): xval yval zval
 * #adjacencies adj1 adj2 ...
 *
 */
/*****************************************************************************/
Vertex_Ptr
readVertex(fdSocket)
     int             fdSocket;
{
  Vertex_Ptr      New_Vertex = createVertex();
  AdjList_Ptr     last_adj;
  int             i, num_adj;
  double          a, b, c;
  char           *sbIn;

  /* read in the point value */
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%lf %lf %lf",
     &(New_Vertex->point[0]),
     &(New_Vertex->point[1]),
     &(New_Vertex->point[2]));
  free(sbIn);

  /* read adjacencies */
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%d", &num_adj);
  free(sbIn);

  /*
   * for (i = 0; i < num_adj; i++) { last_adj =
   * New_Vertex->adjacencies; New_Vertex->adjacencies =
   * createAdjItem(); New_Vertex->adjacencies->next = last_adj;
   * readAdjItem(fdSocket, New_Vertex->adjacencies); }
```


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```
   */
  for (i = 0; i < num_adj; i++) {
    if (i == 0) {
      last_adj = New_Vertex->adjacencies = createAdjItem();
      readAdjItem(fdSocket, last_adj);
    } else {
      last_adj->next = createAdjItem();
      readAdjItem(fdSocket, last_adj->next);
      last_adj = last_adj->next;
    }
  }
  return (New_Vertex);
}

/*************************************************************************/
/*
 * readDEdge(fdSocket) - read in and create a new directed edge
 *
 * Input should be (assume D already eaten up) cycle_index rightorientation
     (int,
 * 0 or 1) edge_index next_de_index
 */
/*************************************************************************/
DEdge_Ptr
readDEdge(fdSocket)
     int             fdSocket;
{
  DEdge_Ptr       New_DEdge = createDEdge();
  char           *sbIn;

  readIndex(fdSocket, &New_DEdge->cycle);
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%d", &New_DEdge->rightOrientation);
  free(sbIn);
  readIndex(fdSocket, &New_DEdge->edge);
  readIndex(fdSocket, &New_DEdge->nextDE);

  return (New_DEdge);
}

/*************************************************************************/
/*
 * readEdge(fdSocket) - read in and create an edge return a pointer to the
 * edge
 *
 * Input should be of the form (assume E eaten up):
 *
 * Name(string) V1_index V2_index Type ("LINEAR" or "BERNSTEIN_PARAMETRIC"
     or
 * "UNKNOWN") tan12_x tan12_y tan12_z tan21_x tan21_y tan21_z #of dedges
 * DirectedEdge_index1 DirectedEdge_index2 ... AUX_EQN or NO_AUX_EQN aux
     eqn,
 * as appropriate EQNS or NO_EQNS degree bernstein coeffs, as appropriate
```


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```
     xi
 * yi zi
 *
 */
/*****************************************************************************/
Edge_Ptr
readEdge(fdSocket)
     int             fdSocket;
{
  Edge_Ptr        New_Edge = createEdge();
  DEList_Ptr      last_de;
  int             i, num_des, degree;
  char           *sbIn;
  BernPar_Ptr     beqn;

  /* read edge name */
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%19s", New_Edge->name);
  New_Edge->name[19] = '\0';
  free(sbIn);

  /* read vertex1 & vertex2 indices */
  readIndex(fdSocket, &New_Edge->vertex1);
  readIndex(fdSocket, &New_Edge->vertex2);

  /* read edge type */
  if (strncmp((sbIn = readString(fdSocket)), "LINEAR", strlen("LINEAR")) ==
      0)
    New_Edge->type = LINEAR;
  else if (strncmp(sbIn, "BERNSTEIN-TENSOR",
           strlen("BERNSTEIN-TENSOR")) == 0)
    New_Edge->type = BERNSTEIN_TENSOR_EDGE;
  else if (strncmp(sbIn, "BERNSTEIN-PARAMETRIC",
           strlen("BERNSTEIN-PARAMETRIC")) == 0)
    New_Edge->type = BERNSTEIN_PARAMETRIC;
  else if (strncmp(sbIn, "UNKNOWN", strlen("UNKNOWN")) == 0)
    New_Edge->type = UNKNOWN;
  else {
    fprintf(stderr, "Unknown edge type in readEdge -- %s\n", sbIn);
  }

  /* read tangents */
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%lf %lf %lf", &New_Edge->tan12[0],
     &New_Edge->tan12[1], &New_Edge->tan12[2]);
  free(sbIn);
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%lf %lf %lf", &New_Edge->tan21[0],
     &New_Edge->tan21[1], &New_Edge->tan21[2]);
  free(sbIn);

  /* read directed edges */
  sbIn = readString(fdSocket);
```


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```
sscanf(sbIn, "%d", &num_des);
free(sbIn);
/*
 * for (i = 0; i < num_des; i++) { last_de = New_Edge->dEdges;
 * New_Edge->dEdges = createDEdgeItem(); readIndex(fdSocket,
 * &New_Edge->dEdges->dEdge); New_Edge->dEdges->next = last_de; }
 */
for (i = 0; i < num_des; i++) {
  if (i == 0) {
    last_de = New_Edge->dEdges = createDEdgeItem();
    readIndex(fdSocket, &last_de->dEdge);
  } else {
    last_de->next = createDEdgeItem();
    readIndex(fdSocket, &last_de->next->dEdge);
    last_de = last_de->next;
  }
}

/* read aux eqn */
if (strncmp((sbIn = readString(fdSocket)),
        "AUX_EQN", strlen("AUX_EQN")) == 0) {
  free(sbIn);
  if (strncmp((sbIn = readString(fdSocket)),
      "IMPLICIT", strlen("IMPLICIT")) == 0) {
    free(sbIn);
    New_Edge->aux_Eqn = Parse((sbIn = readString(fdSocket)));
    free(sbIn);
    ConformPolyToVars(3, stdVars, New_Edge->aux_Eqn);
  } else {
    fprintf(stderr, "Unknown Aux Equation Type - %s!\n", sbIn);
    free(sbIn);
  }
} else {
  free(sbIn);
  New_Edge->aux_Eqn = NULL;
}

/* see if there is a bernstein eqn */
if (strncmp((sbIn = readString(fdSocket)), "EQNS", strlen("EQNS")) == 0)
    {
  /* read in degree */
  free(sbIn);
  if (strncmp((sbIn = readString(fdSocket)), "BERNSTEIN-PARAMETRIC",
      strlen("BERNSTEIN-PARAMETRIC")) == 0) {
    free(sbIn);
    New_Edge->eqn = readBernPar(fdSocket);
  } else {
    fprintf(stderr, "Unknown Edge Equation Type - %s!\n", sbIn);
    free(sbIn);
  }

} else {
  free(sbIn);
```


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```
  }
  return (New_Edge);
}

/*****************************************************************************/
/*
 * readCycle(fdSocket) - read in, create and return a cycle
 *
 * Input should be of the form:
 *
 * face_index dedge_index
 */
/*****************************************************************************/
Cycle_Ptr
readCycle(fdSocket)
     int             fdSocket;
{
  Cycle_Ptr       New_Cycle = createCycle();

  readIndex(fdSocket, &New_Cycle->face);
  readIndex(fdSocket, &New_Cycle->dEdge);

  return (New_Cycle);
}

/*****************************************************************************/
/*
 * readFace(fdSocket) - read in and create a face return a pointer to the
     new
 * face
 *
 * Input should be of the form (assume F eaten): Name (string) Equation
 * (macsyma-form equation, unless bernstein) Normal_eqn_1 (macsyma form)
 * Normal_eqn_2        " Normal_eqn_3        " #cycles cycle1 cycle2 ...
 */
/*****************************************************************************/
Face_Ptr
readFace(fdSocket)
     int             fdSocket;
{
  Face_Ptr        New_Face = createFace();
  EQNList_Ptr     last_eqn, next_eqn;
  CycleList_Ptr   last_cycle;
  int             i, num_cycles;
  char           *sbIn;

  /* read name */
  sbIn = readString(fdSocket);
  sscanf(sbIn, "%19s", New_Face->name);
  New_Face->name[19] = '\0';
  free(sbIn);
```


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```
    /* read equation */
    if (strncmp((sbIn = readString(fdSocket)),
            "IMPLICIT", strlen("IMPLICIT")) == 0) {
      free(sbIn);
      New_Face->equation = Parse((sbIn = readString(fdSocket)));
      free(sbIn);
      ConformPolyToVars(3, stdVars, New_Face->equation);
      New_Face->type = IMPLICIT;
    } else if (strncmp(sbIn, "BERNSTEIN_PARAMETRIC_QUAD", strlen
        ("BERNSTEIN_PARAMETRIC_QUAD")) == 0) {
      free(sbIn);
      New_Face->type = BERNSTEIN_PARAMETRIC_QUAD;
      /* read it in */
      New_Face->bernQuad = readBernParQuad(fdSocket);
    } else if (strncmp(sbIn, "BERNSTEIN_TENSOR", strlen("BERNSTEIN_TENSOR"))
        == 0) {
      free(sbIn);
      New_Face->type = BERNSTEIN_TENSOR;
      /* read it in */
      New_Face->bernTens = readBernTensor(fdSocket);
    } else {
      fprintf(stderr, "Unknown Equation Type - %s!\n", sbIn);
      free(sbIn);
    }

    /* read the (three) normal equations */
    New_Face->normal = readEqnItem(fdSocket);
    New_Face->normal->next = readEqnItem(fdSocket);
    New_Face->normal->next->next = readEqnItem(fdSocket);

    /* read in the cycles */
    sbIn = readString(fdSocket);
    sscanf(sbIn, "%d", &num_cycles);
    free(sbIn);
    /*
     * last_cycle = New_Face->cycles;
     * for (i = 0; i < num_cycles; i++) { New_Face->cycles =
     * createCycleItem(); readIndex(fdSocket, &New_Face->cycles->cycle);
     * New_Face->cycles->next = last_cycle; last_cycle =
     * New_Face->cycles; }
     */
    for (i = 0; i < num_cycles; i++) {
      if (i == 0) {
        last_cycle = New_Face->cycles = createCycleItem();
        readIndex(fdSocket, &last_cycle->cycle);
      } else {
        last_cycle->next = createCycleItem();
        readIndex(fdSocket, &last_cycle->next->cycle);
        last_cycle = last_cycle->next;
      }
    }

    return (New_Face);
```


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```
}

/*****************************************************************************/
/*
 * readSolid(fdSocket) - read in a solid from a file return a pointer to
     the
 * new solid
 *
 * Input should be as follows (assume the preceeding "S" has already been
     eaten
 * up):
 *
 * #vert #edges #faces #dedges #cycles vertex1 vertex2 ... edge1 edge2 ...
     face1
 * face2 ... dedge1 dedge2 ... cycle1 cycle2 ...
 *
 */
/*****************************************************************************/
Solid_Ptr
readSolid(fdSocket)
     int             fdSocket;
{
  Solid_Ptr       New_Solid = createSolid();
  int             i;
  Stack_Union     object;
  int             Num_Vertices, Num_Edges, Num_Faces, Num_DEdges,
      Num_Cycles;
  char           *sbIn;

  /* check for error, or solid */
  sbIn = readString(fdSocket);

  if (strncmp(sbIn, "ERROR", strlen("ERROR")) == 0) {
    free(sbIn);
    fprintf(stderr, "%s\n", sbIn);
    return (NULL);
  } else {
    free(sbIn);
  }
  /* must be SOLID # */
    sbIn = readString(fdSocket);
  sscanf(sbIn, "%19s", New_Solid->name);
  New_Solid->name[19] = '\0';
  free(sbIn);

  /* read # of vertices,edges,faces,dedges,cycles */
    sbIn = readString(fdSocket);
  sscanf(sbIn, "%d %d %d %d %d", &Num_Vertices, &Num_Edges,
     &Num_Faces, &Num_DEdges, &Num_Cycles);
  free(sbIn);

  printf("#v %d #e %d #f %d #d %d #c %d\n", Num_Vertices,
     Num_Edges, Num_Faces, Num_DEdges, Num_Cycles);
```


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```
  /* read all the solid subcomponents */
  printf("reading vertices\n");
  for (i = 0; i < Num_Vertices; i++) {
    object.vertex = readVertex(fdSocket);
    sprintf(object.vertex->name, "v%d", i);
    AddObjToSolid(&object, VERTEX, New_Solid);
  }

  printf("reading edges\n");
  for (i = 0; i < Num_Edges; i++) {
    object.edge = readEdge(fdSocket);
    /*
     * sprintf(object.edge->name,"e%d",i);
     */
    AddObjToSolid(&object, EDGE, New_Solid);
  }

  printf("reading faces\n");
  for (i = 0; i < Num_Faces; i++) {
    object.face = readFace(fdSocket);
    /*
     * sprintf(object.face->name,"f%d",i);
     */
    AddObjToSolid(&object, FACE, New_Solid);
  }

  printf("reading dedges\n");
  for (i = 0; i < Num_DEdges; i++) {
    object.dEdge = readDEdge(fdSocket);
    sprintf(object.dEdge->name, "de%d", i);
    AddObjToSolid(&object, DEDGE, New_Solid);
  }

  printf("reading cycles\n");
  for (i = 0; i < Num_Cycles; i++) {
    object.cycle = readCycle(fdSocket);
    sprintf(object.cycle->name, "c%d", i);
    AddObjToSolid(&object, CYCLE, New_Solid);
  }

  return (New_Solid);
}

solidData *
readSolidData(fdSocket)
     int             fdSocket;
{
  solidData *pSolid;
  char           *sbIn;

  pSolid = (solidData*)createMem(sizeof(solidData));
```


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```
  sbIn = readString(fdSocket);
  strcpy(pSolid->sbName,sbIn);

  sbIn = readString(fdSocket);
  sscanf(sbIn, "%lu%lu%lu",
     &pSolid->lIdTag,
     &pSolid->lSIdTag,
     &pSolid->lPerms);
  free(sbIn);

  sbIn = readString(fdSocket);
  sscanf(sbIn, "%d%d%d%d",
     &pSolid->dispMode,
     &pSolid->color,
     &pSolid->shade,
     &pSolid->dispInfo);
  free(sbIn);

  pSolid->pSolid = readSolid(fdSocket);

  return pSolid;
}

/*****************************************************************************/
/*
 * createSolid.c - routines related to creating structures
 *
 * createMem( size ) createEntries( size ) createStack( size )
 *
 * createAdjItem() createDEdgeItem() createEqnItem() createCycleItem()
 *
 * createVertex() createEdge() createFace() createDEdge() createCycle()
 * createSolid()
 */
/*****************************************************************************/



/*****************************************************************************/
/* return malloc'ed memory, unless out, then crash                           */
/*****************************************************************************/
char           *
createMem(size)
     unsigned        size;
{
  char           *block;

  if (size <= 0) {
    fprintf(stderr, "createMem()->requested 0 bytes\n");
    return NULL;
  }
  block = malloc(size);
```


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```
  if (block == NULL) {
    fprintf(stderr, "FATAL ERROR -- out of memory in createMem\n");
    exit(1);
  } else {
    memset(block, 0, size);
    return (block);
  }
}

/*****************************************************************************/
/*
 * createEntries - create an array of Stack_Union
 */
/*****************************************************************************/
Stack_Union    *
createEntries(size)
     int             size;
{
  return ((Stack_Union *) createMem(sizeof(Stack_Union) * size));
}

/*****************************************************************************/
/* create a stack with initial size given                                    */
/*****************************************************************************/
Stack          *
createStack(size)
     int             size;
{
  Stack          *new_stack;
  new_stack = (Stack *) createMem(sizeof(Stack));

  new_stack->index = 0;
  new_stack->size = size;
  new_stack->entries = createEntries(size);
  return (new_stack);
}

/*****************************************************************************/
/*
 * createAdjItem()
 */
/*****************************************************************************/
AdjList_Ptr
createAdjItem()
{
  return ((struct AdjList *) createMem(sizeof(struct AdjList)));
}

/*****************************************************************************/
/*
 * createDEdgeItem()
 */
/*****************************************************************************/
```


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```
DEList_Ptr
createDEdgeItem()
{
  return ((struct DEList *) createMem(sizeof(struct DEList)));
}

/*****************************************************************/
/*
 * createEqnItem()
 */
/*****************************************************************/
EQNList_Ptr
createEqnItem()
{
  return ((struct EQNList *) createMem(sizeof(struct EQNList)));
}

/*****************************************************************/
/*
 * createCycleItem()
 */
/*****************************************************************/
CycleList_Ptr
createCycleItem()
{
  return ((struct CycleList *) createMem(sizeof(struct CycleList)));
}

/*****************************************************************/
/*
 * createVertex
 */
/*****************************************************************/
Vertex         *
createVertex()
{
  return ((Vertex *) createMem(sizeof(Vertex)));
}

/*****************************************************************/
/*
 * createEdge
 */
/*****************************************************************/
Edge           *
createEdge()
{
  return ((Edge *) createMem(sizeof(Edge)));
}

/*****************************************************************/
/*
 * createFace
```


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```
 */
/*****************************************************************/
Face           *
createFace()
{
  return ((Face *) createMem(sizeof(Face)));
}

/*****************************************************************/
/*
 * createDEdge
 */
/*****************************************************************/
DEdge          *
createDEdge()
{
  return ((DEdge *) createMem(sizeof(DEdge)));
}

/*****************************************************************/
/*
 * createCycle
 */
/*****************************************************************/
Cycle          *
createCycle()
{
  return ((Cycle *) createMem(sizeof(Cycle)));
}

/*****************************************************************/
/*
 * createSolid
 */
/*****************************************************************/
Solid          *
createSolid()
{
  Solid          *new_solid = (Solid *) createMem(sizeof(Solid));

  new_solid->vertices = createStack(INITIAL_VERTICES);
  new_solid->edges = createStack(INITIAL_EDGES);
  new_solid->faces = createStack(INITIAL_FACES);
  new_solid->dEdges = createStack(INITIAL_DEDGES);
  new_solid->cycles = createStack(INITIAL_CYCLES);
  new_solid->name[0] = '\0';

  return (new_solid);
}

/*****************************************************************/
/*
 * stack.c - routines related to stack manipulation
```


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```
 *
 * ReHashStack( stack ) AddObjToStack( sObject, stack ) AddObjToSolid(
     sObject,
 * Type, Solid )
 */
/*****************************************************************************/

/*****************************************************************************/
/* ReHashStack - make the given stack bigger                                 */
/*****************************************************************************/
ReHashStack(stack)
     Stack_Ptr       stack;
{
  int             i;
  Stack_Union    *new_entries = createEntries(2 * stack->size);

  for (i = 0; i < stack->size; i++)
    new_entries[i] = stack->entries[i];

  stack->size = 2 * stack->size;
  free(stack->entries);
  stack->entries = new_entries;
}

/*****************************************************************************/
/* AddObjToStack - add an object to the given stack                          */
/*****************************************************************************/
AddObjToStack(sObject, kind, stack)
     Stack_Union    *sObject;
     int             kind;
     Stack_Ptr       stack;
{
  switch (kind) {
  case VERTEX:
    stack->entries[stack->index++].vertex = sObject->vertex;
    break;
  case EDGE:
    stack->entries[stack->index++].edge = sObject->edge;
    break;
  case FACE:
    stack->entries[stack->index++].face = sObject->face;
    break;
  case DEDGE:
    stack->entries[stack->index++].dEdge = sObject->dEdge;
    break;
  case CYCLE:
    stack->entries[stack->index++].cycle = sObject->cycle;
    break;
  default:
    fprintf(stderr, "Attempt to AddObjToStack unknown object type #%d\n",
        kind);
    exit(1);
    break;
```


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```
  }

  if ((stack->index + 1) == stack->size)
    ReHashStack(stack);
}

/*****************************************************************************/
/* AddObjToSolid - add an object to the given solid                          */
/*****************************************************************************/
AddObjToSolid(sObject, kind, S)
     Stack_Union    *sObject;
     int             kind;
     Solid_Ptr       S;
{
  switch (kind) {
  case VERTEX:
    AddObjToStack(sObject, kind, S->vertices);
    break;
  case EDGE:
    AddObjToStack(sObject, kind, S->edges);
    break;
  case FACE:
    AddObjToStack(sObject, kind, S->faces);
    break;
  case DEDGE:
    AddObjToStack(sObject, kind, S->dEdges);
    break;
  case CYCLE:
    AddObjToStack(sObject, kind, S->cycles);
    break;
  default:
    fprintf(stderr, "Attempt to AddObjToSolid unknown object type #%d\n",
        kind);
    exit(1);
    break;
  }
}
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>
#include <ctype.h>
#include <shastra/solid/vIndexPolyH.h>
#include <shastra/network/server.h>
#include <shastra/network/mplex.h>
#include <shastra/network/rpc.h>

#define STANDALONEnn

static char         sbOut[5120];

int
vIndexPolyOut(fd, pIPoly)
    int             fd;
vIndexPoly      *pIPoly;
{
    XDR             xdrs;
    int             retVal = 0;

#ifdef STANDALONE
    {
        FILE           *fp;
        fp = stdout /* fdopen(fd,"w") */ ;
        xdrstdio_create(&xdrs, fp, XDR_ENCODE);
        if (!xdr_vIndexPoly(&xdrs, pIPoly)) {
            retVal = -1;
        }
    }
#else               /* STANDALONE */
```


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```
    /*
     * xdrstdio_create(mplexXDRSEnc(fd), mplexOutStream(fd), XDR_ENCODE);
     */
    if (!xdr_vIndexPoly(mplexXDRSEnc(fd), pIPoly)) {
        retVal = -1;
    }
#endif              /* STANDALONE */
    return retVal;
}

int
vIndexPolyIn(fd, pIPoly)
    int             fd;
vIndexPoly      *pIPoly;
{
    XDR             xdrs;
    int             retVal = 0;

    vIndexPolyXDRFree(pIPoly);
#ifdef STANDALONE
    {
        FILE           *fp;
        fp = stdin /* fdopen(fd,"r") */ ;
        xdrstdio_create(&xdrs, fp, XDR_DECODE);
        if (!xdr_vIndexPoly(&xdrs, pIPoly)) {
            retVal = -1;
        }
    }
#else               /* STANDALONE */
    /*
     * xdrstdio_create(mplexXDRSDec(fd), mplexInStream(fd), XDR_DECODE);
     */
    if (!xdr_vIndexPoly(mplexXDRSDec(fd), pIPoly)) {
        retVal = -1;
    }
#endif              /* STANDALONE */
    return retVal;
}



void
inputVIndexPoly(fp, pIPoly)
    FILE           *fp;
vIndexPoly      *pIPoly;
{
    int             i,j;

    fscanf(fp, "%u", &pIPoly->vertices.vertices_len);
    pIPoly->vertices.vertices_val =
        (vIndexPolyVert *) malloc(sizeof(vIndexPolyVert) *
                    pIPoly->vertices.vertices_len);
    for (i = 0; i < pIPoly->vertices.vertices_len; i++) {
```


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```
        fscanf(fp, "%lf%lf%lf",
               &pIPoly->vertices.vertices_val[i][0],
               &pIPoly->vertices.vertices_val[i][1],
               &pIPoly->vertices.vertices_val[i][2]);
    }

    fscanf(fp, "%u", &pIPoly->faces.faces_len);
    pIPoly->faces.faces_val =
        (faceVerts *) malloc(sizeof(faceVerts) *
                     pIPoly->faces.faces_len);
    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        fscanf(fp, "%u", &pIPoly->faces.faces_val[i].faceVerts_len);
        pIPoly->faces.faces_val[i].faceVerts_val =
            (int *) malloc(sizeof(int) *
                   pIPoly->faces.faces_val[i].faceVerts_len);
        for (j = 0; j < pIPoly->faces.faces_val[i].faceVerts_len; j++) {
            fscanf(fp, "%d",
                   &pIPoly->faces.faces_val[i].faceVerts_val[j]);
        }
    }
}

void
outputVIndexPoly(fp, pIPoly)
    FILE           *fp;
vIndexPoly      *pIPoly;
{
    int             i,j;

    fprintf(fp, "%u\n", pIPoly->vertices.vertices_len);
    for (i = 0; i < pIPoly->vertices.vertices_len; i++) {
        fprintf(fp, "%lf %lf %lf\n",
            pIPoly->vertices.vertices_val[i][0],
            pIPoly->vertices.vertices_val[i][1],
            pIPoly->vertices.vertices_val[i][2]);
    }

    fprintf(fp, "%u\n", pIPoly->faces.faces_len);
    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        fprintf(fp, "%u\n", pIPoly->faces.faces_val[i].faceVerts_len);
        for (j = 0; j < pIPoly->faces.faces_val[i].faceVerts_len; j++) {
            fprintf(fp, "%d ",
                pIPoly->faces.faces_val[i].faceVerts_val[j]);
        }
        fprintf(fp, "\n");
    }
}



void
freeVIndexPoly(pIPoly)
vIndexPoly      *pIPoly;
```


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```
{
    int             i;

    free(pIPoly->vertices.vertices_val);

    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        free(pIPoly->faces.faces_val[i].faceVerts_val);
    }
    free(pIPoly->faces.faces_val);
    memset(pIPoly, 0, sizeof(vIndexPoly));
}

vIndexPoly      *
copyVIndexPoly(pIPoly, destpIPoly)
vIndexPoly      *pIPoly;
vIndexPoly      *destpIPoly;
{
vIndexPoly      *newpIPoly;
    int             i;

    if (pIPoly == NULL) {
        return NULL;
    }
    if (destpIPoly == NULL) {
        newpIPoly = (vIndexPoly *) malloc(sizeof(vIndexPoly));
    } else {
        newpIPoly = destpIPoly;
    }

    destpIPoly->vertices.vertices_len = pIPoly->vertices.vertices_len;
    destpIPoly->vertices.vertices_val =
        (vIndexPolyVert *) malloc(sizeof(vIndexPolyVert) *
                    pIPoly->vertices.vertices_len);
    memcpy(destpIPoly->vertices.vertices_val,
            pIPoly->vertices.vertices_val,
          sizeof(vIndexPolyVert) *
          pIPoly->vertices.vertices_len);

    destpIPoly->faces.faces_len = pIPoly->faces.faces_len;
    destpIPoly->faces.faces_val =
        (faceVerts *) malloc(sizeof(faceVerts) *
                    pIPoly->faces.faces_len);
    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        destpIPoly->faces.faces_val[i].faceVerts_len =
            pIPoly->faces.faces_val[i].faceVerts_len;
        destpIPoly->faces.faces_val[i].faceVerts_val =
            (int *) malloc(sizeof(int) *
                  pIPoly->faces.faces_val[i].faceVerts_len);
        memcpy( destpIPoly->faces.faces_val[i].faceVerts_val,
            pIPoly->faces.faces_val[i].faceVerts_val,
            sizeof(int) * pIPoly->faces.faces_val[i].faceVerts_len);
    }
    return destpIPoly;
```


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```
}

void
vIndexPolyXDRFree(pIPoly)
vIndexPoly      *pIPoly;
{
    xdr_free(xdr_vIndexPoly, (char *) pIPoly);
    memset(pIPoly, 0, sizeof(vIndexPoly));
}




vIndexPoly      *
inputVIndexPolyString(fd)
    int             fd;
{
vIndexPoly      *pIPoly;
    int             i,j;
    char *sbIn;

    pIPoly = (vIndexPoly*)malloc(sizeof(vIndexPoly));
    memset(pIPoly, 0,sizeof(vIndexPoly));
    sbIn = cmReceiveString(fd);
    sscanf(sbIn, "%u", &pIPoly->vertices.vertices_len);
    free(sbIn);
    pIPoly->vertices.vertices_val =
        (vIndexPolyVert *) malloc(sizeof(vIndexPolyVert) *
                    pIPoly->vertices.vertices_len);
    for (i = 0; i < pIPoly->vertices.vertices_len; i++) {
        sbIn = cmReceiveString(fd);
        sscanf(sbIn, "%lf%lf%lf",
               &pIPoly->vertices.vertices_val[i][0],
               &pIPoly->vertices.vertices_val[i][1],
               &pIPoly->vertices.vertices_val[i][2]);
        free(sbIn);
    }

    sbIn = cmReceiveString(fd);
    sscanf(sbIn, "%u", &pIPoly->faces.faces_len);
    free(sbIn);
    pIPoly->faces.faces_val =
        (faceVerts *) malloc(sizeof(faceVerts) *
                    pIPoly->faces.faces_len);
    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        char *iptr;
        sbIn = cmReceiveString(fd);
        sscanf(sbIn, "%u", &pIPoly->faces.faces_val[i].faceVerts_len);
        free(sbIn);
        pIPoly->faces.faces_val[i].faceVerts_val =
            (int *) malloc(sizeof(int) *
                  pIPoly->faces.faces_val[i].faceVerts_len);
```


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```
        iptr = sbIn = cmReceiveString(fd);
        for (j = 0; j < pIPoly->faces.faces_val[i].faceVerts_len; j++) {
            while((!isdigit(*iptr)) && (*iptr!='-')){
                iptr++/*skip nonnumerics*/;
            }
            sscanf(iptr, "%d",
                   &pIPoly->faces.faces_val[i].faceVerts_val[j]);
            if(*iptr == '-'){
                iptr++;
            }
            while(isdigit(*iptr))iptr++/*skip numerics*/;
        }
        free(sbIn);
    }
    return pIPoly;
}

void
outputVIndexPolyString(fd, pIPoly)
    int     fd;
vIndexPoly      *pIPoly;
{
    int             i,j;

    sprintf(sbOut, "%u\n", pIPoly->vertices.vertices_len);
    cmSendString(fd,sbOut);
    for (i = 0; i < pIPoly->vertices.vertices_len; i++) {
        sprintf(sbOut, "%lf %lf %lf\n",
            pIPoly->vertices.vertices_val[i][0],
            pIPoly->vertices.vertices_val[i][1],
            pIPoly->vertices.vertices_val[i][2]);
        cmSendString(fd,sbOut);
    }

    sprintf(sbOut, "%u\n", pIPoly->faces.faces_len);
    cmSendString(fd,sbOut);
    for (i = 0; i < pIPoly->faces.faces_len; i++) {
        char *optr;
        sprintf(sbOut, "%u\n", pIPoly->faces.faces_val[i].faceVerts_len);
        cmSendString(fd,sbOut);
        optr = sbOut;
        for (j = 0; j < pIPoly->faces.faces_val[i].faceVerts_len; j++) {
            sprintf(optr, "%d ",
                pIPoly->faces.faces_val[i].faceVerts_val[j]);
            optr += strlen(optr);
        }
        sprintf(optr, "\n");
        cmSendString(fd,sbOut);
    }
}
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2107

```
#ifdef STANDALONE
main(argc, argv)
#else                /* STANDALONE */
vIndexPolyMain(argc, argv)
#endif               /* STANDALONE */
    int              argc;
    char           **argv;
{
vIndexPoly sIPoly;
vIndexPoly       cpIPoly;

    switch (argc) {
    case 1:     /* receive sId */
    vIndexPolyIn(0 /* stdin */ , &sIPoly);
        outputVIndexPoly(stdout, &sIPoly);
        cpIPoly = sIPoly;
        outputVIndexPoly(stdout, &cpIPoly);

        break;
    case 2:     /* receive sId */
        inputVIndexPoly(stdin, &sIPoly);
#ifdef DEBUG
        outputVIndexPoly(stderr, &sIPoly);
#endif
    vIndexPolyOut(1 /* stdout */ , &sIPoly);

        break;
    }

}
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2108

```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/*
 * write.c - output functions for the network interface
 *
 * writeString()
 *
 * writeIndex( iptr ) writeAdjItem( aptr ) writeEqn(eptr)
 *
 * writeVertex( vptr) writeDEdge(deptr) writeEdge(eptr) writeCycle(cptr)
 * writeFace(fptr) writeSolid(sptr)
 *
 */


#include <stdio.h>

#include <shastra/shilp.h>
#include <poly/poly.h>
#include <poly/polymath.h>
#include <shastra/solid/datadefs.h>
#include <shastra/solid/edgetypes.h>
#include <shastra/solid/eqntypes.h>
#include <shastra/solid/bern.h>

#include <shastra/solid/writeSolid.h>

static char         sbOut[5120];
char           *sbVarNames[] = {"X", "Y", "Z"};
int             iVarCount = 3;
/* implicit power equations will always be in x,y & z */
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2109

```
/*
 * writeString(fdSocket, s ) - write string
 */
void
writeString(fdSocket, s)
    int fdSocket;
    char           *s;
{
    cmSendString(fdSocket, s);
}

/*
 * writeStrings(fdSocket,n,strs) - strs n strings given n, char ** array
 */
void
writeStrings(fdSocket,number,names)
int fdSocket;
int number;
char**names;
{
    int             i;
    int len;

    sprintf( sbOut ,"%d", number);
    writeString(fdSocket,sbOut);

    if(number <= 0){
        return ;
    }
    for (i = 0; i < number; i++) {
    sprintf( sbOut ,"%s", names[i]);
    writeString(fdSocket,sbOut);
    }

    return ;

}               /* end readStrings */
/*
 * writeIndex(fdSocket, iptr ) - write an index from iptr
 */
void
writeIndex(fdSocket, iptr)
    int fdSocket;
    Index_Ptr       iptr;
{
    char            c;

    switch (iptr->object) {
    case VERTEX:
        c = 'V';
        break;
    case EDGE:
```


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```
        c = 'E';
        break;
    case FACE:
        c = 'F';
        break;
    case DEDGE:
        c = 'D';
        break;
    case CYCLE:
        c = 'C';
        break;
    default:
        fprintf(stderr, "ERROR:Unexpected type %d in writeIndex\n",
            iptr->object);
        break;
    }

    sprintf(sbOut, "%d %c %d\n", iptr->solid, c, iptr->index);
    writeString(fdSocket,sbOut);
#if DEBUG
    printf("writeIndex: %d %c %d", iptr->solid, c, iptr->index);
#endif
}

/*
 * writeAdjItem( fdSocket, aptr ) -
 */
void
writeAdjItem(fdSocket, aptr)
    int fdSocket;
    AdjList_Ptr     aptr;
{
    writeIndex(fdSocket, &aptr->face);
    writeIndex(fdSocket, &aptr->dEIn);
    writeIndex(fdSocket, &aptr->dEOut);
}
/*
 * writeEqn(fdSocket, New_Eqn) -
 */
void
writeEqn(int fdSocket, Poly New_Eqn)
{
    char *sbEqn;

    sbEqn = UnParse(New_Eqn);
    sprintf(sbOut, "%s\n", sbEqn);
    writeString(fdSocket,sbOut);
}

/*
 * writeBernPar( fdSocket, BernPar_Ptr) - write bernstein-parametric eqn
 */
void
```


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```
writeBernPar(fdSocket, eqn)
    int fdSocket;
    BernPar_Ptr eqn;
{
int i;
            sprintf(sbOut, "%d\n", eqn->degree);
            writeString(fdSocket,sbOut);

            if(eqn->degree <= 0){
                return ;
            }
            for (i = 0; i <= eqn->degree; i++) {
                sprintf(sbOut, "%lf %lf %lf\n",
                       eqn->coeffs[i][0],
                       eqn->coeffs[i][1],
                       eqn->coeffs[i][2]);
                writeString(fdSocket,sbOut);
            }
            return ;
}
/*
 * writeBernParQuad( fdSocket, eqn) - write bernstein-parametric quad
 */
void
writeBernParQuad(fdSocket, eqn)
    int fdSocket;
    BernParQuad_Ptr eqn;
{
int i;
            sprintf(sbOut, "%d\n", eqn->degree);
            writeString(fdSocket,sbOut);

            if(eqn->degree <= 0){
                return ;
            }
            for (i = 0; i <= eqn->degree; i++) {
                sprintf(sbOut, "%lf %lf %lf\n",
                       eqn->coeff1[i][0],
                       eqn->coeff1[i][1],
                       eqn->coeff1[i][2]);
                writeString(fdSocket,sbOut);
            }
            for (i = 0; i <= eqn->degree; i++) {
                sprintf(sbOut, "%lf %lf %lf\n",
                       eqn->coeff2[i][0],
                       eqn->coeff2[i][1],
                       eqn->coeff2[i][2]);
                writeString(fdSocket,sbOut);
            }
            return ;
}
/*
 * writeBernTensor( fdSocket, eqn) - write bernstein-tensor eqn
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2112

```
 */
void
writeBernTensor(fdSocket, eqn)
    int fdSocket;
    BernTensor_Ptr eqn;
{
int i;
            sprintf(sbOut, "%d\n", eqn->degree);
            writeString(fdSocket,sbOut);

            if(eqn->degree <= 0){
                return ;
            }
            for (i = 0; i <= eqn->degree; i++) {
                sprintf(sbOut, "%lf %lf %lf\n",
                       eqn->coeff1[i][0],
                       eqn->coeff1[i][1],
                       eqn->coeff1[i][2]);
                writeString(fdSocket,sbOut);
            }
            for (i = 0; i <= eqn->degree; i++) {
                sprintf(sbOut, "%lf %lf %lf\n",
                       eqn->coeff2[i][0],
                       eqn->coeff2[i][1],
                       eqn->coeff2[i][2]);
                writeString(fdSocket,sbOut);
            }
            sprintf(sbOut, "%lf %lf %lf\n",
                   eqn->tangent[0],
                   eqn->tangent[1],
                   eqn->tangent[2]);
            return ;
}
/*
 * writeVertex(fdSocket) -
 */
void
writeVertex(fdSocket, New_Vertex)
    int fdSocket;
    Vertex_Ptr      New_Vertex;
{
    AdjList_Ptr     last_adj;
    int             i, num_adj;

    /* write in the point value */
    sprintf(sbOut, "%lf %lf %lf\n",
        New_Vertex->point[0],
        New_Vertex->point[1],
        New_Vertex->point[2]);
    writeString(fdSocket,sbOut);

    /* write adjacencies */
    for (num_adj = 0, last_adj = New_Vertex->adjacencies;
```


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```
          last_adj != NULL;
          num_adj++, last_adj = last_adj->next) {
    }
    sprintf(sbOut, "%d\n", num_adj);
    writeString(fdSocket,sbOut);

    for (last_adj = New_Vertex->adjacencies;
          last_adj != NULL;
          last_adj = last_adj->next) {
        writeAdjItem(fdSocket, last_adj);
    }

}

/*
 * writeDEdge(fdSocket) -
 */
void
writeDEdge(fdSocket, New_DEdge)
    int fdSocket;
    DEdge_Ptr       New_DEdge;
{

    writeIndex(fdSocket, &New_DEdge->cycle);

    sprintf(sbOut, "%d\n", New_DEdge->rightOrientation);
    writeString(fdSocket,sbOut);

    writeIndex(fdSocket, &New_DEdge->edge);
    writeIndex(fdSocket, &New_DEdge->nextDE);

}

/*
 * writeEdge(fdSocket) -
 *
 */
void
writeEdge(fdSocket, New_Edge)
    int fdSocket;
    Edge_Ptr        New_Edge;
{
    DEList_Ptr      last_de;
    char            temp_string[80];
    int             i, num_des;

    /* write edge name */
    sprintf(sbOut, "%s\n", New_Edge->name);
    writeString(fdSocket,sbOut);

    /* write vertex1 & vertex2 indices */
    writeIndex(fdSocket, &New_Edge->vertex1);
    writeIndex(fdSocket, &New_Edge->vertex2);
```


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```
/* write edge type */
switch (New_Edge->type) {
case LINEAR:
    sprintf(sbOut, "%s\n", "LINEAR");
    break;
case BERNSTEIN_PARAMETRIC:
    sprintf(sbOut, "%s\n", "BERNSTEIN-PARAMETRIC");
    break;
case BERNSTEIN_TENSOR_EDGE:
    sprintf(sbOut, "%s\n", "BERNSTEIN-TENSOR");
    break;
case UNKNOWN:
    sprintf(sbOut, "%s\n", "UNKNOWN");
    break;
default:
    sprintf(sbOut, "%s\n", "ERROR_EDGE_TYPE");
    fprintf(stderr, "Unknown edge type in writeEdge\n");
    exit(1);
}
writeString(fdSocket,sbOut);

/* write tangents */
sprintf(sbOut, "%lf %lf %lf\n", New_Edge->tan12[0],
    New_Edge->tan12[1], New_Edge->tan12[2]);
writeString(fdSocket,sbOut);

sprintf(sbOut, "%lf %lf %lf\n", New_Edge->tan21[0],
    New_Edge->tan21[1], New_Edge->tan21[2]);
writeString(fdSocket,sbOut);

/* write directed edges */
for (num_des = 0, last_de = New_Edge->dEdges;
     last_de != NULL;
     num_des++, last_de = last_de->next) {
}
sprintf(sbOut, "%d\n", num_des);
writeString(fdSocket,sbOut);

for (last_de = New_Edge->dEdges;
     last_de != NULL;
     last_de = last_de->next) {
    writeIndex(fdSocket, &last_de->dEdge);
}

/* write aux eqn */
if (New_Edge->aux_Eqn != NULL) {
    sprintf(sbOut, "%s\n", "AUX_EQN");
    writeString(fdSocket,sbOut);
    sprintf(sbOut, "%s\n", "IMPLICIT");
    writeString(fdSocket,sbOut);
    writeEqn(fdSocket, New_Edge->aux_Eqn);
} else {
```


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```
        sprintf(sbOut, "%s\n", "NO_AUX_EQN");
        writeString(fdSocket,sbOut);
    }

    /* write bern eqn */
    if ((New_Edge->eqn != NULL) && ( New_Edge->eqn->degree > 0)) {
        sprintf(sbOut, "EQNS\n");
        writeString(fdSocket,sbOut);
        sprintf(sbOut, "BERNSTEIN-PARAMETRIC\n");
        writeString(fdSocket,sbOut);
        writeBernPar(fdSocket,New_Edge->eqn);
    } else {
        sprintf(sbOut, "%s\n", "NO_EQNS");
        writeString(fdSocket,sbOut);
    }

}

/*
 * writeCycle(fdSocket) -
 */
void
writeCycle(fdSocket, New_Cycle)
    int fdSocket;
    Cycle_Ptr       New_Cycle;
{

    writeIndex(fdSocket, &New_Cycle->face);
    writeIndex(fdSocket, &New_Cycle->dEdge);
}

/*
 * writeFace(fdSocket, New_Face) -
 */
void
writeFace(fdSocket, New_Face)
    int fdSocket;
    Face_Ptr        New_Face;
{
    EQNList_Ptr     last_eqn, next_eqn;
    CycleList_Ptr   last_cycle;
    int             i, num_cycles;
    char           *b;

    /* write name */
    sprintf(sbOut, "%s\n", New_Face->name);
    writeString(fdSocket,sbOut);

    /* write equation */
    switch (New_Face->type) {
    case IMPLICIT:
        sprintf(sbOut, "IMPLICIT\n");
        writeString(fdSocket,sbOut);
```


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```
        writeEqn(fdSocket, New_Face->equation);
        break;
    case BERNSTEIN_PARAMETRIC_QUAD:
        sprintf(sbOut, "BERNSTEIN_PARAMETRIC_QUAD\n");
        writeString(fdSocket,sbOut);
        /* write it out */
        writeBernParQuad(fdSocket,New_Face->bernQuad);
        break;
    case BERNSTEIN_TENSOR:
        sprintf(sbOut, "BERNSTEIN_TENSOR\n");
        writeString(fdSocket,sbOut);
        /* write it out */
        writeBernTensor(fdSocket,New_Face->bernTens);
        break;
    default:
        break;
    }

    /* write the (three) normal equations */
    writeEqn(fdSocket, New_Face->normal->eQN);
    writeEqn(fdSocket, New_Face->normal->next->eQN);
    writeEqn(fdSocket, New_Face->normal->next->next->eQN);

    /* write in the cycles */
    for (num_cycles = 0, last_cycle = New_Face->cycles;
         last_cycle != NULL;
         num_cycles++, last_cycle = last_cycle->next) {
    }
    sprintf(sbOut, "%d\n", num_cycles);
    writeString(fdSocket,sbOut);

    for (last_cycle = New_Face->cycles;
         last_cycle != NULL;
         last_cycle = last_cycle->next) {
        writeIndex(fdSocket, &last_cycle->cycle);
    }
}

/*
 * writeSolid(fdSocket) -
 *
 */
void
writeSolid(fdSocket, New_Solid)
    int fdSocket;
    Solid_Ptr       New_Solid;
{
    int             i;
    int             Num_Vertices, Num_Edges, Num_Faces, Num_DEdges,
                    Num_Cycles;

    if (New_Solid == NULL) {
        fprintf(stderr, "writeSolid(): Can't write NULL solid!\n");
```


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```
        return;
    }
    Num_Vertices = New_Solid->vertices->index,
        Num_Edges = New_Solid->edges->index,
        Num_Faces = New_Solid->faces->index,
        Num_DEdges = New_Solid->dEdges->index,
        Num_Cycles = New_Solid->cycles->index;

    sprintf(sbOut, "SOLID %d\n", 1);
    writeString(fdSocket,sbOut);

    sprintf(sbOut, "%s\n", New_Solid->name);
    writeString(fdSocket,sbOut);

    /* write # of vertices,edges,faces,dedges,cycles */
    sprintf(sbOut, "%d %d %d %d %d\n", Num_Vertices, Num_Edges,
        Num_Faces, Num_DEdges, Num_Cycles);
    writeString(fdSocket,sbOut);

    /* write all the solid subcomponents */
    for (i = 0; i < Num_Vertices; i++) {
        writeVertex(fdSocket, New_Solid->vertices->entries[i].vertex);
    }

    for (i = 0; i < Num_Edges; i++) {
        writeEdge(fdSocket, New_Solid->edges->entries[i].edge);
    }

    for (i = 0; i < Num_Faces; i++) {
        writeFace(fdSocket, New_Solid->faces->entries[i].face);
    }

    for (i = 0; i < Num_DEdges; i++) {
        writeDEdge(fdSocket, New_Solid->dEdges->entries[i].dEdge);
    }

    for (i = 0; i < Num_Cycles; i++) {
        writeCycle(fdSocket, New_Solid->cycles->entries[i].cycle);
    }

    /*
    fflush(fdSocket);
    */
    return;
}

void
writeSolidData(fdSocket, pSolid)
    int             fdSocket;
    solidData *pSolid;
{

    sprintf( sbOut ,"%s", pSolid->sbName);
```


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```
    writeString(fdSocket,sbOut);

    sprintf(sbOut, "%lu %lu %lu",
        pSolid->lIdTag,
        pSolid->lSIdTag,
        pSolid->lPerms);
    writeString(fdSocket,sbOut);

    sprintf(sbOut, "%d %d %d %d",
        pSolid->dispMode,
        pSolid->color,
        pSolid->shade,
        pSolid->dispInfo);
    writeString(fdSocket,sbOut);

    writeSolid(fdSocket, pSolid->pSolid);
    return;
}
/*************************************************************************/
/*
 * Print_Expr2Str  -- prints an expression as a list of terms
 */
/*************************************************************************/
void
Print_Expr2Str(termlist, str, fWantZeros)
    TermList        termlist;
    char           *str;
    int             fWantZeros;
{
    TermList        temp = termlist;
    int             i;
    int             fAny;
    int             fPrevTerm;

    if (temp == NULL) {
        sprintf(str, "(null)\n");
    }
    fAny = 0;
    fPrevTerm = 0;
    while (temp != NULL) {
        /* print the coefficient, and then the terms */
        if (temp->term.coeff == 0.0) {
            temp = temp->next;
            continue;
        }
        if (fPrevTerm) {
            sprintf(str, " + ");
            str += strlen(str);
        }
        /* print the coefficient */
        sprintf(str, "%10f ", temp->term.coeff);
        str += strlen(str);
        fAny = 1;
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2119

```
        fPrevTerm = 1;

        for (i = 0; i < iVarCount; i++) {
            if (fWantZeros || (temp->term.exponents[i] != 0)) {
                sprintf(str, " * %s^%d ", sbVarNames[i],
                    temp->term.exponents[i]);
                str += strlen(str);
            }
        }
        temp = temp->next;
    }
    if (!fAny) {
        sprintf(str, "0.0");
        str += strlen(str);
    }
}
/*****************************************************************************/
/*
 * Print_Expr2File  -- prints an expression as a list of terms
 */
/*****************************************************************************/
void
Print_Expr2File(file, termlist, fWantZeros)
    FILE *file;
    TermList        termlist;
    int             fWantZeros;
{
    TermList        temp = termlist;
    int             i;
    int             fAny;
    int             fPrevTerm;

    if (temp == NULL) {
        fprintf(file, "(null)\n");
    }
    fAny = 0;
    fPrevTerm = 0;
    while (temp != NULL) {
        /* print the coefficient, and then the terms */
        if (temp->term.coeff == 0.0) {
            temp = temp->next;
            continue;
        }
        if (fPrevTerm) {
            fprintf(file, " + ");
        }
        /* print the coefficient */
        fprintf(file, "%10f ", temp->term.coeff);
        fAny = 1;
        fPrevTerm = 1;

        for (i = 0; i < iVarCount; i++) {
            if (fWantZeros || (temp->term.exponents[i] != 0)) {
```


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```
                fprintf(file, " * %s^%d ", sbVarNames[i],
                    temp->term.exponents[i]);
            }
        }
        temp = temp->next;
    }
    if (!fAny) {
        fprintf(file, "0.0");
    }
}
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2121

```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
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    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>

#include <shastra/shilp.h>

/*command line argument processing utility */

usage(argc,argv,argvHelp)
int argc;
char *argv[];
char *argvHelp[];
{
    int i;

    fprintf(stderr, "usage: %s [options]\n", argv[0]);
    fprintf(stderr, "  where options are:\n");
    for(i=0;arvgHelp[i]!=NULL;i++){
        fprintf(stderr, "%s\n", argvHelp[i]);
    }
}

cmdLineOpts(argc,argv)
int argc;
char *argv[];
{
int i;
    for (i = 1; i < argc; i++) {
        if (!strcmp ("-display", argv[i]) || !strcmp ("-d", argv[i])) {
            if (++i>=argc) usage ();
            display_name = argv[i];
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2122

```
            continue;
        }
        if (!strcmp("-help", argv[i])) {
            usage();
        }
    /*etc..*/
    usage();
    }

}
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
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/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>
#include <sys/types.h>
#include <sys/dir.h>

#include <shastra/utils/directory.h>
#define NOT_FOUND -1
#define DEBUG
#define STANDALONEnn

int
locateNameInDir(name, dirname)
    char           *name, *dirname;
{
    DIR            *dirp;
    struct direct  *dp;
    int             len;
    int             found = 0;
    len = strlen(name);
    if ((dirp = opendir(dirname)) == NULL) {
        fprintf(stderr, "locateNameInDir()-> Couldn't open directory %s\n",
            dirname);
        return NOT_FOUND;
    }
    for (dp = readdir(dirp), found = 0; dp != NULL;
         dp = readdir(dirp), found++)
        if (dp->d_namlen == len && !strcmp(dp->d_name, name)) {
            closedir(dirp);
            return found;
        }
```


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```
    closedir(dirp);
    return NOT_FOUND;

}

int
forAllFilesInDir(dirname, doit)
    char           *dirname;
    void             (*doit) ();
{
    DIR            *dirp;
    struct direct  *dp;
    if ((dirp = opendir(dirname)) == NULL) {
        fprintf(stderr, "forAllFilesInDir()-> Couldn't open dir %s\n",
            dirname);
        return NOT_FOUND;
    }
        for (dp = readdir(dirp); dp != NULL;
             dp = readdir(dirp)) {
            doit(dp->d_name, dirname);
        }
    closedir(dirp);
    return 0;

}

void
dumdoit(str, n)
    char           *str;
    int             n;
{
    printf("%s ", str);
}

#ifdef STANDALONE
main(argc, argv, envp)
    int             argc;
    char          **argv, **envp;
{
    int             found;

    if (argc != 2) {
        fprintf(stderr,"bad usage.. %s name\n", argv[0]);
        exit(1);
    };
    if (argc == 2) {
        found = locateNameInDir(argv[1], ".");
        if(found != NOT_FOUND){
        printf("Found %s in %s at %d'th position\n", argv[1], ".", found);
        }
        else{
        printf("Couldn't find %s in %s\n", argv[1], ".", found);
        }
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2125

```
        }

        forAllFilesInDir(".", dumdoit);

    }
    #endif /*STANDALONE*/
```


Petitioner Microsoft Corporation, Ex. 1002, p. 2126

```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
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    **/
/** a person to person basis, solely for educational use and permission is
    **/
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/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>

#include <shastra/shilp.h>
#include <shastra/utils/dllist.h>

extern          free();

int
dllistCheckGood(adllist)
    struct dllist    *adllist;
{
    int             baddllist = 1;

    if (adllist == NULL) {
        fprintf(stderr, "BadArgs to dllistCheckGood)\n");
        return (0);
    }
    if (adllist->head == NULL) {
        if (adllist->tail == NULL) {
            if (adllist->dllist_count != 0) {
                baddllist = 0;
            }
        } else {
            baddllist = 0;
        }
    } else {
        if (adllist->tail == NULL) {
            baddllist = 0;
        }
```


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```
        }
        if (!baddllist) {
            return 0;
        } else {
            return dllistCheckCount(adllist);
        }
    }

    int
    dllistCheckCount(adllist)
        struct dllist    *adllist;
    {
        struct dllist_node *tmpnode;
        int             fcount;
        int             bcount;

        if (adllist == NULL) {
            fprintf(stderr, "BadArgs to dllistCheckCount()\n");
            return (0);
        }
        fcount = 0;
        for (tmpnode = adllist->head; tmpnode != NULL; tmpnode = tmpnode->next)
            {
            fcount++;
        }
        bcount = 0;
        for (tmpnode = adllist->tail; tmpnode != NULL; tmpnode = tmpnode->prev)
            {
            bcount++;
        }
        return ((fcount == adllist->dllist_count) &&
            (bcount == fcount));
    }

    int
    dllistCheckNode(adllist, node)
        struct dllist    *adllist;
        struct dllist_node *node;
    {
        struct dllist_node *tmpnode;

        if ((adllist == NULL) || (node == NULL)) {
            fprintf(stderr, "BadArgs to dllistCheckNode()\n");
            return (0);
        }
        for (tmpnode = adllist->head; tmpnode != NULL; tmpnode = tmpnode->next)
            {
            if (tmpnode == node)
                return (1);
        }
        return (0);
    }
```


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```
struct dllist    *
dllistMakeNew()
{
    struct dllist    *new;

    new = (struct dllist *) malloc(sizeof(struct dllist));
    memset((char *) new, 0, sizeof(struct dllist));
    return (new);
}

struct dllist_node *
dllistMakeNewNode()
{
    struct dllist_node *new;

    new = (struct dllist_node *) malloc(sizeof(struct dllist_node));
    memset((char *) new, 0, sizeof(struct dllist_node));
    return (new);
}

void
dllistDestroy(adllist,fDestroyData)
    struct dllist    *adllist;
    int     fDestroyData;
{
    struct dllist_node *node, *nextNode;
    if (adllist == NULL) {
        fprintf(stderr, "BadArgs to dllistDestroy()\n");
        return;
    }
    /*
     * map (adllist, free);
     */
    for (node = adllist->head; node != NULL; ) {
        nextNode = node->next;
        if(fDestroyData) free(node->data);
        free(node);
        node = nextNode;
    }
    free(adllist);
    return;
}

void
dllistDestroyElements(adllist,fDestroyData)
    struct dllist    *adllist;
    int     fDestroyData;
{
    struct dllist_node *node, *nextNode;
    if (adllist == NULL) {
        fprintf(stderr, "BadArgs to dllistDestroyElements()\n");
        return;
    }
```


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```
    for (node = adllist->head; node != NULL; ) {
        nextNode = node->next;
        if(fDestroyData) free(node->data);
        free(node);
        node = nextNode;
    }
    memset(adllist, 0, sizeof(struct dllist ));
    return;
}
void
dllistDestroyTail(adllist,aNode,fDestroyData)
    struct dllist    *adllist;
    struct dllist_node *aNode;
    int     fDestroyData;
{
    struct dllist_node *node, *nextNode;
    int i;
    if ((adllist == NULL) || (aNode == NULL )){
        fprintf(stderr, "BadArgs to dllistDestroyTail()\n");
        return;
    }
    for (node = aNode->next, i=0; node != NULL; i++) {
        nextNode = node->next;
        if(fDestroyData) free(node->data);
        free(node);
        node = nextNode;
    }
    adllist->dllist_count -= i;
    adllist->tail = aNode;
    return;
}
void
dllistInsertAtHead(adllist, node)
    struct dllist    *adllist;
    struct dllist_node *node;
{
    if ((adllist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to dllistInsertAtHead()\n");
        return;
    }
    if (adllist->tail == NULL) {
        adllist->tail = node;
    }
    if(adllist->head != NULL){
    adllist->head->prev = node;
    }
    node->next = adllist->head;
    adllist->head = node;
    node->prev = NULL;
    adllist->dllist_count++;
    return;

}
```


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```
void
dllistInsertAtTail(adllist, node)
    struct dllist    *adllist;
    struct dllist_node *node;
{
    if ((adllist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to dllistInsertAtTail()\n");
        return;
    }
    if (adllist->head == NULL) {
        adllist->head = node;
    } else {
        adllist->tail->next = node;
    }
    node->next = NULL;
    node->prev = adllist->tail;
    adllist->tail = node;
    adllist->dllist_count++;
    return;

}

void
dllistInsertAfter(adllist, old, new)
    struct dllist    *adllist;
    struct dllist_node *old, *new;
{
    if ((adllist == NULL) || (old == NULL) || (new == NULL)) {
        fprintf(stderr, "BadArgs to dllistInsertAfter()\n");
        return;
    }
#ifdef CHECK_NODE
    if (!dllistCheckNode(adllist, node)) {
        fprintf(stderr, "node %ld not on dllist %ld\n", node, adllist);
        return;
    }
#endif              /* CHECK_NODE */
    adllist->dllist_count++;
    if (adllist->tail == old) {
        adllist->tail = new;
    }
    new->next = old->next;
    if(old->next){
        old->next->prev = new;
    }
    old->next = new;
    new->prev = old;
    return;
}


void
```


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```
dllistInsertBefore(adllist, old, new)
    struct dllist    *adllist;
    struct dllist_node *old, *new;
{
    if ((adllist == NULL) || (old == NULL) || (new == NULL)) {
        fprintf(stderr, "BadArgs to dllistInsertBefore()\n");
        return;
    }
#ifdef CHECK_NODE
    if (!dllistCheckNode(adllist, node)) {
        fprintf(stderr, "node %ld not on dllist %ld\n", node, adllist);
        return;
    }
#endif              /* CHECK_NODE */
    adllist->dllist_count++;
    if (adllist->head == old) {
        adllist->head = new;
    }
    new->prev = old->prev;
    if(old->prev){
        old->prev->next = new;
    }
    old->prev = new;
    new->next = old;
    return;
}
void
dllistDeleteThis(adllist, node)
    struct dllist    *adllist;
    struct dllist_node *node;
{
    struct dllist_node *tmpnode;
    if ((adllist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to dllistDeleteThis()\n");
        return;
    }
#ifdef CHECK_NODE
    if (!dllistCheckNode(adllist, node)) {
        fprintf(stderr, "node %ld not on dllist %ld\n", node, adllist);
        return;
    }
#endif              /* CHECK_NODE */
    adllist->dllist_count--;
    if (node == adllist->head) {
        adllist->head = node->next;
    }
    if (node == adllist->tail) {
        adllist->tail = node->prev;
    }
    if(node->prev != NULL){
        node->prev->next = node->next;
    }
    if(node->next != NULL){
```


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```
        node->next->prev = node->prev;
    }
    /*free (node); *//* caller frees when he wants */
    return;
}

void
dllistMap(adllist, func, arg1, arg2)
    struct dllist    *adllist;
    void            (*func) ();
char           *arg1, *arg2;    /* space for args to func */
{
    struct dllist_node *node;
    if (adllist == NULL) {
        fprintf(stderr, "BadArgs to map()\n");
        return;
    }
    for (node = adllist->head; node != NULL; node = node->next) {
        func(node->data, arg1, arg2);
    }

}

void
dllistMapReverse(adllist, func, arg1, arg2)
    struct dllist    *adllist;
    void            (*func) ();
char           *arg1, *arg2;    /* space for args to func */
{
    struct dllist_node *node;
    if (adllist == NULL) {
        fprintf(stderr, "BadArgs to map()\n");
        return;
    }
    for (node = adllist->tail; node != NULL; node = node->prev) {
        func(node->data, arg1, arg2);
    }

}

void
dllistAppend(adllist, bdllist)  /* destructive append */
    struct dllist    *adllist, *bdllist;
{
    if ((adllist == NULL) || (bdllist == NULL)) {
        fprintf(stderr, "BadArgs to dllistAppend()\n");
        return;
    }
    if (adllist->tail == NULL) {
        memcpy(adllist, bdllist, sizeof(struct dllist));
    } else if (adllist->tail == NULL) {
    /*adllist is the result*/
    } else {
```


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```
        adllist->tail->next = bdllist->head;
        bdllist->head->prev = adllist->tail;
        adllist->tail = bdllist->tail;
        adllist->dllist_count += bdllist->dllist_count;
    }
    memset(bdllist, 0, sizeof(struct dllist)); /* destruction */
    return;
}

void
dllistAfterInsertdlList(adllist, bdllist, node) /* destructive */
    struct dllist    *adllist, *bdllist;
    struct dllist_node *node;
{
    /* since node is on adllist, adllist->head won't be null */
    if ((adllist == NULL) || (bdllist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to dllistAfterInsertdlList()\n");
        return;
    }
#ifdef CHECK_NODE
    if (!dllistCheckNode(adllist, node)) {
        fprintf(stderr, "node %ld not on dllist %ld\n", node, adllist);
        return;
    }
#endif              /* CHECK_NODE */
    if ((bdllist->head == NULL) || (bdllist->tail == NULL)) {
        memset(bdllist, 0, sizeof(struct dllist));
        return;     /* nothing changes */
    }
    adllist->dllist_count += bdllist->dllist_count;
    if (adllist->tail == node) {
        adllist->tail = bdllist->tail;
    }
    bdllist->tail->next = node->next;
    bdllist->head->prev = node;
    node->next = bdllist->head;
    return;
}

void
dllistBeforeInsertdlList(adllist, bdllist, node)    /* destructive */
    struct dllist    *adllist, *bdllist;
    struct dllist_node *node;
{
    /* since node is on adllist, adllist->head won't be null */
    if ((adllist == NULL) || (bdllist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to dllistBeforeInsertdlList()\n");
        return;
    }
#ifdef CHECK_NODE
    if (!dllistCheckNode(adllist, node)) {
        fprintf(stderr, "node %ld not on dllist %ld\n", node, adllist);
        return;
```


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```
    }
#endif              /* CHECK_NODE */
    if ((bdllist->head == NULL) || (bdllist->tail == NULL)) {
        memset(bdllist, 0, sizeof(struct dllist));
        return;     /* nothing changes */
    }
    adllist->dllist_count += bdllist->dllist_count;
    if (adllist->head == node) {
        adllist->head = bdllist->head;
    }
    bdllist->head->prev = node->prev;
    bdllist->tail->next = node;
    node->prev = bdllist->tail;
    return;
}

struct dllist_node
*dllistGetNthNode(adllist, n)
    struct dllist    *adllist;
    int n;
{
    int i;
    struct dllist_node  *node;

    if (adllist == NULL){
        fprintf(stderr, "BadArgs to dllistGetNthNode()\n");
        return NULL;
    }
    if ((n < 0) || (n > adllist->dllist_count)){
        return NULL;
    }
    else{
    for(i=0,node=adllist->head;i<n;i++,node=node->next){
    }
    return node;
    }
}

struct dllist_node
*dllistGetRevNthNode(adllist, n)
    struct dllist    *adllist;
    int n;
{
    int i;
    struct dllist_node  *node;

    if (adllist == NULL){
        fprintf(stderr, "BadArgs to dllistGetRevNthNode()\n");
        return NULL;
    }
    if ((n < 0) || (n > adllist->dllist_count)){
        return NULL;
    }
```


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```
    else{
    for(i=0,node=adllist->tail;i<n;i++,node=node->prev){
    }
    return node;
    }
}

int
dllistSize(adllist)
    struct dllist    *adllist;
{
    struct dllist_node *node;
    int i;
    if (adllist == NULL) {
        fprintf(stderr, "BadArgs to map()\n");
        return -1;
    }
    for (node = adllist->head,i=0; node != NULL; node = node->next,i++) {
    }
    return i;

}
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
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/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/*
 *   hash.c hash table routines
 *
 *   author -- Vinod Anupam
 *
 *   modification history
 *
 *  Hash Table & Symbol management routines
 */

#include <stdio.h>
#include <string.h>

#include <shastra/shilp.h>
#include <shastra/utils/hash.h>

#define HASH_TALK

/*
 * htHashFunxnBytes(sb,n,prime)  --- compute hash value of n bytes at sb
 */
int     htHashFuncBytes (sb,n,prime)
char   *sb;
int n;
int prime;
{
    int i;
    unsigned    ch = 0,
                chTemp;
```


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```
    for (i=0; i<n;i++){
    ch = (ch << 4) + (*sb++);
    if (chTemp = ch & 0xf0000000) {
        ch = ch ^ (chTemp >> 24);
        ch = ch ^ chTemp;
    }
    }
    return (ch % prime);
}
/*
 * htHashFunxnSb(sb,prime)  --- compute hash value of sb
 */
int     htHashFuncSb (sb,prime)
char   *sb;
int prime;
{

    char   *sbTemp;
    unsigned    ch = 0,
                chTemp;
    for (sbTemp = sb; *sbTemp != fEndOfString; sbTemp++) {
    ch = (ch << 4) + (*sbTemp);
    if (chTemp = ch & 0xf0000000) {
        ch = ch ^ (chTemp >> 24);
        ch = ch ^ chTemp;
    }
    }
    return (ch % prime);
}


/*
 * htLookup(ht,sb)   ---- lookup sb in the hash table
 */
struct he  *htLookup (pht,sb)
hashTable *pht;
char   *sb;
{
    int     ihe;
    struct he  *phe;

    if(pht->iElementSize){
        ihe = pht->hashFunc(sb,pht->iElementSize,pht->ihtSize);
        for (phe = pht->rgphe[ihe]; phe != NULL; phe = phe -> phe) {
            if (memcmp (sb, phe -> sb, pht->iElementSize) == 0){
                return (phe);
            }
        }
    }
    else{
        ihe = pht->hashFunc(sb,pht->ihtSize);
        for (phe = pht->rgphe[ihe]; phe != NULL; phe = phe -> phe) {
            if (strcmp (sb, phe -> sb) == 0){
```


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```
                return (phe);
            }
        }
    }
    return (NULL);
}

/*
 * htInstallSymbol(pht,sb,data)   ----- install sb in the hash table
 */
struct he  *htInstallSymbol (pht,sb,data)
hashTable *pht;
char  *sb;
char  *data;
{
    struct he  *phe,*pheS;
    int     ihe;

    phe = htLookup (pht,sb);
    if (phe == NULL) {      /* not in table */
        phe = heGet ();
        if(pht->iElementSize){
            phe -> sb = htMakeBytes(sb,pht->iElementSize);
            ihe = pht->hashFunc (sb, pht->iElementSize, pht->ihtSize);
        }
        else{
            phe -> sb = htMakeString(sb);
            ihe = pht->hashFunc (sb, pht->ihtSize);
        }
        phe -> phe = pht->rgphe[ihe];
        pht->rgphe[ihe] = phe;
        phe -> pheGroup = pht->pheStart;
        phe->data = data;
        pht->pheStart = phe;

    }
    /*symbol installed in table only once*/
    return phe;
}


/*
 * htMakeBytes(sb,n)   ---create a copy of n bytes sb
 */
char   *htMakeBytes (sb,n)
char   *sb;
int n;
{
    char   *sbNew;
    sbNew = (char*)malloc(n);
    memcpy (sbNew,sb, n);
    return (sbNew);
}
```


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```
/*
 * htMakeString(sb)   ---create a copy of string sb
 */
char   *htMakeString (sb)
char   *sb;
{
    char   *sbNew;
    sbNew = strdup(sb);
    return (sbNew);
}



/*
 * htMakeNew(iSize,iEltSize)  -----prepares the hash table initially
 * iSize must be a prime no < iheMax
 * iEltSize must be 0 for variable size, else element size
 */
hashTable *htMakeNew (iSize,iEltSize)
int iSize;
int iEltSize;
{

    int     ihe;
    hashTable * pht;

    pht = (hashTable *)malloc(sizeof(hashTable));
    for (ihe = 0; ihe < iheMax; ihe++){
        pht->rgphe[ihe] = NULL;
    }
    pht->pheStart = NULL;
    pht->ihtSize = iSize;
    pht->iElementSize = iEltSize;
    if(iEltSize){
        pht->hashFunc = htHashFuncBytes;
    }
    else{
        pht->hashFunc = htHashFuncSb;
    }

    return(pht);
}


/*
 * heDelete(pht,sb)   ---- delete this entry sb from the hash table
 */
struct he  *heDelete (pht,sb)
hashTable * pht;
char   *sb;
{
    int     ihe;
```


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```
    struct he  *phe,
               *pheFollow;

    if(pht->iElementSize){
        ihe = pht->hashFunc (sb, pht->iElementSize, pht->ihtSize);
        pheFollow = pht->rgphe[ihe];
        for (phe = pheFollow; phe != NULL; phe = phe -> phe) {
            if (memcmp (sb, phe -> sb, pht->iElementSize) == 0) {
                break;
            }
            else {
                pheFollow = phe;
            }
        }
    }
    else{
        ihe = pht->hashFunc (sb, pht->ihtSize);
        pheFollow = pht->rgphe[ihe];
        for (phe = pheFollow; phe != NULL; phe = phe -> phe) {
            if (strcmp (sb, phe -> sb) == 0) {
                break;
            }
            else {
                pheFollow = phe;
            }
    }
    }
    if (phe == NULL) {
    printf("heDelete : Can't find it in hash table!\n");
    return (NULL);
    }
    if (pheFollow != phe) {
    pheFollow -> phe = phe -> phe;/* delete from ll */
    }
    else{
    pht->rgphe[ihe] = NULL;
    }
    if(pht->pheStart == phe){
        pht->pheStart = phe->pheGroup;
    }
    else{
        for (pheFollow=pht->pheStart; pheFollow->pheGroup != phe;
                pheFollow = pheFollow -> pheGroup) {
        }
        pheFollow->pheGroup = phe->pheGroup;
    }
    return (phe); /*this is being removed*/
}


/*
 * heGet() ---- returns a he from memory
 */
```


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```
struct he  *heGet () {
    struct he  *phe;

    phe = (struct he *)malloc(sizeof(struct he));
    phe -> sb = NULL;
    phe -> phe = NULL;
    phe -> pheGroup = NULL;
    return phe;
}


/*
 * htDestroy()  ---- destroy a hash table and contents.. if fRec, destroy
     data
 */
void htDestroy (pht,fRecurse)
hashTable *pht;
int     fRecurse;           /* 1 destroy data */
{
    struct he  *phe, *ophe;;

    for (phe = pht->pheStart; phe != NULL; ){
        ophe = phe;
        phe = phe -> pheGroup;
        if(heDelete(pht,ophe->sb) == NULL){
            fprintf(stderr,"htDestroy()-> internal error on %s!\n",
                ophe->sb);
        }
        if(fRecurse){
            free(ophe -> data);
        }
        free(ophe);
    }
    free(pht);
}



/*
 * htDump()  ---- dumps contents of hash table in order of entry
 */
void htDump (pht,mode)
hashTable *pht;
int     mode;           /* 0 insertion 1 hashed */
{
    struct he  *phe;
    int     ihe;

    printf ("Dumping hash in mode %d\n", mode);
    if (mode) {
    for (ihe = 0; ihe < pht->ihtSize; ihe++) {
        for (phe = pht->rgphe[ihe]; phe != NULL; phe = phe -> phe) {
        printf ("%ld : %s\n", phe -> sb, phe -> data);
```


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```
        }
    }
    }
    else {
    for (phe = pht->pheStart; phe != NULL; phe = phe -> pheGroup)
        printf ("%ld : %s\n", phe -> sb, phe -> data);
    }

}

#define NOHASH_STANDALONE
#ifdef HASH_STANDALONE
/*
 * test.c
 */

char    *hash_str[] = {
    "1",        "one",
    "2",        "two",
    "3",        "three",
    "4",        "four",
    "one",      "1",
    "two",      "2",
    "three",    "3",
    "four",     "4"
};
#define MAXENTCOUNT 16


struct testdata{
long ent;
char* val;
} test[] ={
    1,      "one",
    111,        "two",
    2323,       "three",
    24,     "four",
    1212,       "five",
    65536,      "six"
};

#define MAXTSTCOUNT 6
main()
{
hashtest2();
}

hashtest1(){
    hashTable* pht;
    int ihe;
    struct he *phe;

    printf("Hello Hasho !\n");
```


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```
    pht = htMakeNew(31,0); /*31 entries,variable size*/

 /*    install temp data */
    for (ihe = 0; ihe < MAXENTCOUNT; ihe += 2) {
    htInstallSymbol (pht,hash_str[ihe], hash_str[ihe + 1]);
    }
    htDump(pht,0);
    htDump(pht,1);
    for (ihe = 0; ihe < MAXENTCOUNT; ihe += 2) {
        phe = htLookup (pht,hash_str[ihe]);
        printf ("%s (looked up)-> %s\n", phe -> sb, phe -> data);
    }
    phe = heDelete(pht,"three");
    printf ("%s (deleted)-> %s\n", phe -> sb, phe -> data);
    htDump(pht,0);
    htDump(pht,1);
    for (ihe = 0; ihe < MAXENTCOUNT; ihe += 2) {
        phe = htLookup (pht,hash_str[ihe]);
        if(phe!=NULL){
        printf ("%s (looked up)-> %s\n", phe -> sb, phe -> data);
        }
   }
}
hashtest2(){
    hashTable* pht;
    int ihe;
    struct he *phe;

    printf("Hello Hasho !\n");
    pht = htMakeNew(31,sizeof(long)); /*31 entries,sizeof(long)size*/

 /*    install temp data */
    for (ihe = 0; ihe < MAXTSTCOUNT; ihe ++) {
    htInstallSymbol (pht,(char *)&test[ihe].ent, test[ihe ].val);
    }
    htDump(pht,0);
    htDump(pht,1);
    for (ihe = 0; ihe < MAXTSTCOUNT; ihe ++ ) {
        phe = htLookup (pht,(char *)&test[ihe].ent);
        printf ("%ld (looked up)-> %s\n", phe -> sb, phe -> data);
    }
    phe = heDelete(pht,(char*)&test[2].ent);
    printf ("%ld (deleted)-> %s\n", phe -> sb, phe -> data);
    htDump(pht,0);
    htDump(pht,1);
    for (ihe = 0; ihe < MAXTSTCOUNT; ihe ++) {
        phe = htLookup (pht,(char *)&test[ihe].ent);
        if(phe!=NULL){
        printf ("%ld (looked up)-> %s\n", phe -> sb, phe -> data);
        }
    }
}
```


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```
#endif /*HASH_STANDALONE*/
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>
#include <malloc.h>

#include <shastra/utils/list.h>

int
listCheckGood(alist)
    struct list    *alist;
{
    int             badlist = 1;

    if (alist == NULL) {
        fprintf(stderr, "BadArgs to listCheckGood)\n");
        return (0);
    }
    if (alist->head == NULL) {
        if (alist->tail == NULL) {
            if (alist->list_count != 0) {
                badlist = 0;
            }
        } else {
            badlist = 0;
        }
    } else {
        if (alist->tail == NULL) {
            badlist = 0;
        }
    }
    if (!badlist) {
```


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```
        return 0;
    } else {
        return listCheckCount(alist);
    }
}

int
listCheckCount(alist)
    struct list    *alist;
{
    struct list_node *tmpnode;
    int              count;

    if (alist == NULL) {
        fprintf(stderr, "BadArgs to listCheckCount()\n");
        return (0);
    }
    count = 0;
    for (tmpnode = alist->head; tmpnode != NULL; tmpnode = tmpnode->next) {
        count++;
    }
    return (count == alist->list_count);
}

int
listCheckNode(alist, node)
    struct list    *alist;
    struct list_node *node;
{
    struct list_node *tmpnode;

    if ((alist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to listCheckNode()\n");
        return (0);
    }
    for (tmpnode = alist->head; tmpnode != NULL; tmpnode = tmpnode->next) {
        if (tmpnode == node){
            return (1);
        }
    }
    return (0);
}

int
listGetNodeIndex(alist, data)
    struct list    *alist;
    char *data;
{
    struct list_node *tmpnode;
    int i;

    if (alist == NULL){
        fprintf(stderr, "BadArgs to listGetNodeIndex()\n");
```


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```
        return (-1);
    }
    for (i=0,tmpnode = alist->head; tmpnode != NULL;
        tmpnode = tmpnode->next, i++) {
        if (tmpnode->data == data){
            return (i);
        }
    }
    return (-1);
}

struct list_node *
listFindNode(alist, data)
    struct list    *alist;
    char *data;
{
    struct list_node *tmpnode;

    if (alist == NULL){
        fprintf(stderr, "BadArgs to listFindNode()\n");
        return (NULL);
    }
    for (tmpnode = alist->head; tmpnode != NULL; tmpnode = tmpnode->next) {
        if (tmpnode->data == data){
            return (tmpnode);
        }
    }
    return (NULL);
}

struct list    *
listMakeNew()
{
    struct list    *new;

    new = (struct list *) malloc(sizeof(struct list));
    memset((char *) new, 0, sizeof(struct list));
    return (new);
}

struct list_node *
listMakeNewNode()
{
    struct list_node *new;

    new = (struct list_node *) malloc(sizeof(struct list_node));
    memset((char *) new, 0, sizeof(struct list_node));
    return (new);
}

void
listDestroy(alist,fDestroyData)
    struct list    *alist;
```


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```
    int     fDestroyData;
{
    struct list_node *node, *next_node;
    if (alist == NULL) {
        fprintf(stderr, "BadArgs to listDestroy()\n");
        return;
    }
    /*
     * map (alist, free);
     */
    for (node = alist->head; node != NULL; ) {
        next_node = node->next;
        if(fDestroyData && (node->data != NULL)){
            free(node->data);
        }
        free(node);
        node = next_node;
    }
    free(alist);
    return;
}

void
listDestroyElements(alist,fDestroyData)
    struct list    *alist;
    int     fDestroyData;
{
    struct list_node *node, *next_node;
    if (alist == NULL) {
        fprintf(stderr, "BadArgs to listDestroyElements()\n");
        return;
    }
    for (node = alist->head; node != NULL; ) {
        next_node = node->next;
        if(fDestroyData && (node->data != NULL)){
            free(node->data);
        }
        free(node);
        node = next_node;
    }
    memset(alist, 0, sizeof(struct list ));
    return;
}
void
listInsertAtHead(alist, node)
    struct list    *alist;
    struct list_node *node;
{
    if ((alist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to listInsertAtHead()\n");
        return;
    }
    if (alist->tail == NULL) {
```


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```
        alist->tail = node;
    }
    node->next = alist->head;
    alist->head = node;
    alist->list_count++;
    return;

}

void
listInsertAtTail(alist, node)
    struct list    *alist;
    struct list_node *node;
{
    if ((alist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to listInsertAtTail()\n");
        return;
    }
    if (alist->head == NULL) {
        alist->head = node;
    } else {
        alist->tail->next = node;
    }
    alist->tail = node;
    node->next = NULL;
    alist->list_count++;
    return;

}

void
listInsertAfter(alist, old, new)
    struct list    *alist;
    struct list_node *old, *new;
{
    if ((alist == NULL) || (old == NULL) || (new == NULL)) {
        fprintf(stderr, "BadArgs to listInsertAfter()\n");
        return;
    }
#ifdef CHECK_NODE
    if (!listCheckNode(alist, node)) {
        fprintf(stderr, "node %ld not on list %ld\n", node, alist);
        return;
    }
#endif              /* CHECK_NODE */
    alist->list_count++;
    if (alist->tail == old) {
        alist->tail = new;
    }
    new->next = old->next;
    old->next = new;
    return;
}
```


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```
void
listDeleteThis(alist, node)
    struct list    *alist;
    struct list_node *node;
{
    struct list_node *tmpnode;
    if ((alist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to listDeleteThis()\n");
        return;
    }
#ifdef CHECK_NODE
    if (!listCheckNode(alist, node)) {
        fprintf(stderr, "node %ld not on list %ld\n", node, alist);
        return;
    }
#endif              /* CHECK_NODE */
    alist->list_count--;
    if (node == alist->head) {
        alist->head = node->next;
        if (node == alist->tail) {
            alist->tail = NULL;
        }
    }
    else{
        for(tmpnode = alist->head;tmpnode->next != node;tmpnode=tmpnode->
            next){
        } /*get to prev node*/
        tmpnode->next = node->next;
        if (node == alist->tail) {
        alist->tail = tmpnode;
        }
    }
    /*free (node); *//* caller frees when he wants */
    return;
}

void
listDeleteThisData(alist, data)
    struct list    *alist;
    char *data;
{
    struct list_node *tmpnode;
    if (alist == NULL){
        fprintf(stderr, "BadArgs to listDeleteThisData()\n");
        return;
    }
    tmpnode = listFindNode(alist,data);
    if(tmpnode != NULL){
        listDeleteThis(alist, tmpnode);
        free (tmpnode);
    }
```


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```
    return;
}

void
listMap(alist, func, arg1, arg2)
    struct list    *alist;
    void            (*func) ();
char           *arg1, *arg2;    /* space for args to func */
{
    struct list_node *node;
    if (alist == NULL) {
        fprintf(stderr, "BadArgs to map()\n");
        return;
    }
    for (node = alist->head; node != NULL; node = node->next) {
        func(node->data, arg1, arg2);
    }

}

void
listAppend(alist, blist)    /* destructive append */
    struct list    *alist, *blist;
{
    if ((alist == NULL) || (blist == NULL)) {
        fprintf(stderr, "BadArgs to listAppend()\n");
        return;
    }
    if (alist->tail == NULL) {
        memcpy(alist, blist, sizeof(struct list));
    } else if (blist->tail == NULL) {
    /*alist unchanged*/
    } else {
        alist->tail->next = blist->head;
        alist->tail = blist->tail;
        alist->list_count += blist->list_count;
    }
    memset(blist,  0, sizeof(struct list));     /* destruction */
    return;
}

void
listAfterInsertList(alist, blist, node) /* destructive */
    struct list    *alist, *blist;
    struct list_node *node;
{
    /* since node is on alist, alist->head won't be null */
    if ((alist == NULL) || (blist == NULL) || (node == NULL)) {
        fprintf(stderr, "BadArgs to listAfterInsertList()\n");
        return;
    }
#ifdef CHECK_NODE
    if (!listCheckNode(alist, node)) {
```


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```
        fprintf(stderr, "node %ld not on list %ld\n", node, alist);
        return;
    }
#endif              /* CHECK_NODE */
    if ((blist->head == NULL) || (blist->tail == NULL)) {
        memset(blist, 0, sizeof(struct list));
        return;     /* nothing changes */
    }
    alist->list_count += blist->list_count;
    if (alist->tail == node) {
        alist->tail = blist->tail;
    }
    blist->tail->next = node->next;
    node->next = blist->head;
    return;
}

struct list_node
*listGetNthNode(alist, n)
    struct list    *alist;
    int n;
{
    int i;
    struct list_node  *node;

    if (alist == NULL){
        fprintf(stderr, "BadArgs to listGetNthNode()\n");
        return NULL;
    }
    if ((n < 0) || (n > alist->list_count)){
        return NULL;
    }
    else{
    for(i=0,node=alist->head;i<n;i++,node=node->next){
    }
    return node;
    }
}

int
listSize(alist)
    struct list    *alist;
{
    struct list_node *node;
    int i;
    if (alist == NULL) {
        fprintf(stderr, "BadArgs to map()\n");
        return -1;
    }
    for (node = alist->head,i=0; node != NULL; node = node->next,i++) {
    }
    return i;
```


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```
}
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>

/* a more robust interface to malloc and free */
#include <malloc.h>

char           *
memMalloc(c)
    int             c;
{
    char           *temp;
    if(c <=0){
         fprintf(stderr, "memMalloc()->Warning: trying to malloc %d!\n",c);
         return NULL;
    }
    if(c < 32){
        c = 32;
    }
    temp = malloc((unsigned) c);
    if (temp == NULL) {
        fprintf(stderr, "memMalloc()->Out of memory. Wanted %d\n",c);
        exit(-1);
    } else{
        return temp;
    }
}

char           *
memCalloc(size, num)
    int             size;
```


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```
    int             num;
{
    char           *temp;
    if((size <=0)||(num <=0)){
         fprintf(stderr, "memCalloc()->Warning: trying to calloc %d,%d!\n",
        size,num);
         return NULL;
    }
    temp = calloc((unsigned) size, num);
    if (temp == NULL) {
        fprintf(stderr, "memCalloc()->Out of memory.Wanted %d,%d\n",
                        size,num);
        exit(-1);
    } else
        return temp;
}

char           *
memRealloc(p, num)
    char           *p;
    int             num;
{
    char           *temp;
    if(num <=0){
         fprintf(stderr, "memRealloc()->Warning: trying to realloc %d!\n",
        num);
         return NULL;
    }
    if(num < 32){
        num = 32;
    }
    temp = realloc(p, (unsigned) num);
    if (temp == NULL) {
        fprintf(stderr, "memRealloc()->Out of memory.Wanted %d\n", num);
        exit(-1);
    } else
        return temp;
}

void
memFreeMem(p)
char *p;
{
    if(p != NULL){
        free(p);
    }
    else{
        fprintf(stderr, "Warning.. freeing NULL!\n");
    }
}

void
memTest()
```


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```
{
int i;
char* p;
    printf("memTest()->doing some checks!\n");
    for(i=1;i<1024;i++){
        p = memMalloc(i);
        memFreeMem(p);
    }
    printf("memTest()->done !\n");
}
```


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```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>

#define INIT   register char *sp = instring;
#define GETC() (*sp++)
#define PEEKC()     (*sp)
#define UNGETC(c)   (--sp)
#define RETURN(c)   return;
#define ERROR(c)    regError(c)

#include <regexp.h>
#include <shastra/utils/regExpr.h>

#define DEBUG
#define STANDALONEnn

void
compileRegExp(regExpr, regBufStart, regBufSize)
    char           *regExpr;
    char           *regBufStart;
    int             regBufSize;
{
    /*
     * char *compile(instring, expbuf, endbuf, eof)
     */
    (void) compile(regExpr, regBufStart, &regBufStart[regBufSize], '\0');
#ifdef DEBUG
    printf("compileRegExp()-> compiled %s to %s\n",
           regExpr, regBufStart);
#endif
```


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```
}

int
matchRegExp(dataString, regExpBuf)
    char           *dataString;
    char           *regExpBuf;
{
    /*
     * int step(string, expbuf)
     */
    return (step(dataString, regExpBuf));
}


regError(c)
    int             c;
{
    fprintf(stderr, "regError(): ");
    switch (c) {
    case 11:
        fprintf(stderr,"Range endpoint too large.\n");
        break;
    case 16:
        fprintf(stderr,"Bad number.\n");
        break;
    case 25:
        fprintf(stderr,"``\ digit'' out of range.\n");
        break;
    case 36:
        fprintf(stderr,"Illegal or missing delimiter.\n");
        break;
    case 41:
        fprintf(stderr,"No remembered search string.\n");
        break;
    case 42:
        fprintf(stderr,"\( \) imbalance.\n");
        break;
    case 43:
        fprintf(stderr,"Too many \(.\n");
        break;
    case 44:
        fprintf(stderr,"More than 2 numbers  given  in \{ \}.\n");
        break;
    case 45:
        fprintf(stderr,"} expected after \.\n");
        break;
    case 46:
        fprintf(stderr,"First number exceeds second in \{ \}.\n");
        break;
    case 49:
        fprintf(stderr,"[] imbalance.\n");
        break;
```


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```
    case 50:
        fprintf(stderr,"Regular expression too long.\n");
        break;
    }
}



#ifdef STANDALONE
main()
{
#define ESIZE 256
    char            expbuf[ESIZE];
    char            inbuf[256];
    int             i;
static char *mptnsb[] = { "",
    "ABSOLUTE",
    "BOOHOO",
    "CHARACTER",
    "DISTINCT",
    "EUPHORIA",
    "FIRST",
    "GO",
    "HEGEMONY",
    "INDICATOR",
    "JOCULAR",
    "KNAPSACK",
    "LANGUAGE",
    "MODULE",
    "NAME",
    "ON",
    "PRECISION",
    "QUARTZ",
    "RESTRICT",
    "SECTION",
    "TUMBLEWEED",
    "UNIQUE",
    "VALUES",
    "WHENEVER",
    "XCITING",
    "YEOMAN",
    "ZEBRA" };

    while (gets(inbuf) != NULL) {
        compileRegExp(inbuf, expbuf, ESIZE);

        for (i = 0; i < 26; i++) {
            if (matchRegExp(mptnsb[i], expbuf))
                printf("%s matched \t", mptnsb[i], inbuf);
        }
    }
}
#endif              /* STANDALONE */
```


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Petitioner Microsoft Corporation, Ex. 1002, p. 2161

```
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
/**
    **/
/** This SHASTRA software is not in the Public Domain. It is distributed on
    **/
/** a person to person basis, solely for educational use and permission is
    **/
/** NOT granted for its transfer to anyone or for its use in any commercial
    **/
/** product.  There is NO warranty on the available software and neither
    **/
/** Purdue University nor the Applied Algebra and Geometry group directed
    **/
/** by C.  Bajaj accept responsibility for the consequences of its use.
    **/
/**
    **/
/*****************************************************************************
    ***/
/*****************************************************************************
    ***/
#include <stdio.h>

#include <shastra/shilp.h>
#include <shastra/utils/tree.h>

/* binary trees */

struct tree    *
treeMakeNew(data)
    int             data;
{
    struct tree    *new;

    new = (struct tree *) malloc(sizeof(struct tree));
    new->left = NULL;
    new->right = NULL;
    new->parent = NULL;
    new->control = 0;
    new->data = 0;
    return (new);
}

void
treeInorder(atree, func)
    struct tree    *atree;
    void            (*func) ();
{
    if (atree == NULL) {
        return;
```


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```
    }
    if (atree->left != NULL) {
        treeInorder(atree->left, func);
    }
    func(atree);        /* func applied at node */
    if (atree->right != NULL) {
        treeInorder(atree->right, func);
    }
    return;
}

void
treePreorder(atree, func)
    struct tree    *atree;
    void            (*func) ();
{
    if (atree == NULL) {
        return;
    }
    func(atree);        /* func applied at node */
    if (atree->left != NULL) {
        treePreorder(atree->left, func);
    }
    if (atree->right != NULL) {
        treePreorder(atree->right, func);
    }
    return;
}

void
treePostorder(atree, func)
    struct tree    *atree;
    void            (*func) ();
{
    if (atree == NULL) {
        return;
    }
    if (atree->left != NULL) {
        treePostorder(atree->left, func);
    }
    if (atree->right != NULL) {
        treePostorder(atree->right, func);
    }
    func(atree);        /* func applied at node */
    return;
}

struct tree    *
treeInsert(atree, data)
    struct tree    *atree;
    int             data;
{
    struct tree    *node;
```


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```
    if (atree == NULL) {
        fprintf(stderr, "BadArg to insert(%ld,%d)\n", atree, data);
        return NULL;
    }
    if (data == atree->data) {
        return (atree); /* nilpo duplication */
    } else if (data < atree->data) {
        if (atree->left == NULL) {
            atree->left = node = treeMakeNew(data);
            node->parent = atree;
            return (node);
        } else {
            return (treeInsert(atree->left, data));
        }
    } else {
        if (atree->right == NULL) {
            atree->right = node = treeMakeNew(data);
            node->parent = atree;
            return (node);
        } else {
            return (treeInsert(atree->right, data));
        }
    }
}

struct tree    *
treeBinarySearch(atree, data)
    struct tree    *atree;
    int             data;
{
    if (atree == NULL) {
        return NULL;
    }
    if (data == atree->data) {
        return (atree); /* found */
    } else if (data < atree->data) {
        return (treeBinarySearch(atree->left, data));
    } else {
        return (treeBinarySearch(atree->right, data));
    }
}

struct tree    *
treeFindNextSmaller(atree)
struct tree *atree;
{
    struct tree    *node;

    if ((node = atree->left) == NULL) {
        return (NULL);
    }
    for (node; node->right != NULL; node = node->right) {
```


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```
    }
    return (node);
}

struct tree    *
treeFindNextBigger(atree)
struct tree *atree;
{
    struct tree    *node;

    if ((node = atree->right) == NULL) {
        return (NULL);
    }
    for (node; node->left != NULL; node = node->left) {
    }
    return (node);
}

void
treeDeleteThis(atree, node)
    struct tree    *atree, *node;
{
    struct tree    *nbor;

    if ((nbor = treeFindNextBigger(atree)) == NULL) {

    } else {
        nbor->parent->left = NULL;
        nbor->left = atree->left;
        nbor->parent = atree->parent;
        if (atree->parent == NULL) {    /* deleting root */
        } else {
                if (check_am_lsub(atree)) {
                atree->parent->left = nbor;
                }
            else {
                atree->parent->right = nbor;
            }
        }
    }
}
```


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PTO/SB/08a (01-10)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2452
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2452
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P1-99

	1	PRAKASH, ATUL et al. "Distview: Support for Building Efficient Collaborative Applications using Replicated Objects." Software Systems Research Laboratory, Department of Electrical Engineering and Computer Science, University of Michigan. Pages 1-12, Ann Arbor, MI.	☐
	2	ANUPAM, VINOD "Collaborative Multimedia Environments for Problem Solving." A Thesis Submitted to Purdue University. (August 1994), Pages 1-212, Ann Arbor, MI.	☐
	3	BAJAJ, CHANDRAJIT et al. "Collaborative Multimedia in Shastra." 3rd International Conference on Multimedia, San Francisco, CA (1995). Pages 365-366.	☐
	4	AHUJA, S.R. et al. "The Rapport Multimedia Conferencing System." AT&T Bell Laboratories. Pages 1-8. Holmdel, NJ.	☐
	5	ANUPAM, VINOD et al. "Collaborative Multimedia in Scientific Design." Proceedings: First ACM Multimedia Conference, ACM Multimedia 93, Anaheim, California, ACM Press, (1993). Pages 447-456.	☐
	6	ANUPAM, VINOD et al. "Shastra - An Architecture for Development of Collaborative Applications." Proceedings: Second IEEE Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises, Morgantown, (1993). Pages 155-166.	☐
	7	BAJAJ, CHANDRAJIT et al. "Brokered Collaborative Infrastructure for CSCW." Proceedings: Fourth IEEE Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises, Berkeley Springs, West Virginia, IEEE Computer Society Press, (1995), Pages 207-213.	☐
	8	ANUPAM, VINOD et al. "Shastra: Multimedia Collaborative Design Environment." IEEE Multimedia, 1, 2, (1994), Pages 39-49.	☐
	9	ANUPAM, VINOD et al. "Distributed and Collaborative Visualization." IEEE Computer, 27, 7, (July 1994), Pages 37-43.	☐
	10	BAJAJ, CHANDRAJIT et al. "Web based Collaborative Visualization of Distributed and Parallel Simulation." In Proceedings of the 1999 IEEE Symposium on Parallel Visualization and Graphics, (October 24-29, 1999), San Francisco, CA, Pages 47-54.	☐
	11	BAJAJ, CHANDRAJIT et al. "NLS: Collaborative Virtual Environment to Promote Shared Awareness." Proceedings: Workshop on New Paradigms in Information Visualization and Manipulation NPIV'96, In conjunction with Fifth ACM International Conference on Information and Knowledge Management (CIKM'96), (1996), pp. 41-45.	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2452
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P1-99

	12	BAJAJ, CHANDRAJIT et al. "Web Based Collaboration-Aware Synthetic Environments" Proceedings of the 1997 GVU/NIST TEAMCAD workshop, Atlanta, GA, 1997, 143 – 150.	☐

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EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2452
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2011-07-18
Name/Print	Peter K. Trzyna, Esq.	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August 24, 2006, Serial

No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24, 2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO/SB/08a-Form be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

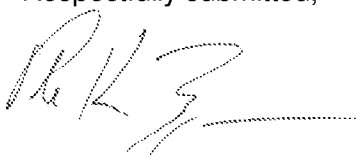
In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. However, no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement. Thus, in accordance with 37 C.F.R. § 1.97(e), no fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Petitioner Microsoft Corporation, Ex. 1002, p. 2172

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,



Date: August 18, 2011

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2173

Electronic Acknowledgement Receipt

EFS ID:	10768160
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	18-AUG-2011
Filing Date:	20-SEP-1999
Time Stamp:	16:48:54
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP991transsupp.pdf	54643 610b359b82ded39793d664fde4c70e88d1e7f46d	no	2
Warnings:					
Information:					
2	Supplemental Response or Supplemental Amendment	AISP199suppresp.pdf	55749 687b784180bc1c02d4d615439d56018b604e1a97	no	2
Warnings:					
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3	Applicant Arguments/Remarks Made in an Amendment	AISP199BajajDecResumeDissCode1.pdf	8238081 fc28c0bef397ab5dab9fcc0b3cf9c1689ef4e32b	no	285
Warnings:					
Information:					
4	Applicant Arguments/Remarks Made in an Amendment	AISP199BajajDecResumeDissCode2.pdf	784918 712bead3c0ab2ad9113bc40c8712f5a0ad852bc1	no	258
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5	Applicant Arguments/Remarks Made in an Amendment	AISP199BajajDecResumeDissCode3.pdf	821193 75c52df8ed531de97bd217e26d12d6a77bd25614	no	275
Warnings:					
Information:					
6	Applicant Arguments/Remarks Made in an Amendment	AISP199BajajDecResumeDissCode4.pdf	922485 c78c3d2ee953dc7ef6fdcdff4022c60bd97a7f36	no	284
Warnings:					
Information:					
7	Information Disclosure Statement (IDS) Form (SB08)	AISP199sb0821.pdf	42896 a9a3945ad4edab539949fea434c873f7b5b9f98a	no	5
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Information:					
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Information:					

9	Non Patent Literature	1atuldistview94.pdf	1108054 17a621d5285b468e99b4a17be773a9114fdb6fd3	no	12
Warnings:					
Information:					
10	Non Patent Literature	2collablproblemsolving.pdf	7918591 7f78bcdbe59a605dd79bc7904d8efa5f23e46124	no	212
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11	Non Patent Literature	3CollaborativeMultimediaSHASTRA.pdf	104962 e2c9ba298291b0e785c55669a12275d5527f179f	no	5
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14	Non Patent Literature	6shastraarchitecture1.pdf	1066826 6ffa98f8f379942327abb2fd4ae48999d6722d38	no	12
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15	Non Patent Literature	7shastraBrokeredcollab.pdf	736066 4b3abe01071119a52afaa60c276d97a89b9b506f	no	7
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16	Non Patent Literature	8shastramultimedia.pdf	1216335 06e9686b50aa68c2fef4793f32aca363ebd70b2c	no	11
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17	Non Patent Literature	10webbasedcollab.pdf	876360 48b43b9f3d86db38b97d93502a6854d46ea4bcb5	no	8
Warnings:					
Information:					

18	Non Patent Literature	9shastradistcollabviz.pdf	643582 148e7feebbdb707d9cbade3663746304a1530098	no	7
Warnings:					
Information:					
19	Non Patent Literature	11nlscollaborativevirtual.pdf	23845 d908c1453706f6204677718f606ae89588f48fd	no	6
Warnings:					
Information:					
20	Non Patent Literature	12webbasedawaresyntehticenvir.pdf	1388231 7d4d0f9cce765b599607d396744a4787e8606b55	no	8
Warnings:					
Information:					
			Total Files Size (in bytes):	27638001	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2452
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R:

Transmitted herewith for filing in the above-identified patent application are the following:

1. Supplemental Response;
2. Declaration of Dr. Chandrajit Bajaj;
3. Information Disclosure Statement;
4. PTO/SB/08a Form; and
5. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any

overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: August 18, 2011

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2179

OPAP IAP14
AUG 0 1 2011
PATENT & TRADEMARK OFFICE

PTO/SB/08b (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	10561163
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2452
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P99-1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		ROY RADA and CLAUDE GHAOUI. "Medical Multumedia" Intellect Ltd. Great Britain (1995) Suite 2, 108/110 London Road, Oxford OX3 9AW.	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ARTIFACT SHEET

Enter artifact number below. Artifact number is application number + artifact type code (see list below) + sequential letter (A, B, C …). The first artifact folder for an artifact type receives the letter A, the second B, etc.. Examples: 59123456PA, 59123456PB, 59123456ZA, 59123456ZB

09399578ZA

Indicate quantity of a single type of artifact received but not scanned. Create individual artifact folder/box and artifact number for each Artifact Type.

☐ CD(s) containing:

- computer program listing ☐
  Doc Code: Computer Artifact Type Code: P
- pages of specification and/or sequence listing and/or table ☐
  Doc Code: Artifact Artifact Type Code: S
- content unspecified or combined ☐
  Doc Code: Artifact Artifact Type Code: U

☐ Stapled Set(s) Color Documents or B/W Photographs
Doc Code: Artifact Artifact Type Code: C

☐ Microfilm(s)
Doc Code: Artifact Artifact Type Code: F

☐ Video tape(s)
Doc Code: Artifact Artifact Type Code: V

☐ Model(s)
Doc Code: Artifact Artifact Type Code: M

☐ Bound Document(s)
Doc Code: Artifact Artifact Type Code: B

☐ Confidential Information Disclosure Statement or Other Documents marked Proprietary, Trade Secrets, Subject to Protective Order, Material Submitted under MPEP 724.02, etc.
Doc Code: Artifact Artifact Type Code X

1 Other, description: **BOOK**
Doc Code: Artifact Artifact Type Code: Z

March 8, 2004

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AUG 0 1 2011
PATENT & TRADEMARK OFFICE
MAIL ROOM

JFW

I hereby certify that this correspondence is being filed by depositing it with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: No Fee Amendment, Commissioner of Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on the date indicated below.

Date: July 27, 2011

Signed: _____

Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2452
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08b-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any

overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,

Date: July 27, 2011

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2183

OPAP IAP14
AUG 0 1 2011
PATENT & TRADEMARK OFFICE

I hereby certify that this correspondence is being filed by depositing it with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: No Fee Amendment, Commissioner of Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on the date indicated below.

Date: July 27, 2011

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also

requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August 24, 2006, Serial No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24, 2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO/SB/08a-Form be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. However, no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement. Thus, in accordance with 37 C.F.R. § 1.97(e), no fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Petitioner Microsoft Corporation, Ex. 1002, p. 2185

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: July 27, 2011

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2186

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2452
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE

S I R :

In response to the Office Action mailed on January 21, 2011, please reconsider the application in view of the remarks set forth below.

I. Remarks

In the Office Action, after much delay, the indicated allowability of all pending claims (1-291, 309-366, 376-502, 504-519, 521-536, 538-553, 555-570, 572-590, 592-995) has been withdrawn and these claims have been rejected pursuant to 35 U.S.C. Sec. 103 for reasons set forth in the Office Action, in view of the newly cited art of Shastra.

In response, the rejections are respectfully traversed as improper pursuant to Rule 104 and 35 U.S.C. Sec. 132 in that required "information" has not been provided. As best as can be understood from the rejections of all pending claims, the Examiner is contending that the moderator in the Shastra collaboration software would be subject to censorship, e.g., **each** said user identity corresponding to a respective particular user's stored access rights in view of censored by the corresponding user's stored access rights in claim 1. It would seem that this would render a moderator inoperable for its intended purpose, and the Examiner has provided no explanation as to why this feature is disclosed in Shastra, including in run time storing of access rights for the moderator. Absent some explanation as to why anyone would develop a moderator system such as Shastra that censors the moderator, the rejections are believed to be improper pursuant to Rule 104 and Sec. 132.

Applicant maintains that the claims have not been shown to be unpatentable over the cited art, and if the rejections are maintained, Applicant requests an Interview including the supervisor.

With respect to the present application, the Applicant hereby rescinds any disclaimer of claim scope made in the parent application or any predecessor or related application. The Examiner is advised that any previous disclaimer, if any, and the prior art that it was made to avoid, may need to be revisited. Nor should a disclaimer, if any, in the present application be read back into any predecessor or related application.

The application is believed to be in condition for allowance, and favorable action is

Petitioner Microsoft Corporation, Ex. 1002, p. 2188

requested.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefore. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: July 20, 2011

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2189

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2452
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION FOR EXTENSION OF TIME

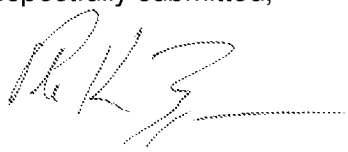
S I R :

This is a Petition for Extension of Time for three (3) months to respond to the Office Action mailed on January 21, 2011, in the above-referenced patent application. If additional time is necessary, this Petition is to be deemed a Petition for such time as necessary to accept the Response filed herewith.

APPLICANT CLAIMS **LARGE** ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,



Date: July 20, 2011

Peter K. Trzyna
(Reg. No. 32,601)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2191

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 3 months with $0 paid	1253	1	1110	1110

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
		Total in USD ($)		**1110**

Electronic Acknowledgement Receipt

EFS ID:	10561163
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	20-JUL-2011
Filing Date:	20-SEP-1999
Time Stamp:	15:26:37
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$1110

RAM confirmation Number	1785
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP991transresp.pdf	53603 5eb3d770b713c1545ce45611374f2533c049bb7d	no	2
Warnings:					
Information:					
2	Amendment/Req. Reconsideration-After Non-Final Reject	AISP199ResponseFinalDraft.pdf	58458 a5c774fa5e4d479d3002d7d117a3f0abc91acd90	no	3
Warnings:					
Information:					
3	Extension of Time	AISP991petforext.pdf	53872 6e55155476298737001cb5e1e47e8dcf6ef96bf3	no	2
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	30031 f0eb4b73fd5e2a886e2a1bfe3c31fcfd113ff215	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	195964		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2452
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

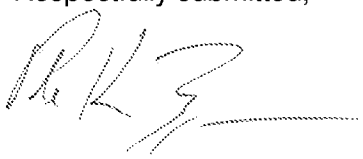
Transmitted herewith for filing in the above-identified patent application are the following:

1. Response; and
2. Petition for Extension of Time.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: July 20, 2011

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2198

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2452
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

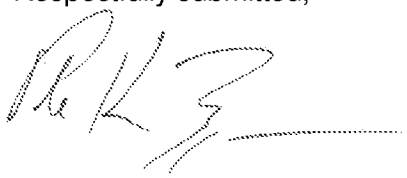
Transmitted herewith for filing in the above-identified patent application is the following:

1. Applicant Summary of Interview with Examiner.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: February 11, 2011

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2200

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2452
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

APPLICANT SUMMARY OF
INTERVIEW WITH EXAMINER

Dear Examiner Winder:

During the telephonic interview on January 19, 2011, between Examiners Patrice L. Winder and Thu Nguyen, and Peter K. Trzyna, the conversation reiterated that the prior notice of allowance has been vacated. The Examiner contended that this decision was necessitated by the prior art filed in the IDS(s) submitted after the allowance and that the next rejection includes a new reference concerning the Shastra architecture. The Applicant was encouraged to review the rejection and the Shastra system as described by all of the Anupam references. Participants also discussed Claim 1 and the email exchange prior to the scheduling of this interview. An agreement with respect to the claims was not applicable.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: February 11, 2011

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2202

Electronic Acknowledgement Receipt

EFS ID:	9430337
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	11-FEB-2011
Filing Date:	20-SEP-1999
Time Stamp:	16:56:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP991transintersum.pdf	53515 2cc4d8642a9719c4a62c5aa67c2283c24bcffcad	no	2
Warnings:					
Information:					
2	Applicant summary of interview with examiner	AISP991appintersum.pdf	54646 1329ba604307a2dc934bf8d8e65b63e7a94ecaa9	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	108161		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 02/02/2011

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER	
WINDER, PATRICE L	

ART UNIT	PAPER NUMBER
2452	

MAIL DATE	DELIVERY MODE
02/02/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice L. Winder	2452	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Patrice L. Winder*.

(2) *Peter K. Trzyna*.

(3) *Thu Nguyen*.

(4) _____.

Date of Interview: *19 January 2011*.

Type: a)☒ Telephonic b)☐ Video Conference
c)☐ Personal [copy given to: 1)☐ applicant 2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☒ No.
If Yes, brief description: _____.

Claim(s) discussed: *1*.

Identification of prior art discussed: *Shastra*.

Agreement with respect to the claims f)☐ was reached. g)☐ was not reached. h)☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *See Continuation Sheet*.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

/Patrice L Winder/ Primary Examiner, Art Unit 2452	

Petitioner Microsoft Corporation, Ex. 1002, p. 2206

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The email exchange prior to the scheduling of this interview is attached. The conversation reiterated that the prior notice of allowance has been vacated. This decision was necessitated by the prior filed in the IDS(s) submitted after allowance. The next rejection includes a new reference concerning the Shastra architecture. (This is also why the pre appeal conference for 10/510,351 indicates reopening.) Applicant is encouraged to review the rejection and the Shastra system as described by all of the Anupam references .

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From: Peter K. Trzyna [pkt-law@sbcglobal.net]
Sent: Tuesday, January 04, 2011 8:42 PM
To: Winder, Patrice
Subject: RE: Ser. No. 09/399,578
Examiner Winder:

Please schedule a telephone call for me to speak with you and the supervisor as to how it can take 1 ½ years from the close of prosecution, and over a year since I withdrew claims under restriction, to issue a notice of allowance. I suggest a time early this coming week.

Peter

Peter K. Trzyna, Esq.
195 N. Harbor Drive #5403
Chicago, IL 60601
(312) 240-0824

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From: Winder, Patrice [mailto:Patrice.Winder@USPTO.GOV]
Sent: Tuesday, January 04, 2011 6:55 PM
To: 'Peter K. Trzyna'
Subject: RE: Ser. No. 09/399,578

Mr. Trzyna:

The application been returned to me. The notice of allowance was vacated. The reply was entered as an overdue amendment. The case has been effectively withdrawn from issue based on the prior art from the 10/19/2010 and 10/20/2010 IDS. It overdue according to PTO docketing so it will be the next case I do. I expect to start the write up on Wed and finish up on Thurs.

Patrice Winder
Primary Examiner

From: Peter K. Trzyna [mailto:pkt-law@sbcglobal.net]
Sent: Tuesday, January 04, 2011 2:25 PM
To: Winder, Patrice
Subject: RE: Ser. No. 09/399,578

Examiner Winder:

Please advise me of the status of this patent application.

Petitioner Microsoft Corporation, Ex. 1002, p. 2209

Peter

Peter K. Trzyna, Esq.
195 N. Harbor Drive #5403
Chicago, IL 60601
(312) 240-0824

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From: Winder, Patrice [mailto:Patrice.Winder@USPTO.GOV]
Sent: Monday, December 20, 2010 2:23 PM
To: 'Peter K. Trzyna'
Subject: RE: Ser. No. 09/399,578

Hi, Mr. Tryzna:

Thanks for the reminder of my expected date of finishing. Of course, I missed that date but the hold up will be resolved I hope by Wednesday.

Patrice Winder
Primary Examiner

From: Peter K. Trzyna [mailto:pkt-law@sbcglobal.net]
Sent: Thursday, December 16, 2010 2:37 PM
To: Winder, Patrice
Cc: srivastava.vivek@uspto.gov
Subject: Ser. No. 09/399,578

Examiner Winder:

What is the status of the Notice of Allowability, which I understood from our last call would be sent out this past Monday? As you know, due to the Terminal Disclaimer, there is no term extension, so the delay from the close of prosecution has cost more than one year off the term of any patent.

Peter

Peter K. Trzyna, Esq.
195 N. Harbor Drive #5403
Chicago, IL 60601
(312) 240-0824

Information contained in this e-mail transmission is privileged, confidential and covered by The Electronic Communications Privacy Act, 18 U. S.C. Sections 2510-2521. If you are not the intended recipient, do not read, distribute, or reproduce this transmission. If you have received this email transmission in error, please notify us immediately of the error by returning the email and please delete the message from your system. Thank you in advance for your cooperation.

Petitioner Microsoft Corporation, Ex. 1002, p. 2210

Petitioner Microsoft Corporation, Ex. 1002, p. 2211

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 01/21/2011

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER
WINDER, PATRICE L

ART UNIT	PAPER NUMBER
2452	

MAIL DATE	DELIVERY MODE
01/21/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice L. Winder	2452	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *15 December 2009*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *See Continuation Sheet* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-291,309-366,376-502,504-519,521-536,538-553,555-570,572-590 and 592-995* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Continuation of Disposition of Claims: Claims pending in the application are 1-291,309-366,376-502,504-519,521-536,538-553,555-570,572-590 and 592-995.

Petitioner Microsoft Corporation, Ex. 1002, p. 2214

DETAILED ACTION

Allowable Subject Matter

The indicated allowability of claims 1-164,166-291,309-365,376-408, 410-502, 504-519,521-536,538- 553,555-570,572-590,592-598,600-631,726-754,845-861,877,884,885,891,892,955-962,973-976 and 978-988 is withdrawn in view of the newly discovered reference(s) to Shastra. Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-291, 309-366, 376-502, 504-519, 521-536, 538-553, 555-570, 572-590, 592-995 are rejected under 35 U.S.C. 103(a) as being unpatentable over Vinod Anupam et al., SHASTRA – An Architecture for Development of Collaborative Applications (hereafter Shastra) in view of Ahuja et al., USPN 5,689,553 (hereafter referred to as Ahuja). (See also Vinod Anupam et al., Shastra: Multimedia collaborative design environment and Vinod Anupam et al.;., Collaborative Multimedia Scientific Design in SHASTRA)

Regarding claim 1, Shastra taught a method of communicating via an Internet network (page 159, lines 45-47), the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected to a respective input device and to a respective output device (page 155, lines 41-42, 54-63), said connecting responsive to receiving, from each of the computers, a password and a login name corresponding to a user identity, each said user identity corresponding to a respective particular user's stored access rights;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time (page 157, lines 44-52; page 158, lines 13-18);

determining whether at least one of the first user identity and the second user identity, individually, is censored by the corresponding user's stored access rights (page 160, column 2, lines 65-68; page 161, column 1, lines 7-18, 63-68, column 2, lines 7-17, 43-61; page 162, column 1, lines 7-11, 24-37) from data in the communications representing at least one of a pointer, video, audio, a graphic, or multimedia (page 159, lines 58-68); and

if the first and the second user identities are able to form the group, forming the group for sending the communications (page 158, lines 13-18), also as to facilitate receiving the communications that are not censored wherein the receiving is in real time and via the Internet network, and to facilitate not presenting the data that is censored to the corresponding output device (page 160, column 2, lines 65-68; page 161, column 1, lines 7-18, 63-68, column 2, lines 7-17, 43-61; page 162, column 1, lines 7-11, 24-37).

Shastra does not specifically teach a password and a login name corresponding to a user identity. However, Ahuja taught a password and a login name corresponding to a user identity (column 12, lines 12-38). It would have been obvious to one of ordinary skill in the art at the time the invention was made that incorporating Ahuja's security in Shastra's collaboration system. The motivation would have been to regulate access to the collaboration system.

Regarding dependent claims 3-7, Shastra taught the method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video, audio, graphic, multimedia (page 160, column 2, lines 65-68; page 161, column 1, lines 7-18, 63-68, column 2, lines 7-17, 43-61; page 162, column 1, lines 7-11, 24-37).

Regarding dependent claims 18-34, Shastra taught wherein at least some of the communications include at least one text or ascii (page 160, column 1, lines 67-68, column 2, lines 7-20).

Regarding dependent claims 35-51, Shastra taught further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia (accepting data from Fronts with modify permission); and

sending the data that is not censored from sending (sending the data to Fronts with access permission).

Regarding dependent claims 52-68, Shastra taught further including determining whether at least one of the communications is censored (page 158, column 2, lines 28-48; page 159, column 2, lines 62-65). However, Shastra does not specifically teach managing the multimedia communications based on content. Downs taught managing the multimedia communications based on content (conference object including pointers, column 8, lines 9-18.

Regarding dependent claims 69-74, further including determining a user age corresponding to each of the user identities (Filepp taught age).

Regarding dependent claims 75-85, Shastra taught wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data including determining whether a parameter corresponding to the first identity has been determined by an other of the user identity (moderator sets the access permission for other identities, i.e. fronts).

Regarding dependent claims 86-102, Shastra taught wherein the determining whether the first if the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored (page 158, lines 51-67).

Regarding dependent claims 103-119, further including determining a user age corresponding to each of the user identities (Filepp taught age).

Regarding claim 170, Shastra taught a method of communicating via an Internet network (page 159, lines 45-47), the method including:

connecting a plurality of computers to a computer system (page 155, lines 41-42, 54-63);

receiving, from each of the plurality of computers, a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time (page 157, lines 44-52; page 158, lines 13-18);

determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data in the communications (page 160, column 2, lines 65-68; page 161, column 1, lines 7-18, 63-68, column 2, lines 7-17, 43-61; page 162, column 1, lines 7-11, 24-37), the data representing at least one of a pointer, video, audio, a graphic, or multimedia (page 159, lines 58-68); and

if the first and the second user identities are able to form the group, then forming the group, facilitating sending the communications that are not censored based on the individual user identity (page 158, lines 13-18), and facilitating receiving the communications that sent, wherein the receiving is in real time and via the Internet network (page 160, column 2, lines 65-68; page 161, column 1, lines 7-18, 63-68, column 2, lines 7-17, 43-61; page 162, column 1, lines 7-11, 24-37).

Claims 2, 8-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shastra and Ahuja and Atul Prakash et al., Distview for Building Efficient Collaborative Applications using Replicated Objects (hereafter referred to as Distview).

Regarding dependent claim 2, Shastra taught the method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data (page 158, column 2, lines 28-48; page 159, column 2, lines 62-65). However, Shastra does not specifically teach the data is a pointer. However, Distview taught data representing a pointer (pages 3-4, "Examples of Distview Based Application", Figures 2-4). It would have been obvious to one of ordinary skill in the art at the time the invention was made that incorporating a pointer-triggered message in Shasta's collaboration system would have expanded the services. The motivation would have been to have another tool to share data between collaborators.

Regarding dependent claims 8-9, Shastra taught the method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and a graphic, a pointer and audio (page 160, column 2, lines 65-68; page 161, column 1, lines 7-18, 63-68, column 2, lines 7-17, 43-61; page 162, column 1, lines 7-11, 24-37). However, Shastra does not specifically teach the data is a

pointer. However, Distview taught data representing a pointer (pages 3-4, “Examples of Distview Based Application”, Figures 2-4). For motivation see claim 2, above.

Regarding dependent claims 10-12, Shastra taught wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a video and audio, video and a graphic, audio and a graphic (page 160, column 2, lines 65-68; page 161, column 1, lines 7-18, 63-68, column 2, lines 7-17, 43-61; page 162, column 1, lines 7-11, 24-37). For motivation see claim 2, above.

Regarding dependent claims 13-17, Shastra taught wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video and audio, a pointer and video and a graphic, a pointer and audio and a graphic, video and audio and a graphic, a pointer and video and audio and a graphic (page 160, column 2, lines 65-68; page 161, column 1, lines 7-18, 63-68, column 2, lines 7-17, 43-61; page 162, column 1, lines 7-11, 24-37). However, Shastra does not specifically teach the data is a pointer. However, Distview taught data representing a pointer (pages 3-4, “Examples of Distview Based Application”, Figures 2-4). For motivation see claim 2, above.

Regarding dependent claims 120-137, Distview taught wherein the pointer is a pointer that produces a pointer triggered message on demand (pages 3-4, “Examples of Distview Based Application”, Figures 2-4).

Regarding dependent claims 138-148, Distview taught wherein the data that is censored from sending represents a pointer that produces a pointer triggered message on demand (pages 3-4, “Examples of Distview Based Application”, Figures 2-4).

Regarding dependent claims 149-155, Distview taught wherein the pointer is a pointer that produces a pointer triggered message on demand (pages 3-4, “Examples of Distview Based Application”, Figures 2-4).

Regarding dependent claims 156-160, Distview taught wherein the data that is censored from sending represents a pointer that produces a pointer triggered message on demand (pages 3-4, “Examples of Distview Based Application”, Figures 2-4).

Regarding dependent claims 161-164, 165-169, Distview taught wherein the pointer is a pointer that produces a pointer triggered message on demand (pages 3-4, “Examples of Distview Based Application”, Figures 2-4).

The above citations associated with the prior art references would equally apply to the remaining claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrice L. Winder whose telephone number is (571)272-3935. The examiner can normally be reached on Monday-Friday, 12:00 pm - 8:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thu V. Nguyen can be reached on 571-272-6967. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Patrice L Winder/
Primary Examiner, Art Unit 2452

January 18, 2011

Notice of References Cited	Application/Control No. 09/399,578	Applicant(s)/Patent Under Reexamination MARKS, DANIEL L.	
	Examiner Patrice L. Winder	Art Unit 2452	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,689,553	11-1997	Ahuja et al.	370/352
*	B	US-5,894,321	04-1999	Downs et al.	370/260
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Vinod Anupam et al., SHASTRA - An architecture for Development of Collaborative Applications, April 1993, IEEE, pages 155-166.
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	255772	conferenc$3 or videoconferenc$3 or teleconferenc$3	US-PGPUB; USPAT	OR	ON	2010/10/26 18:39
L2	322668	(internet or "tcp/ip" or ip) near2 network	US-PGPUB; USPAT	OR	ON	2010/10/26 18:40
L3	137282	(stor$3 or token or privilege or permission) near8 (requirement or qos or capability)	US-PGPUB; USPAT	OR	ON	2010/10/26 18:43
L4	6191	l1 and l2 and l3	US-PGPUB; USPAT	OR	ON	2010/10/26 18:44
L5	60	l4 and @ay<"1996"	US-PGPUB; USPAT	OR	ON	2010/10/26 18:44

10/26/2010 7:58:14 PM
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Petitioner Microsoft Corporation, Ex. 1002, p. 2225

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	255772	conferenc$3 or videoconferenc$3 or teleconferenc$3	US-PGPUB; USPAT	OR	ON	2010/10/26 18:39
L2	322668	(internet or "tcp/ip" or ip) near2 network	US-PGPUB; USPAT	OR	ON	2010/10/26 18:40
L3	137282	(stor$3 or token or privilege or permission) near8 (requirement or qos or capability)	US-PGPUB; USPAT	OR	ON	2010/10/26 18:43
L4	6191	l1 and l2 and l3	US-PGPUB; USPAT	OR	ON	2010/10/26 18:44
L5	60	l4 and @ay<"1996"	US-PGPUB; USPAT	OR	ON	2010/10/26 18:44
L6	1	(US-5953350-$).did.	USPAT	OR	ON	2010/10/26 19:58
L7	5	(US-5953350-$ or US-5689641-$ or US-5689553-$ or US-5617565-$ or US-5581703-$).did.	USPAT	OR	ON	2010/10/26 19:58

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Petitioner Microsoft Corporation, Ex. 1002, p. 2226

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P1-99

	1	PETER K. TRZYNA, "Supplemental Amendment and Response" filed on November 5, 2010, in Serial No. 11/510,351 filed on August 24, 2006. Pages 1-18. USA	☐
	2	PATRICE L. WINDER, "Office Action" mailed on November 24, 2010, in Serial No. 11/510,463 filed on August 24, 2006. Pages 1-25. USA	☐
	3	PETER K. TRZYNA, "Amendment and Response" filed on July 23, 2010, in Serial No. 11/510,463 filed on August 24, 2006. Pages 1-15. USA	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2011-01-07
Name/Print	Peter K Trzyyna	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	9186344
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	07-JAN-2011
Filing Date:	20-SEP-1999
Time Stamp:	12:33:56
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991TransIDS5.pdf	53646 38d75f468e7d8f033d2dcb9121e69a9635f90ca3	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199ids5.pdf	58021 ee3e5238be7196c2499e1bc654fbc3f839853f3a	no	3
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08Form5.pdf	37380 273d39330ade761b947e0a035c7768e3ae968e0d	no	4
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	AISP106SupplementalAmendmentFinal.pdf	89722 bbcf1a26ca873513f588b85e2ae91b8b8c699344	no	18
Warnings:					
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5	NPL Documents	AISP306OA112410.pdf	1396509 b254c3d0faa5b826d3513d2adfab87be71eda6c6	no	25
Warnings:					
Information:					
6	NPL Documents	AISP306RCEAmendRespFinal.pdf	91039 b59fe628a077576aef211c398ba1ac312fe66019	no	15
Warnings:					
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		Total Files Size (in bytes):	1726317		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

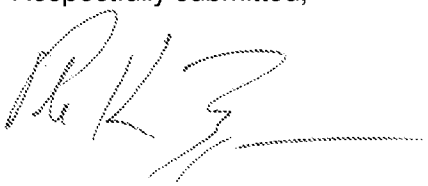
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: January 7, 2011

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2235

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August

24, 2006, Serial No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24, 2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

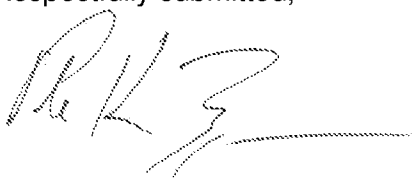
In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. However, no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement. Thus, in accordance with 37 C.F.R. § 1.97(e), no fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Petitioner Microsoft Corporation, Ex. 1002, p. 2237

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,



Date: January 7, 2011

Peter K. Trzyna
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(Customer No. 28710)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2238

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P1-99

	1	VINOD ANUPAM and CHANDRAJIT L. BAJAI. Collaborative Multimedia Scientific Design in SHASTRA. Pgs. 1-12. Department of Computer Sciences, Purdue University, West Lafayette, Indiana.	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-10-20
Name/Print	Peter K Trzyyna	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	8665422
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	20-OCT-2010
Filing Date:	20-SEP-1999
Time Stamp:	16:18:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991TransIDS.pdf	53580 e00d68fc80120c5baac91b75ce0770c81bcd079b	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199IDSMcKesson.pdf	58017 68447e8f4414c6c03545dff9b61fb90b901b4f58	no	3
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08Form4.pdf	36634 3d6a354832931d67841d5aec5ff42f8028ad66f6	no	4
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	ANUPAMCollaborativeMulimediaShastra.pdf	202215 218b82cea64a2e7f53499f3c5049fd95f9ab94f3	no	12
Warnings:					
Information:					
		Total Files Size (in bytes):	350446		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

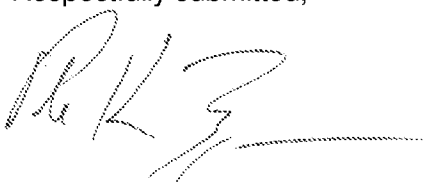
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: October 20, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2246

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August

24, 2006, Serial No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24, 2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

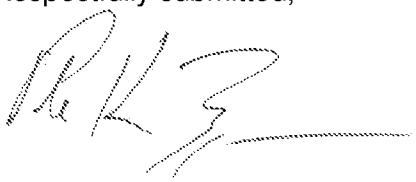
In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. However, no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement. Thus, in accordance with 37 C.F.R. § 1.97(e), no fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Petitioner Microsoft Corporation, Ex. 1002, p. 2248

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,



Date: October 20, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2249

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P1-99

	1	VINOD ANUPAM and CHANDRAJIT L. BAJAI. Shastra: Multimedia Collaborative Design Environment. IEEE Multimedia. Summer; 1994. Pgs. 39-49. Purdue University.	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

CERTIFICATION STATEMENT

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OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-10-19
Name/Print	Peter K Trzyyna	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Petitioner Microsoft Corporation, Ex. 1002, p. 2253

Electronic Acknowledgement Receipt

EFS ID:	8653548
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	19-OCT-2010
Filing Date:	20-SEP-1999
Time Stamp:	14:12:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991TransIDS.pdf	53579 77b234a3d8d384ac5208ea40de88a7fd72b9a668	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199IDSMcKesson.pdf	56161 b817d89fa8d27cf5f9e88607ef0f1e2e9cd85e44	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08Form3.pdf	36578 0be0f7e92309def2f16f93dbab6c9171d648ad6c	no	4
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	ANUPAMShastraMultimedia.pdf	1115515 c14e89c220a7068357f3e42c0fe03dea92eef7df	no	11
Warnings:					
Information:					
		Total Files Size (in bytes):	1261833		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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National Stage of an International Application under 35 U.S.C. 371

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PATENT

Paper No.

Our File No.: AIS-P99-1

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TRANSMITTAL LETTER

S I R :

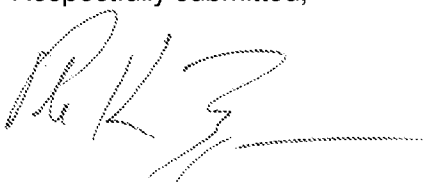
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: October 19, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

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Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2257

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Confirmation No.	:	2427
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August

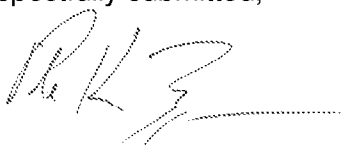
24, 2006, Serial No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24, 2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. Thus, in accordance with 37 C.F.R. § 1.97(c), a fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,



Date: October 19, 2010

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2259

PTO/SB/08a (01-10)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P1-99

	1	"Amendment and Response" filed on July 23, 2010, in Serial No. 11/510,463 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	2	Kankanahalli Srinivas et al., MONET: A Multi-media System for Conferencing and Application Sharing in Distributed Systems, Feb 1992, CERC Techinical Report Series Research Note, 19 pages.	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-09-27
Name/Print	Peter K Trzyyna	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Petitioner Microsoft Corporation, Ex. 1002, p. 2263

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	8502635
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	27-SEP-2010
Filing Date:	20-SEP-1999
Time Stamp:	13:35:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	10545
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991TransIDS.pdf	53563 42ab748f44f2132afaec935a2312347e9b53e7b0	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199idspdf.pdf	56149 14a25d71932af6e14602942f52229f2dce4b050b	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08Form2.pdf	37034 2fa77c691003f7febd1f652c96ea1644d63e4854	no	4
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	AISP306RCEAmendRespFinal.pdf	91039 b59fe628a077576aef211c398ba1ac312fe66019	no	15
Warnings:					
Information:					
5	NPL Documents	KankanahalliMONET.pdf	1275987 31ab17fe8903dcb9b3b1a0088a82c51e6c5e2ebd	no	19
Warnings:					
Information:					
6	Fee Worksheet (PTO-875)	fee-info.pdf	30233 b3ad7a122464ce3490a6f1202c2a1dd45b7f180b	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1544005		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

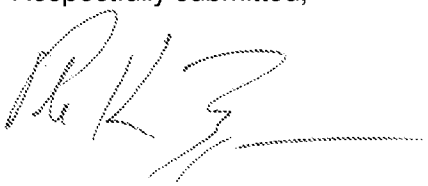
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: September 27, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2270

PATENT

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2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

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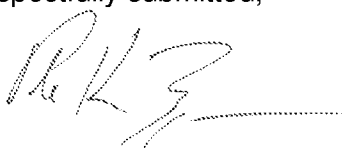
Respectfully submitted,



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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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	1							☐

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

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	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P1-99

	1	"Preliminary Amendment" filed on November 30, 2007, in Serial No. 11/510,351 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	2	"Response to Notice of Non-Responsive reply and Supplemental Amendment and Response" filed on February 6, 2009, in Serial No. 11/510,351 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	3	"Office Action" mailed on July 22, 2009, in Serial No. 11/510,351 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	4	"Amendment and Response" filed on January 19, 2010, in Serial No. 11/510,351 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	5	"Office Action" mailed on March 18, 2008, in Serial No. 11/510,351 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	6	"Amendment and Response" filed on September 18, 2008, in Serial No. 11/510,351 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	7	"Amendment and Response" filed on February 5, 2010, for Serial No. 11/510,473 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	8	"Preliminary Amendment" filed on November 30, 2007, for Serial No. 11/510,473 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	9	"Office Action" mailed on October 5, 2009, for Serial No. 11/510,473 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	10	"Office Action-Final Rejection" mailed on May 12, 2010, for Serial No. 11/510,473 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	11	"Amendment After Final" filed on June 11, 2010, for Serial No. 11/510,473 filed on August 24, 2006, by inventor Daniel L. Marks.	☐

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	12	"Preliminary Amendment" filed on November 30, 2007, in Serial No. 11/510,463 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	13	"Office Action" mailed on September 22, 2009, in Serial No. 11/510,463 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	14	"Corrected Amendment and Response" filed on April 1, 2010, in Serial No. 11/510,463 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	15	"Amendment and Response" filed on March 22, 2010, in Serial No. 11/510,463 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	16	"Office Action-Final Rejection" mailed on June 28, 2010, for Serial No. 11/510,463 filed on August 24, 2006, by inventor Daniel L. Marks.	☐
	17	"Preliminary Amendment" filed on November 30, 2007, for Serial No. 11/836,633 filed on August 9, 2007, by inventor Daniel L. Marks.	☐
	18	"Preliminary Amendment" filed on April 14, 2010, for Serial No. 11/836,633 filed on August 9, 2007, by inventor Daniel L. Marks.	☐
	19	"Third Preliminary Amendment" filed on May 7, 2010, for Serial No. 11/836,633 filed on August 9, 2007, by inventor Daniel L. Marks.	☐
	20	"Fourth Preliminary Amendment" filed on May 25, 2010, for Serial No. 11/836,633 filed on August 9, 2007, by inventor Daniel L. Marks.	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-07-14
Name/Print	Peter K Trzyyna	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	8016829
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	14-JUL-2010
Filing Date:	20-SEP-1999
Time Stamp:	17:07:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	3683
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991TransIDS.pdf	49810 b0b98ec13ffc115955b0ad78bc5efe0d1431abe8	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199IDScorrected.pdf	56296 c7f741e8d139be1d20f4d8aa14b6ba547e9cd5ab	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08FormCorrected.pdf	44939 9998650071a85684a50e207ac41f405a44d5bd4a	no	6
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	AISP106prelimamend11302007.pdf	273965 5c5e2cb6b0c01e18d7e5798b162a894e75689105	no	12
Warnings:					
Information:					
5	NPL Documents	AISP106response02062009.pdf	462956 c3d652f680f10f251e480c2189acd6eeb5977bd7	no	16
Warnings:					
Information:					
6	NPL Documents	AISP106OA072209.pdf	423303 b69441b7d3ceae24820096e53915f4fb0001d600	no	14
Warnings:					
Information:					

7	NPL Documents	AISP106amendrespFinalDraft.pdf	92122 8b26dcc00bd3f5a4fd6be0db2424e7ee36c41923	no	18
Warnings:					
Information:					
8	NPL Documents	AISP106OA031808.pdf	773437 8b350234ec443a1edfe6b8bd4f00242084697e48	no	23
Warnings:					
Information:					
9	NPL Documents	AISP106amendresponse1.pdf	100148 a76650dfb6ef1dd9e7b1cf4d6825bbd812664ea2	no	18
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10	NPL Documents	AISP206finalamendresp.pdf	114019 584d7647debdc067cf26bea04c9b16759280f4e4	no	26
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11	NPL Documents	AISP206prelimamend11302007.pdf	526017 40076baef2053f38b045245ccd9ec56d1f65cac5	no	21
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12	NPL Documents	AISP206OA100509.pdf	3114509 ee5b3c18a20b516011f2ca31e9fd960df25755de	no	49
Warnings:					
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13	NPL Documents	AISP206OA051210.pdf	556885 276c7bfdd4c2cc2ebe0fb92c5a0b843d9e693441	no	18
Warnings:					
Information:					
14	NPL Documents	AISP206AmendAfterFinalFinalDraft.pdf	106016 8247b39a21df23b8aede0812b5761c1253537f9b	no	24
Warnings:					
Information:					
15	NPL Documents	AISP306prelimanemd113007.pdf	286607 f0b55b767eeb1a44825c4c2d32a6b97e9c6de23e	no	12
Warnings:					
Information:					

16	NPL Documents	AISP306OA092209.pdf	1096321 1b7636cf8472506dc59ef35aac3f5146a75abf6f	no	27
Warnings:					
Information:					
17	NPL Documents	AISP306CorrectedAmendRespFinal.pdf	94244 7e3cb4951830ff1fcfc9e27939d591edba2143b6	no	16
Warnings:					
Information:					
18	NPL Documents	AISP306amendresp.pdf	92074 ff012936f9c779c57a34c20831411bfec3b4d5ea	no	16
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Information:					
19	NPL Documents	AISP306OAFR.pdf	4366788 434d1e1ab9d0ce81c17cb72be78067ab47b6f0ab	no	61
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20	NPL Documents	AISP207prelimamend113007.pdf	69261 4b3c133ff57e9454cbbb58b07ff0885f8f751901	no	3
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21	NPL Documents	AISP207PreliminaryAmendment2.pdf	65778 6ef6ad0569b4b3b92ca06039537fe45dc2fc5159	no	8
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22	NPL Documents	aisp207ThirdPrelimamend.pdf	68444 51e1f1c1a1dfafa358a00c0e8601ff5476be16b4	no	8
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23	NPL Documents	AISP207fourthprelimamend.pdf	66730 3f9ebee980e50df187b72d2a29e570a97611684f	no	8
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24	Fee Worksheet (PTO-875)	fee-info.pdf	30234 53661a0c76bf2b0c3b4df6e0748364111d1b8bf6	no	2
Warnings:					
Information:					

Total Files Size (in bytes):	12930903

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

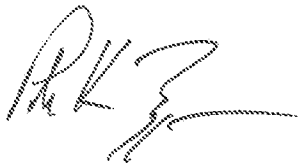
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS **LARGE** ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,



Date: July 14, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2287

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August 24, 2006, Serial No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24,

2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

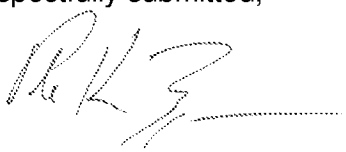
It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references have previously been filed.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. Thus, in accordance with 37 C.F.R. § 1.97(c), a fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,



Date: July 14, 2010

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2289

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Filing Receipt
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application are the following:

1. Request for Corrected Filing Receipt;

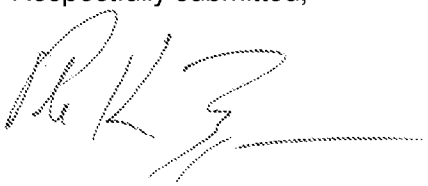
2. Filing Receipt dated October 28, 1999, with corrections thereon in red ink; and

3. Application Data Sheet.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: June 7, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2291

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	20 September 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Filing Receipt
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CORRECTED FILING RECEIPT

S I R :

On September 20, 1999, Applicant submitted a Preliminary Amendment with the original specification that added the Domestic Priority Data. The Filing Receipt issued on October 28, 1999, did not contain the Domestic Priority Data.

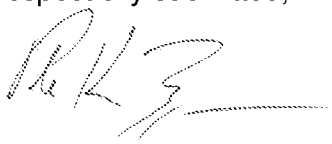
Applicant respectfully requests that a Corrected Filing Receipt be issued in the above-identified application that reflects the Domestic Priority as claimed by applicant. Applicant submits herewith an Application Data Sheet and a copy of page 1 of the Filing Receipt that shows the corrections thereon in red ink.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be

deemed a petition therefore.

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: June 7, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2293

PTO-103X
(Rev. 6-99)

FILING RECEIPT

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/399,578	09/20/99	2756	$760.00	AIS-P99-1	22	1	1

PETER K TRZYNA
BAKER & MCKENZIE
ONE PRUDENTIAL PLAZA
130 EAST RANDLPH DRIVE
CHICAGO IL 60601

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s) DANIEL L. MARKS, GLENVIEW, IL.

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 10/28/99
TITLE
GROUP COMMUNICATINS MULTIPLEXING SYSTEM

PRELIMINARY CLASS: 709

Domestic Priority data as claimed by applicant
This application is a CON of 09/617,658 4/1/96 5,956,491

DATA ENTRY BY: MARTIN, DIANE TEAM: 04 DATE: 10/28/99

(See reverse for new important information)

PTO/SB/14 (07-07)
Approved for use through 06/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	AIS-P99-1
	Application Number	
Title of Invention	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Applicant Information:

Applicant 1 Remove

Applicant Authority ◉ Inventor ○ Legal Representative under 35 U.S.C. 117 ○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Daniel	L	Marks	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Chappel Hill	State/Province	NC	Country of Residence i	US

Citizenship under 37 CFR 1.41(b) i: NC

Mailing Address of Applicant:

Address 1	206 Jay Street		
Address 2	Unit A		
City	Chappel Hill	State/Province	NC
Postal Code	27516	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	28710		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM		
Attorney Docket Number	AIS-P99-1	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	AIS-P99-1
	Application Number	
Title of Invention	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM	

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☒ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S. C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	28710		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
	Continuation of	08617658	1996-04-01	5956491	1999-09-21

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

Remove

Application Number	Country [i]	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			◉ Yes ○ No

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

Assignee Information:

Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office.

Assignee 1 Remove

PTO/SB/14 (07-07)
Approved for use through 06/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	AIS-P99-1
	Application Number	
Title of Invention	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM	

If the Assignee is an Organization check here. ☐				
Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information:			
Address 1			
Address 2			
City		**State/Province**	
Country [i]		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the **Add** button. Add

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/			Date (YYYY-MM-DD)	2010-06-07
First Name	Peter	Last Name	Trzyna	Registration Number	32601

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	7763689
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	07-JUN-2010
Filing Date:	20-SEP-1999
Time Stamp:	19:21:38
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP991transfilingreceipt.pdf	53834 9866fcd145e99dcdc6531c40dcf2b7b965f95965	no	2
Warnings:					
Information:					
2	Request for Corrected Filing Receipt	AISp199requforcorrfilingreceipt.pdf	54380 5a32c2dcf7b94361b249434029959d819a2fd0c6	no	2
Warnings:					
Information:					
3	Request for Corrected Filing Receipt	AISP199CorrectedFilingReceipt.pdf	64973 68b0236bf196ec476f3d7ccf5d534ef577017606	no	1
Warnings:					
Information:					
4	Application Data Sheet	AISP199AppDataSheet.pdf	967122 b3a845d83016e96f5fede0b7cdc52946e211916e	no	4
Warnings:					
Information:					
		Total Files Size (in bytes):	1140309		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

<u>New Applications Under 35 U.S.C. 111</u>
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

<u>National Stage of an International Application under 35 U.S.C. 371</u>
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

<u>New International Application Filed with the USPTO as a Receiving Office</u>
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P1-99

	1	"Office Action-Non-Final Rejection" for Serial No. 11/510,473, mailed May 12, 2010, Pgs. 1-14.	☐
	2	ATUL PRAKASH et al., DistView for Building Efficient Collaborative Applications using Replicated Objects, Proceedings of the 1994 ACM conference on Computer supported cooperative work, pages 153-164	☐
	3	BENTLEY et al., Supporting collaborative information sharing with the World Wide Web: The BSCW shared workspace system, Proceedings of the 4th International World Wide Web Conference, December 1995, 12 pages	☐
	4	K.J. MALY et al., Mosaic + XTV = CoReview, Computer Networks and ISDN Systems, Vol 27 Issue 6, April 1995, pages 849-860, Proceedings of the Thrid International World Wide Web Conference	☐

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P1-99

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-05-25
Name/Print	Peter K Trzyyna	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Petitioner Microsoft Corporation, Ex. 1002, p. 2304

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	7703629
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	27-MAY-2010
Filing Date:	20-SEP-1999
Time Stamp:	17:08:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	3637
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP199Trans20.pdf	53560 48b7f976d40790ee9694beba0dc83a4956fec3de	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199ids20.pdf	56272 4499367c51c9754640bd01e61e4b3dd10021d21d	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08Form.pdf	612094 73015e48fcbffceec4953987ad0c1fa0d3e6256f	no	4
Warnings:					
Information:					
A U.S. Patent Number Citation or a U.S. Publication Number Citation is required in the Information Disclosure Statement (IDS) form for autoloading of data into USPTO systems. You may remove the form to add the required data in order to correct the Informational Message if you are citing U.S. References. If you chose not to include U.S. References, the image of the form will be processed and be made available within the Image File Wrapper (IFW) system. However, no data will be extracted from this form. Any additional data such as Foreign Patent Documents or Non Patent Literature will be manually reviewed and keyed into USPTO systems.					
4	NPL Documents	AISP206mosaicarticle.pdf	1422804 c13adb45d023a84a3b3a31f6ae3a36c6b900ba1	no	12
Warnings:					
Information:					
5	NPL Documents	AISP206supportcollabarticle.pdf	1239035 6b6e9bb303083cf76758caca5ee7eddf9e66b97b	no	12
Warnings:					
Information:					
6	NPL Documents	AISP206distviewarticle.pdf	1483923 4a3f70129b16891cd44d4a5e3344386c12c7c2ad	no	12

Warnings:					
Information:					
7	NPL Documents	AISP206OA051210.pdf	556885 276c7bfdd4c2cc2ebe0fb92c5a0b843d9e693441	no	18
Warnings:					
Information:					
8	Fee Worksheet (PTO-875)	fee-info.pdf	30234 02f1477f0226b9e17d7f04b471bc91a83c643164	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	5454807		

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

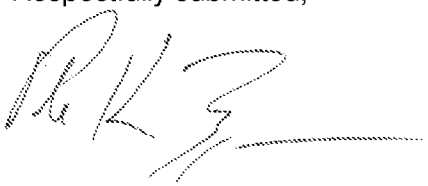
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: May 27, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2311

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August 24, 2006, Serial No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24,

2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

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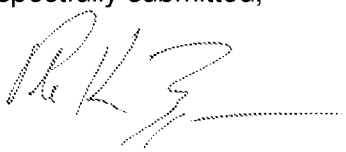
Respectfully submitted,



Date: May 27, 2010

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2313

PTO/SB/08a (01-10)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P99-1

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P99-1

	1	"Third Preliminary Amendment," for Serial No. 11/836,633, filed on May 7, 2010. Pgs. 1-8.	☐
	2	"Preliminary Amendment," for Serial No. 11/836,633, filed on April 14, 2010. Pgs. 1-8.	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P99-1

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-05-10
Name/Print	Peter K. Trzyna, Esq.	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Petitioner Microsoft Corporation, Ex. 1002, p. 2317

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	7580771
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	10-MAY-2010
Filing Date:	20-SEP-1999
Time Stamp:	15:14:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	1493
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991TransIDS.pdf	53559 9221dee74b8bdab96b0d771a5cd183736323d5de	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199IDSMcKesson.pdf	56272 c92e0bdc43d9832189034a6665bfec727a9ad9f3	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08aForm5.pdf	36868 0e351894e115590f2af57f4f3ba1d17d9b05127c	no	4
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	aisp207ThirdPrelimamend.pdf	68444 51e1f1c1a1dfafa358a00c0e8601ff5476be16b4	no	8
Warnings:					
Information:					
5	NPL Documents	AISP207PreliminaryAmendment2.pdf	65778 6ef6ad0569b4b3b92ca06039537fe45dc2fc5159	no	8
Warnings:					
Information:					
6	Fee Worksheet (PTO-875)	fee-info.pdf	30233 6f5f399e848b90ff6b3f447a810ac64f437a534a	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	311154		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

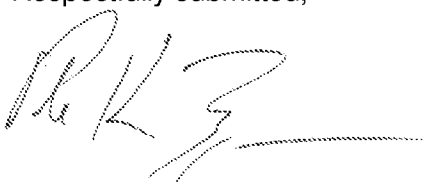
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: May 10, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2324

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
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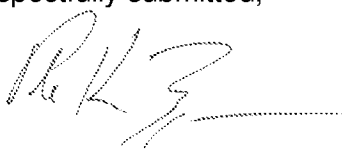

Date: May 10, 2010

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2326

PTO/SB/08a (01-10)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
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Attorney Docket Number	AIS-P99-1

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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	1							☐

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P99-1

	1	"Corrected Amendment and Response," for Serial No. 11/510,463 filed on April 1, 2010. Pgs. 1-16.	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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Filing Date	1999-09-20
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☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-03-23
Name/Print	Peter K. Trzyna, Esq.	Registration Number	32,601

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	7368755
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	07-APR-2010
Filing Date:	20-SEP-1999
Time Stamp:	15:04:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	1368
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991transids4.pdf	53557 79c4347e8c6ede60c84907987330bd26e1dd52c8	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199ids4.pdf	56270 0ca92e583abf0bda35242470d9bac06b5e6570f8	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08aform4.pdf	36651 1a0ead04a26d0aee0b8de90f0cec637af30f3a7b	no	4
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	AISP306CorrectedAmendRespFinal.pdf	94244 7e3cb4951830ff1fcfc9e27939d591edba2143b6	no	16
Warnings:					
Information:					
5	Fee Worksheet (PTO-875)	fee-info.pdf	30095 106a481056c19442af6e7c232607301f4e487cea	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	270817		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

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PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

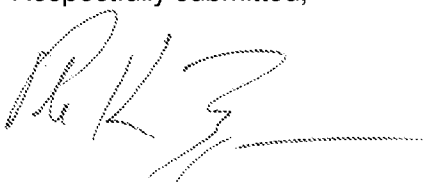
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: April 7, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2337

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August 24, 2006, Serial No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24,

2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

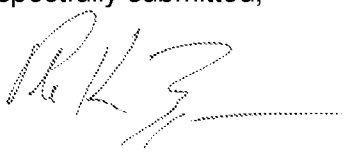
It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. Thus, in accordance with 37 C.F.R. § 1.97(c), a fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,



Date: April 7, 2010

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2339

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P99-1

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P99-1

	1	"Amendment and Response," for Serial No. 11/510,463 filed on March 22, 2010. Pgs. 1-16.	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P99-1

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-03-23
Name/Print	Peter K. Trzyna, Esq.	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

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Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
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Petition:				
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Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	7265903
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	23-MAR-2010
Filing Date:	20-SEP-1999
Time Stamp:	14:40:05
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	11584
Deposit Account	500235
Authorized User	

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991transids3.pdf	53560 8c6398976443c889dfeb7d8a5539f797492ab484	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199ids3.pdf	56276 674bb63e3564fe0d1c20c25a84d42c1f46e55e35	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08aform3.pdf	36642 c5d6d52a5550c6343cd71802c6012c36258d8332	no	4
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	AISP306amendresp.pdf	92074 ff012936f9c779c57a34c20831411bfec3b4d5ea	no	16
Warnings:					
Information:					
5	Fee Worksheet (PTO-875)	fee-info.pdf	30234 88139d8c050284208dd3e1000cb5af992d89c74d	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	268786		

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PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

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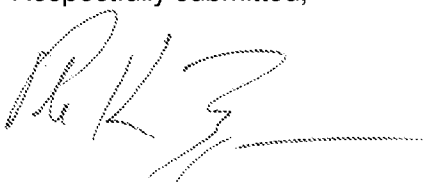
Respectfully submitted,



Date: March 23, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2350

PATENT

Paper No.

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MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August 24, 2006, Serial No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24,

2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

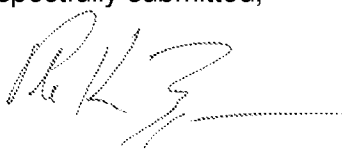
It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. Thus, in accordance with 37 C.F.R. § 1.97(c), a fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,



Date: March 23, 2010

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2352

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(**Not for submission under 37 CFR 1.99)**

Application Number	09399578
Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P99-1

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	09399578
	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P99-1

	1	"Amendment and Response," for Serial No. 11/510,473 filed on February 5, 2010. Pgs. 1-26.	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

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First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P99-1

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-02-09
Name/Print	Peter K. Trzyna, Esq.	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Petitioner Microsoft Corporation, Ex. 1002, p. 2356

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	6978458
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	09-FEB-2010
Filing Date:	20-SEP-1999
Time Stamp:	15:37:33
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	1680
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991trans2pdf.pdf	53562 ad159a2d42ded871ef9f9595383414aecb3b621c	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199ids2pdf.pdf	56270 e5da3a0af1c8df1776984c2402342a8ff83e026e	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08Form2.pdf	36653 1a0ad5438ccc2074daacf0ff7a94e5ff4d459af7	no	4
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	AISP206finalamendresp.pdf	114019 584d7647debdc067cf26bea04c9b16759280f4e4	no	26
Warnings:					
Information:					
5	Fee Worksheet (PTO-875)	fee-info.pdf	30233 8885719015bbb7afd774765a4e955e92f2ed73ee	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	290737		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

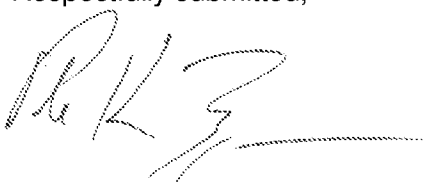
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: February 9, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2363

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
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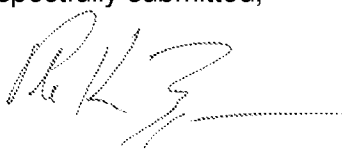
Respectfully submitted,



Date: February 9, 2010

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(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2365

PTO/SB/08a (01-10)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Filing Date	1999-09-20
First Named Inventor	MARKS, Daniel L.
Art Unit	2445
Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P99-1

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5452299	US	1995-09-19	Thessin et al.	
	2	5347632	US	1994-09-13	Filepp et al.	
	3	5408470	US	1995-04-18	Rothrock et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
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	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P99-1

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	"Preliminary Amendment," for Serial No. 11/510,351 filed on November 30, 2007.	☐
	2	"Response to Notice of Non-Responsive reply and Supplemental Amendment and Response," for Serial No. 11/510,351 filed on February 6, 2009.	☐
	3	"Office Action-Non-Final Rejection" for Serial No. 11/510,351, mailed July 22, 2009. Pgs. 1-14.	☐
	4	"Amendment and Response" for Serial No. 11/510,351 filed on January 19, 2010. Pgs. 1-18.	☐
	5	"Preliminary Amendment," for Serial No. 11/510,463 filed on November 30, 2007. Pgs. 1-12.	☐
	6	"Second Preliminary Amendment," for Serial No. 11/510,473 filed on November 30, 2007. Pgs. 1-21.	☐
	7	"Preliminary Amendment," for Serial No. 11/836,633 filed on November 30, 2007. Pgs. 1-3.	☐
	8	"Office Action-Non-Final Rejection for Serial No. 11/510,473, mailed on October 5, 2009. Pgs. 1-49.	☐
	9	Tim Meyer et al., A MOO-Based Collaboration Hypermedia System for WWW, Proceedings for Second International Conference for WWW, October 1994.	☐

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	Filing Date	1999-09-20
	First Named Inventor	MARKS, Daniel L.
	Art Unit	2445
	Examiner Name	WINDER, Patrice L.
	Attorney Docket Number	AIS-P99-1

	10	Paul Kindberg et al., Mushroom: a framework for collaboration and interaction across the Internet, In the Proceedings of ERCIM Workshop on CSCW and the Web, February 1996, 11 pages.	☐
	11	"Office Action-Non-Final Rejection" for Serial No. 11/510,463, mailed on September 22, 2009. Pgs. 1-27.	☐
	12	Pavel Curtis et al., MUDS Grow Up: Social Virtual Reality in the Real World, Xerox PARC, January 1993, 6 pages.	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

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Examiner Name	WINDER, Patrice L.
Attorney Docket Number	AIS-P99-1

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☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

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Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2010-02-03
Name/Print	Peter K. Trzyna, Esq.	Registration Number	32,601

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	6937421
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	03-FEB-2010
Filing Date:	20-SEP-1999
Time Stamp:	10:52:43
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	18071
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	AISP991transids.pdf	53558 6d7e6b79ae48f1cc356d5a88c03c146fb9b9500a	no	2
Warnings:					
Information:					
2	1.501 Submission by Patent Owner	aisp199ids.pdf	56276 b1b6a92187d259aee72d33276a6571a9140fe5cf	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199SB08Form.pdf	42345 ecba8ff5e6bdabc6fb0b8405b1bcca1b1d4fb5de	no	5
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	US5452299.pdf	2233959 6fc5a757af806c43b8d14993ef32423650f79ca7	no	39
Warnings:					
Information:					
5	NPL Documents	US5347632.pdf	1202352 7a509697254c6f3bdb9b67fa0eedfc03e3c6cad0	no	68
Warnings:					
Information:					
6	NPL Documents	US5408470.pdf	524082 56d7b1ecc2700028d8daa303f1ea3ad367fd9bc5	no	37
Warnings:					
Information:					

7	NPL Documents	AISP106prelimamend11302007.pdf	273965 5c5e2cb6b0c01e18d7e5798b162a894e75689105	no	12
Warnings:					
Information:					
8	NPL Documents	AISP106response02062009.pdf	462956 c3d652f680f10f251e480c2189acd6eeb5977bd7	no	16
Warnings:					
Information:					
9	NPL Documents	AISP106OA072209.pdf	423303 b69441b7d3ceae24820096e53915f4ffb0001d600	no	14
Warnings:					
Information:					
10	NPL Documents	AISP106amendrespFinalDraft.pdf	92122 8b26dcc00bd3f5a4fd6be0db2424e7ee36c41923	no	18
Warnings:					
Information:					
11	NPL Documents	AISP306prelimanemd113007.pdf	286607 f0b55b767eeb1a44825c4c2d32a6b97e9c6de23e	no	12
Warnings:					
Information:					
12	NPL Documents	AISP206prelimamend11302007.pdf	526017 40076baef2053f38b045245ccd9ec56d1f65cac5	no	21
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Information:					
13	NPL Documents	AISP207prelimamend113007.pdf	69261 4b3c133ff57e9454cbbb58b07ff0885f8f751901	no	3
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Information:					
14	NPL Documents	AISP206OA100509.pdf	3114509 ee5b3c18a20b516011f2ca31e9fd960df25755de	no	49
Warnings:					
Information:					
15	NPL Documents	MeyerMOOBased.pdf	779428 a2033f9216898ae5680c68e9fc71e6cf8e72716f	no	11
Warnings:					
Information:					

16	NPL Documents	KindbergMushroom.pdf	815390 acf695babd98a9b4efe711de2149175b5342fad7	no	11
Warnings:					
Information:					
17	NPL Documents	AISP306OA092209.pdf	1096321 1b7636cf8472506dc59ef35aac3f5146a75abf6f	no	27
Warnings:					
Information:					
18	NPL Documents	CurtisMuddsgrowup.pdf	426253 3606785a264183f8acc0a8a7f8449801ff84ed42	no	6
Warnings:					
Information:					
19	Fee Worksheet (PTO-875)	fee-info.pdf	30234 43e8e1b11f092089de1ca641c3a9bc334207e210	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	12508938		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

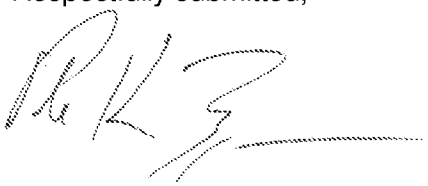
Transmitted herewith for filing in the above-identified patent application are the following:

1. Information Disclosure Statement;
2. PTO/SB/08a-Form; and
3. Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: February 3, 2010

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2378

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. Applicant requests that the Examiner check those files for such materials. Applicant also requests that the Examiner consider the enclosed, be aware of Serial No. 11/510,351, filed August 24, 2006, Serial No. 11/510,473, filed August 24, 2006, Serial No. 11/510,463, filed August 24,

2006, Serial No. 11/780,352, filed July 19, 2007, and Serial No. 11/836,633, filed August 9, 2007, and check these applications for such materials.

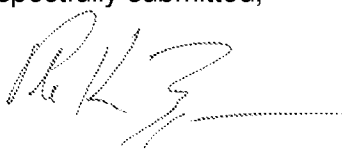
It is respectfully requested that this Information Disclosure Statement be entered and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. Thus, in accordance with 37 C.F.R. § 1.97(c), a fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,



Date: February 3, 2010

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2380

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

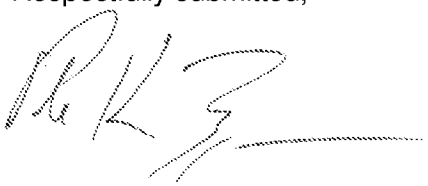
Transmitted herewith for filing in the above-identified patent application is the following:

1. Response to Miscellaneous Letter with Response Period; and

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: December 15, 2009

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2382

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO MISCELLANOUS LETTER WITH RESPONSE PERIOD

S I R :

The Examiner contends that the reply document filed on 24 July 2009 is not fully responsive to the prior Office Action because the reply does not cancel the previously withdrawn claims. In response, Applicant respectfully requests that all withdrawn claims be cancelled, particularly claims 165, 409, 599, 632-725, 755-844, 862-876, 879-883, 886-890, 893-954, 963-972, 977, and 989-995.

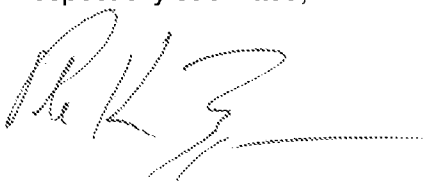
The Examiner is invited to contact the undersigned at the telephone number set out below if it can in any way expedite or facilitate issuance of a patent on the application.

The application is believed to be in condition for allowance, and favorable action is respectfully requested. Please direct all correspondence to the undersigned at the address given below.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: December 15, 2009

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2384

Electronic Acknowledgement Receipt

EFS ID:	6642912
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	15-DEC-2009
Filing Date:	20-SEP-1999
Time Stamp:	18:03:55
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP991transnoncomp.pdf	53523 b72e158291f8fe01c2adc22de9de99ccb6cc61ca	no	2
Warnings:					
Information:					
2	Applicant Arguments/Remarks Made in an Amendment	AISP991resptononcompliant.pdf	54548 54628581e094dd582695f4321c8134793d18468f	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	108071		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 11/24/2009

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER	
WINDER, PATRICE L	

ART UNIT	PAPER NUMBER
2445	

MAIL DATE	DELIVERY MODE
11/24/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Miscellaneous Letter with Response Period

1. The reply filed on July 24, 2009 is not fully responsive to the prior Office Action because of the following omission(s) or matter(s): the reply does not cancel the previously withdrawn claims. See 37 CFR 1.111. Since the above-mentioned reply appears to be *bona fide*, applicant is given **ONE (1) MONTH or THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrice Winder whose telephone number is 571-272-3935. The examiner can normally be reached on Monday-Friday, 10:30 am-7:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivek Srivastava can be reached on 571-272-7304. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Patrice Winder/
Primary Examiner, Art Unit 2445

November 23, 2009

PATENT

Paper No.

Our File No.: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

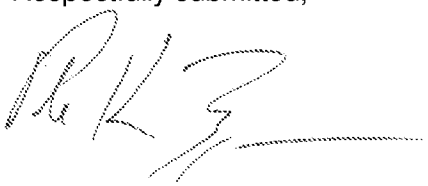
Transmitted herewith for filing in the above-identified patent application is the following:

1. Response and Applicant Summary of Interview with Examiner.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below

Respectfully submitted,



Date: July 24, 2009

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2391

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	20 September 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE AND APPLICANT
SUMMARY OF INTERVIEW WITH EXAMINER

S I R :

In response to the Office Action dated June 25, 2009, please enter the enclosed remarks and reconsider the application. It is believed no new matter has been added.

II. Remarks

The undersigned would like to express appreciation to the Examiner for the examination and courtesy accorded.

Based on the notice that the claims listed on PTO-326 are allowed, Applicant respectfully wishes to withdraw the traversal to the restriction requirement set out in the response of June 15, 2007.

With respect to the present application, the Applicant hereby rescinds any disclaimer of claim scope made in this or the parent application or any predecessor or related application. The Examiner is advised that any previous disclaimer, if any, and the prior art that it was made to avoid, may need to be revisited. Nor should a disclaimer, if any, in the present application be read back into any predecessor or to any related application.

Favorable action is requested, and if the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

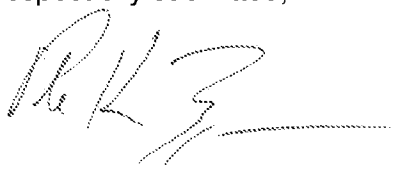
APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefore.

Petitioner Microsoft Corporation, Ex. 1002, p. 2393

Responsive to the Interview Summary, Applicant respectfully corrects that Applicant's proposal was that the 1st determining and the 2nd determining are distinct and could be flagged as such for antecedent basis purposes, but that there was no intent as to a specific sequence of these steps in the discussed claims.

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: July 24, 2009

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2394

Electronic Acknowledgement Receipt

EFS ID:	5765165
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	24-JUL-2009
Filing Date:	20-SEP-1999
Time Stamp:	14:44:36
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP991Trans.pdf	53541 5667b868d754b0b3921a2ecb809a8e68eefde15f	no	2
Warnings:					
Information:					
2		AISp199FinalresponseiInterviewSummary.pdf	57688 7b7742af20756d1d4577f86e9ce7f1509def74f3	yes	3

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Applicant Arguments/Remarks Made in an Amendment	1	2
	Applicant summary of interview with examiner	3	3

Warnings:	
Information:	
Total Files Size (in bytes):	111229

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 06/25/2009

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER	
WINDER, PATRICE L	

ART UNIT	PAPER NUMBER
2445	

MAIL DATE	DELIVERY MODE
06/25/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice Winder	2445	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Patrice Winder*. (3)_____.

(2) *Peter Trzyna*. (4)_____.

Date of Interview: *17 December 2008*.

Type: a)☐ Telephonic b)☐ Video Conference
c)☒ Personal [copy given to: 1)☐ applicant 2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☒ No.
If Yes, brief description: _____.

Claim(s) discussed: *1 and 604*.

Identification of prior art discussed: *Brown*.

Agreement with respect to the claims f)☐ was reached. g)☒ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *See Continuation Sheet*.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Petitioner Microsoft Corporation, Ex. 1002, p. 2398

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

———

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant argues that Brown does not specifically teach 1st determining that user identities are censored from communications. Applicant also argues that Brown does not specifically teach 2nd receiving communications which are not censored. Applicant pointed to col. 3, lines 13-20, that the "access objects" are on a per-group basis. The rebuttal is this is directed to the claims that were not considered in the final. Also, Brown does not prohibit providing the access rights individually so a combination/motivation statement will be made.

Then applicant argues that Brown restricts access to "objects" not "censoring" receiving communications. Meaning controlling "access" to objects is not the same thing as restricting the "receiving" communication. The rebuttal was the Brown's access rights function to moderate the Chat room i.e. based on the access rights communication is enabled or disabled because "access" defines read/write. Applicant that "reading" a content object is not the same thing as "receiving" a message. The rebuttal was that the communication in Brown's chat room is described in objects and sending/receiving messages is "accessing" object. (This is supported on column 10, lines 15-35). The chat room is an object and the communication messages are also an object.

As is evident from this exchange it is clear that agreement was not reached. However, the applicant and the examiner have a better perspective the claim interpretation.

Lastly, applicant argues that Brown does not specifically teach a 2nd determination step and "censoring" communications based on the 2nd determination step. The rebuttal was that language did not appear to be in the claims. Applicant proposed clarifying that there is a 1st determination step to form a group, a 2nd determination step to determine whether communication types are censored and the condition of receiving communication is based on the 2nd determination step.

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Office Action Summary	Application No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice Winder	2445	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *07 April 2009*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *See Continuation Sheet* is/are pending in the application.

4a) Of the above claim(s) *See Continuation Sheet* is/are withdrawn from consideration.

5)☒ Claim(s) *See Continuation Sheet* is/are allowed.

6)☐ Claim(s) _____ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *8-15-2007; 12-16-2008*.
4) ☒ Interview Summary (PTO-413) Paper No(s)/Mail Date. *20081217* .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Continuation of Disposition of Claims: Claims pending in the application are 1-291,309-366,376-502,504-519,521-536,538-553,555-570,572-590 and 592-995.
Continuation of Disposition of Claims: Claims withdrawn from consideration are 165,409,599,632-725,755-844,862-876,879-883,886-890,893-954,963-972,977 and 989-995.
Continuation of Disposition of Claims: Claims allowed are 1-164,166-291,309-365,376-408, 410-502, 504-519, 521-536, 538-553, 555-570, 572-590, 592-598,600-631,726-754,845-861,877,884,885,891,892,955-962,973-976 and 978-988.

Petitioner Microsoft Corporation, Ex. 1002, p. 2402

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on April 7, 2009 has been entered.

Election/Restrictions

2. This application is in condition for allowance except for the presence of claims directed to an invention non-elected with traverse in the reply filed on June 15, 2007. Applicant is given ONE MONTH or THIRTY DAYS from the date of this letter, whichever is longer, to cancel the noted claims or take other appropriate action (37 CFR 1.144). Failure to take action during this period will be treated as authorization to cancel the noted claims by Examiner's Amendment and pass the case to issue. Extensions of time under 37 CFR 1.136(a) will not be permitted since this application will be passed to issue.

The prosecution of this case is closed except for consideration of the above matter.

Allowable Subject Matter

3. Claims listed on the PTO-326 are allowed.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrice Winder whose telephone number is 571-272-3935. The examiner can normally be reached on Monday-Friday, 10:30 am-7:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivek Srivastava can be reached on 571-272-7304. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Patrice Winder/
Primary Examiner, Art Unit 2445

June 22, 2009

PTO/SB/08A (08-03)
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	Marks, Daniel L.
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No.[1]	Document Number Number Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	5,613,056	03/18/1997	Gasper, et al.	
	A2	5,617,539	04/01/1997	Ludwig, et al.	
	A3	5,627,978	05/06/1997	Altom, et al.	
	A4	5,682,469	10/28/1997	Linnett, et al.	
	A5	5,713,019	01/27/1998	Keaten	
	A6	5,721,763	02/24/1998	Joseph, et al.	
	A7	5,729,684	05/17/1998	Kuzma	
	A8	5,754,775	05/19/1998	Adamson, et al.	
	A9	5,784,568	07/21/1998	Needham	
	A10	5,794,006	08/11/1998	Sanderman	
	A11	5,794,210	08/11/1998	Goldhaber, et al.	
	A12	5,801,700	09/01/1998	Ferguson	
	A13	5,802,281	09/01/1998	Clapp, et al.	
	A14	5,822,523	10/13/1998	Rothschild, et al.	
	A15	5,850,442	12/15/1998	Muftic	
	A16	5,880,731	03/09/1999	Liles, et al.	
	A17	5,889,843	03/30/1999	Singer, et al.	
	A18	5,924,082	07/13/1999	Silverman, et al.	
	A19	5,933,599	08/03/1999	Nolan	
	A20	5,941,947	08/24/1999	Brown, et al.	
	A21	5,974,409	10/26/1999	Sanu, et al.	
	A22	5,987,401	11/16/1999	Trudeau	
	A23	6,692,359	02/17/2004	Williams, et al.	
	A24	4,710,917	12/01/1987	Tompkins, et al.	
	A25	4,953,159	08/28/1990	Hayden, et al.	
	A26	5,195,086	03/16/1993	Baumgartner, et al.	
	A27	5,257,306	10/26/1993	Watanabe	
	A28	5,347,306	09/13/1994	Nitta	
	A29	5,465,370	11/07/1995	Ito, et al.	
	A30	5,471,318	11/28/1995	Ahuja, et al.	
	A31	5,491,743	02/13/1996	Shiio, et. al.	
	A32	5,572,248	11/05/1996	Allen, et al.	
	A33	5,572,643	11/05/1996	Judson	

EXAMINER SIGNATURE	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1]Applicant's unique citation designation number (optional). [2]See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 Of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A34	5,593,478	01/07/1997	Weiss	
	A35	5,440,624	08/08/1995	Schoof, II	
	A36	5,774,668	06/30/1998	Choquier, et al.	
	A37	5,799,151	08/25/1998	Hoffer	
	A38	5,812,552	09/22/1998	Arora, et al.	
	A39	5,826,085	10/20/1998	Bennett, et al.	
	A40	5,933,599	08/03/1999	Nolan	
	A41	5,956,509	09/21/1999	Kevner	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A42	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Complaint" filed 6/24/2004.
	A43	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Notice of Claim Involving a Patent" filed 6/24/2004.
	A44	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "First Amended Answer to the Complaint, and Counterclaim of Defendant America Online, Inc." filed 9/14/2004
	A45	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Plaintiff's Reply to the First Amended Counterclaim of Defendant America Online, Inc." filed 9/28/2004.
	A46	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated April 29, 2005.

EXAMINER	DATE CONSIDERED

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 Of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	A47	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Second Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated May 20, 2005.
	A48	NETSCAPE, "Netscape Power Pack Bookmarks, Chat, and Multimedia Add-Ons". (AOL 613167-613172)
	A49	NETSCAPE, "Netscape Announces Add-On Product Suite for Popular Netscape Navigator Software, Netscape Power Pack Includes Netscape SmartMarks, Netscape Chat and Multimedia Add-On Applications From Adobe, Apple, and Progressive Networks" Press Release, 05/11/2005, pp. 1-3. (AOL 613244-613246)
	A50	PR NEWSWIRE ASSOC., INC. "Netscape Announces Add-On Product Suite For Popular Netscape Navigator™ Software" Article, 10/25/1995, pp. 1-2. (AOL 613247-613248)
	A51	NETSCAPE, "Netscape Chat Help Contents" Manual. (AOL 613173-613243)
	A52	WIRED CHANNELING "Tips for Foiling the NSA" Article, 01/1996, pg. 174. (AOL 469104-469105)
	A53	FLASH NEWS "Market Support News, Jacksonville Update" Article, 05/19/1995, pp. 1-4, (AOL 469106-469109)
	A54	PALFREYMAN, et al., "A Protocol for User Awareness on the World Wide Web", Article, 1996, pp. 130-139. (AOL 469110-469119)
	A55	ROBINETT, "Interactivity and Individual Viewpoint in Shared Virtual Worlds: The Big Screen vs. Networked Personal Displays", Article, Computer Graphics, Vol. 28, No. 2, 05/1994, pp. 127-130. (AOL 074871-074874)
	A56	OHYA, et al., "Real-Time Reproduction of 3D Human Images in Virtual Space Teleconferencing", Article, pp. 408-414. (AOL 074875-074881)
	A57	FUKUDA, et al., "Hypermedia Personal Computer Communication System : Fujitsu Habitat", Fujitsu Sci. Tech. J., 10/1990, Vol. 26, No. 3, pp. 197-206. (AOL 074882-074893)
	A58	CARLSSON, "DIVE – a Multi-User Virtual Reality System", Article, IEEE 1993, pp. 394-400. (AOL 074894-074900)
	A59	BENFORD, et al., "Supporting Cooperative Work in Virtual Environments", The Computer Journal, Vol. 37, No. 8, 1994, pp. 653-668. (AOL 074901-074916)
	A60	FARALLON COMPUTING, INC., "Timbuktu™ User's Guide, Manual, pp. 1-98. (AOL 074917-075026
	A61	BERLAGE, et al., "A Framework For Shared Applications With a Replicated Architecture", Article, 11/3-5/1993, pp. 249-257. (AOL 075027-075035)
	A62	SOHLENKAMP, "A Virtual Office Environment Supporting Shared Applications", Article, 02/7-11/1994. (AOL 075036-075044)

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Sheet 4 Of 8

Complete if Known	
Application Number	09/389,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

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	A63	FARALLON COMPUTING, INC., "Timbuktu/Remote™ User's Guide", Article, pp. 6-8. (AOL 075063-075066)
	A64	GAJEWSKA, et al., "Argo: A System for Distributed Collaboration", Article, pp. 1-12. (AOL 075080-075091)
	A65	HANDLEY, et al., "CCCP: Conference Control Channel Protocol A Scalable Base for Building Conference Control Applications", pp. 1-18. (AOL 075092-075109)
	A66	BAHR, et al., "Multimedia Conferencing in a Packet Switched Environment", Article. (AOL 075110-075113)
	A67	SASSE, et al., "Multimedia Conferencing over the Internet, The MICE Project", Article, pp. 1-17. (AOL 075114-075130)
	A68	SASSE, et al., "Interacting with Multi-media, Multi-user Systems: Observations on Multi-Media Conferencing Tools", Article. (AOL 075131-075144)
	A69	HANDLEY, et al., "The Conference Control Channel Protocol (CCCP): A Scalable Base for Building Conference Control Applications", Article, 1995, pp. 275-287. (AOL 075145-075157)
	A70	SASSE, et al., "Remote Seminars through Multimedia Conferencing: Experiences from the MICE Project", Article, Proc. INET '94/JENC5, pp. 1-8. (AOL 075158-075165)
	A71	HANDLEY, et al., "Multimedia Integrated Conferencing for European Researchers (MICE): Piloting Activities and the Conference Management and Multiplexing Centre", Article, pp. 1-14. (AOL 075183-075196)
	A72	KIRSTEIN, et al., "Piloting of Multimedia Integrated Communications for European Researchers (MICE)", Article, Proc. INET '93, pp. 1-12. (AOL 075197-075208)
	A73	KIRSTEIN, et al., "Recent Activities in the MICE Conferencing Project", Article, Proc. INET '95. (AOL 075209-075218)
	A74	TURLETTI, "The INRIA Videoconferencing System", Article, pp. 1-7. (AOL 075219-075225)
	A75	BAHR, et al., "Incorporating Security Functions in Multimedia Conferencing Applications in the Context of the MICE Project", Article. (AOL 075226-075233)
	A76	BILTING, et al., "International Research Seminars through Multimedia conferencing. Experiences from the MICE Project", Article. (AOL 075234-075237)
	A77	SASSE, et al., "Multimedia Conferencing Over The Internet: The MICE Project and Tools", Article, pp. 1-11. (AOL 075238-075248)
	A78	SASSE, et al., "Remote Seminars through Multimedia Conferencing: Experiences from the MICE Project", Article, Proc. INET '94/JENC5. (AOL 075249-075260)
	A79	CLAYMAN, et al., "The Interworking of Internet and ISDN Networks for Multimedia Conferencing", Article, pp. 1-28. (AOL 075261-075288)
	A80	BYTE, "Network and Windows 95 Take Top BYTE Awards", Article, July 1995. (AOL 055731-055732)

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Sheet 5 Of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	A81	COMPUSERVE, "CompuServe Producer User Guide", Article, 04/19/1995, pp. 1-36. (AOL 055743-055779)
	A82	REESE, et al., "Online with Start Kesmai Air Warrior", Article. (AOL 055780-055781)
	A83	MAWBY, "Designing Collaborative Writing Tools", Article, 1991, pp. 1-191. (AOL 074678-074870)
	A84	DONATH, "The Illustrated Conversation", Article, 1995, pp. 79-88. (AOL 052115-052124)
	A85	DONATH, "Sociable Information Spaces", Article, 06/20-22/1995, pp. 269-273. (AOL 052127-052131)
	A86	MASINTER, "Collaborative Information Retrieval: Gopher from MOO", Article, Proc. INET '93. (AOL 052153-052161)
	A87	ROSEMAN, et. al., "TeamRooms: Groupware for Shared Electronic Spaces", Article. (AOL 052162-052163)
	A88	ROSEMAN, "Managing Complexity in TeamRooms, a Tcl-Based Internet Groupware Application", Article. (AOL 052164-052171)
	A89	ROSEMAN, et. al., "TeamRooms: Network Places for Collaboration", Article. (AOL 052172-052180)
	A90	CURTIS, "Mudding: Social Phenomena in Text-Based Virtual Realities", Article, 03/03/1992, pp. 1-21. (AOL 052181-052201)
	A91	NICHOLS, et. al., "High-Latency, Low-Bandwidth Windowing in the Jupiter Collaboration System", Article, UIST '95, 11/14-17/1995, pp. 111-120. (AOL 052202-052211)
	A92	CURTIS, et. al , "The Jupiter Audio/Video Architecture: Secure Multimedia in Network Places", Article, 1995, pp. 1-12. (AOL 052212-052223)
	A93	CRAMPTON, "MUSK – a Multi-User Sketch Program", Article, pp. 17-29. (AOL 052224-052236)
	A94	BONFIGLIO, et al., "Conference Toolkit: A Framework for Real-Time Conferencing", Article, pp. 303-316. (AOL 052237-052250)
	A95	LEE, "Xsketch: A Multi-User Sketching Tool For X11", Article, 1990, pp. 169-173. (AOL 052251-052255)
	A96	AHUJA, et al., "Supporting Multi-Phase Groupware Over Long Distances", Article, 1989 IEEE, pp. 1227-1231. (AOL 052256-052260)
	A97	AHUJA, et al., "A Comparison of Application Sharing Mechanisms in Real-Time DeskTop Conferencing Systems", Article, pp. 238-248. (AOL 052261-052271)
	A98	PATTERSON, et al., "Rendezvous: An Architecture for Synchronous Multi-User Applications", Article, 10/1990, pp. 317-328. (AOL 052272-052283)
	A99	PATTERSON, "Comparing the Programming Demands of Single-User and Multi-User Applications", Article, UIST'91, 11/11-13/1991, pp. 87-94. (AOL 052284-052291)

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Sheet 6 Of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

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	A100	LU, et al., "Idea Management In a Shared Drawing Tool", Article, ECSCW 1991, pp. 97-112. (AOL 052292-052307)
	A101	LU, "Supporting Idea Management in a Shared Drawing Tool", Article, 1992, pp. 29-113. (AOL 052308-052364)
	A102	WEXELBLAT, "Building Collaborative Interfaces", Article, 05/1991, pp. 1-40. (AOL 052365-052405)
	A103	WATABE, et al., "Distributed Desktop Conferencing System with Multiuser Multimedia Interface", Article, 1991 IEEE, pp. 531-539. (AOL 052406-052414)
	A104	WATABE, et al., "Distributed Multiparty Desktop Conferencing System: MERMAID", Article, 10/1990, pp. 27-38. (AOL 052415-052426)
	A105	HORN, et al., "An ISDN Multimedia Conference Bridge", Article, 1990 IEEE, pp. 853-856. (AOL 052427-052430)
	A106	AHUJA, et al., "Coordination and Control of Multimedia Conferencing", Communications Magazine, IEEE, 05/1992, Vol. 30, Iss. 5, pp. 38-43. (AOL 052431-052436)
	A107	ENSOR, et al., "The Rapport Multimedia Conferencing System-A Software Overview", Article, Proc. 2nd IEEE, 03/1998, pp. 52-58. (AOL 052437-052443)
	A108	GREENBERG, "Personalizable Groupware: Accomodating Individual Roles and Group Differences", Article, ECSCW 1991, pp. 17-32. (AOL 052444-052459)
	A109	GREENBERG, "Sharing Views and Interactions With Single-User Applications", Article, 04/1990, pp. 227-237. (AOL 052460-052470)
	A110	SARIN, et al., "Software for Interactive On-Line Conferences", Article, 1984, pp. 46-58. (AOL 052471-052484)
	A111	BLY, et al., "Media Spaces: Bringing People Together in a Video, Audio, and Computing Environment", Article, 01/1993, Vol. 36, No. 1, pp. 29-47. (AOL 052486-052505)
	A112	NCSA, "The Second International WWW Conference '94 Mosaic and the Web", 07/14/1994. (AOL 052506-052509)
	A113	FRIVOLD, et al., "Extending WWW for Synchronous Collaboration", Article. (AOL 052510-052518)
	A114	"Channel List for Meeting DSTC YarnDemo", Article. (AOL 052523-052530)
	A115	DONATH, et al., "The Social Web", Article. (AOL 052531-052534)
	A116	GOLDBERG, et al. "Beyond the Web: Excavating the Real World Via Mosaic", Article (AOL 052535-052546)
	A117	WEYMOUTH, et al., "The Upper Atmospheric Research Collaboratory (UARC", Article (AOL 052547-052552)
	A118	SCHARF, et al., "Using Mosaic for Remote Test System Control Supports Distributed Engineering", Article. (AOL 052553-052561)

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Sheet 7 Of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

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	A119	FREGA, et al., "A Multimedia Bulletin Board in WWW Environment", Article. (AOL 052567-052574)
	A120	HORN, et al., "An ISDN Multimedia Conference Bridge", Article, IEEE Region 10, 09/1990, pp. 853-856. (AOL 052575-052578)
	A121	TANG, et al., "Montage: Providing Teleproximity for Distributed Groups", Article, 04/24-28/1994, pp. 37-43. (AOL 052579-052585)
	A122	PEARL, "System Support for Integrated Desktop Video Conferencing", Article, 12/1992, pp. 1-14. (AOL 052586-052600)
	A123	CHANG, et al., "Group Coordination in Participant Systems", Article, 05/1990, pp. 589-599. (AOL 052601-052611)
	A124	ENSOR, et al., "User Interfaces For Multimedia Multiparty Communications", Article, 1993 IEEE, pp. 1165-1171. (AOL 052612-052618)
	A125	TANG, et al., "Supporting Distributed Groups with a Montage of Lightweight Interactions", Article, 1994, pp. 23-34. (AOL 052619-052630)
	A126	BRINCK, et al., "A Collaborative Medium for the Support of Conversational Props", Article, 11/1992, pp. 171-178. (AOL 052631-052643)
	A127	GRAHAM, et al., "Relational Views as a Model for Automatic Distributed Implementation of Multi-User Applications", Article, 11/1992, pp. 59-66. (AOL 052644-052651)
	A128	REIN, et al., "rIBIS: A Real-Time Group Hypertext System", Article, 1991, pp. 349-367. (AOL 052652-052670)
	A129	GIBBS, "LIZA: An Extensible Groupware Toolkit", Article, 1989, pp. 29-35. (AOL 052671-052677)
	A130	CLARK, "Multipoint Multimedia Conferencing", Article, 05/1992 IEEE, pp. 44-50. (AOL 052678-052684)
	A131	WOLF, et al., "We-Met (Window Environment-Meeting Enhancement Tools)", Article, pp. 441-442. (AOL 052695-052696)
	A132	HILL, et al., "The Rendezvous Language and Architecture", Article, 01/1993, Vol. 36, No. 1, pp. 62-67. (AOL 052697-052702)
	A133	HILL, et al., "The Rendezvous Architecture and Language for Constructing Multiuser Applications," ACM Transactions on Computer-Human Interaction, 06/1994, Vol. 1, No. 2, pp. 81-125 (AOL 052703-052747)
	A134	WOO, et al., "A Synchronous Collaboration Tool for World-Wide Web," Distributed Systems Technology Centre, The University of Queensland, Queensland 4072 (AOL 052519-052530)

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Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

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	A135	BUXTON, et al., "Europarc's Integrated Interactive Intermedia Facility (IIIF): Early Experiences", In S. Gibbs & A.A. Verrijn-Stuart (Eds.), *Multiuser interfaces and applications, Proceedings of the IFIP WG 8.4 Conference on Multi-user Interfaces and Applications*, Heraklion, Crete. Amsterdam: Elsevier Science Publishers B.V. (North-Holland), 11-34. (AOL 052756-052764)
	A136	SOHLENKAMP, et al., "Integrating Communication, Cooperation, and Awareness: The DIVA Virtual Office Environment," Article, pp. 331-343. (AOL 052765-052777)
	A137	KRISHNAMURTHY, et al., "Yeast: A General Purpose Event-Action System," IEEE Transactions on Software Engineering, Vol. 21, No. 10, October 1995. (AOL 052778-052790)
	A138	LÖVSTRAND, et al., "Being Selectively Aware with the Khronika System," Proceedings of the Second European Conference on Compuber-Supported Cooperative Work, September 25-57, 1991, Amsterdam, The Netherlands, pp. 265-277. (AOL 052791-052803)
	A139	DOURISH, et al., "Portholes: Supporting Awareness in a Distributed Work Group," Chi '92, May 3-7, 1992, pp. 541-547. (AOL 052804-052810)
	A140	GAVER, et al., "Realizing a Video Environment: Europarc's Rave System," Chi '92, May 3-7, 1992, pp. 27-35. (AOL 052811-052819)
	A141	BORNING, et al., "Two Approaches to Casual Interaction Over Computer and Video Networks," pp. 13-19. (AOL 052820-052826)

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Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant: Daniel L. Marks	
(Use several sheets if necessary)	Filing Date: September 20, 1999	Group: 2765

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date If App.
	A1	5,616,876	Apr. 1, 1997	Cluts	84	609	April 19, 1995
	A2	5,793,365	Aug. 11, 1998	Tang et al.	345	329	Jan. 2, 1996
	A3	5,832,212	Nov. 3, 1998	Cragun et al.	395	188.01	April 19, 1996
	A4	5,941,947	Aug. 24, 1999	Brown et al.	709	225	Aug. 18, 1995

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	

EXAMINER:	DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

P: 56168(AIS-P1-99.1449.33.DOC)

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	09399578	MARKS, DANIEL L.
	Examiner	**Art Unit**
	Patrice Winder	2145

SEARCHED			
Class	**Subclass**	**Date**	**Examiner**
709	204, 205	6-16-2009	plw

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
google scholar (Chatnet)	6-16-2009	plw

INTERFERENCE SEARCH			
Class	**Subclass**	**Date**	**Examiner**

PTO/SB/08A (08-03)
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	A2					

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A3	"Internet hasn't focused on good photography as much as it could" Article, The Dallas Morning News, 9/1995 (AOL-B 0001478)
	A4	"Group dynamics add fun to guided on-line tours" Article, USA Today, 10/1995 (AOL-B 0001479)
	A5	"People with addictions band together for support on line", Article, 6/1995(AOL-B 0001480)
	A6	"Netscape Communications Introduces Netscape Internet Applications Family For Electronic Commerce" Netscape Company Press Relations, 3/1995 (AOL-B 0005712-0005713)
	A7	"Netscape Navigator™ Personal Edition" Software (AOL-B 0000446-0000451)
	A8	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Expert Report of Bruce M. Maggs" dated 8/5/2005
	A9	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Supplemental Rebuttal Expert of Bruce M. Maggs Regarding Invalidity of U.S. Patent 5,956,491" dated 9/26/2005.
	A10	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, Rebuttal Expert Report of Bruce M. Maggs Regarding Invalidity of U.S. Patent 5,956,491" dated 8/28/2005.
	A11	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 4/29/2005
	A12	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Second Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 5/20/2005

EXAMINER SIGNATURE		DATE CONSIDERED	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1]Applicant's unique citation designation number (optional). [2]See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Rev. Sept. 03

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PTO/SB/08A (10-01)
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 Of 2

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A13	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Third Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 8/11/2005
	A14	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Fourth Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 9/20/2005
	A15	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Fifth Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 9/27/2005
	A16	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Declaration of Mr. David W. Jeske" dated 6/6/2005
	A17	"Netscape adds tools," Responsive Database Services, Inc., Press Release 3/1995 (AOL 1206861 – 1206862)
	A18	"Netscape communications introduces Netscape internet applications family for electronic commerce," PR Newswire Association, Inc., Press Release, 3/1995 (AOL 1206863 – 1206864)
	A19	"Full Scale Commerce With Netscape," Business Communications Co., Press Release, 4/1995 (AOL 1206865 – 1206866)
	A20	"NetScape spins Web extensions: adds firewall, Usenet servers, electronic shopping software NetScape Communications Proxy Server, Isore, Merchant System, Publishing System, Community System," Information Access Company, 4/1995 (AOL 1206867 – 1206868)
	A21	"Netscape offers bookmark, chat services on Web," InfoWorld Media Group, 8/1995 (AOL 1206869)
	A22	"Netscape For Windows 95 Announced," Newsweek Business Information, Inc., 8/1995 (AOL 1206870- 1206873)
	A23	"Netscape introduces Netscape Smartmarks ™ and Netscape Chat ™; Applications Bring New Navigation and Communications Capabilities to Users of Netscape Navigator for Windows," Netscape Chat Help Contents (AOL 613173 – 613243)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	**Applicant:** Daniel L. Marks	
(Use several sheets if necessary)	**Filing Date:** September 20, 1999	**Group:** 2445

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
/PW/	C1	"Complaint: Brian Hollander vs. Peter K. Trzyna and PTK Technologies, LLC," Dated November 13, 2007, Pages 1-18.
	C2	

EXAMINER:	/Patrice Winder/	DATE CONSIDERED:	06/22/2009

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

PTO/SB/30EFS (03-09)
Approved for use through 04/30/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	09/399,578	Filing Date	1999-09-20	Docket Number (if applicable)	AIS-P99-1	Art Unit	2445
First Named Inventor	Daniel L. Marks			Examiner Name	WINDER, Patrice L.		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☐ Amendment/Reply
- ☐ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☒ Other
  Reply and request for entry and consideration of Applicant's filings since July 8, 2008.

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

☒ The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 500235

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (03-09)
Approved for use through 04/30/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/PeterKTrzyna/	Date (YYYY-MM-DD)	2009-04-07
Name	Peter K. Trzyna, Esq.	Registration Number	32601

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Petitioner Microsoft Corporation, Ex. 1002, p. 2420

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	20 September 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: RCE
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE: Submission

S I R :

In response to the Office Action dated October 7, 2008, please enter the enclosed Request for Continued Examination in response to the Office Action-Final Rejection and reconsider the application.

II. Remarks

The undersigned would like to express appreciation to the Examiner for the examination and courtesy accorded.

The Office Action of October 7, 2008, did not consider the filings since July 8, 2008.

As a submission for the RCE, Applicant requests that the filings since July 8, 2008, be entered and considered. This includes filings on August 26, 2008, September 2, 2008, September 3, 2008, September 23, 2008, and December 16, 2008. The filings include amendments to the claims and IDS and related filings. Further, the Examiner is respectfully requested to take note that Applicant intends to file a supplemental amendment shortly.

It is further noted, again, that the cited art does not teach the respective particular user's stored access rights as claimed, e.g., in claim 1. See arguments in the filings since July 8, 2008.

With respect to the present application, the Applicant hereby rescinds any disclaimer of claim scope made in the parent application or any predecessor or related application. The Examiner is advised that any previous disclaimer, if any, and the prior art that it was made to avoid, may need to be revisited. Nor should a disclaimer, if any, in the present application be read back into any predecessor or related application.

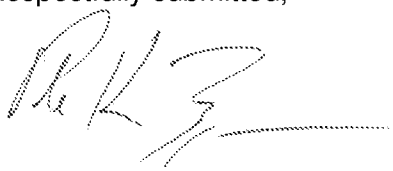
Favorable action is requested, and if the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefore.

Petitioner Microsoft Corporation, Ex. 1002, p. 2422

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: April 7, 2009

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2423

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	20 September 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: RCE
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION FOR EXTENSION OF TIME

S I R :

This is a Petition for Extension of Time for three (3) months to respond to the Office Action-Final Rejection Mailed on October 7, 2008, in the above-referenced patent application. If additional time is necessary, this Petition is to be deemed a Petition for such time as necessary to accept the Request for Continued Examination Transmittal and Amendment and Response filed herewith.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: April 7, 2009

Peter K. Trzyna
(Reg. No. 32,601)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2425

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 3 months with $0 paid	1253	1	1110	1110

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for continued examination	1801	1	810	810
		Total in USD ($)		**1920**

Electronic Acknowledgement Receipt

EFS ID:	5113534
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	07-APR-2009
Filing Date:	20-SEP-1999
Time Stamp:	17:18:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$1920

RAM confirmation Number	3582
Deposit Account	500235
Authorized User	TRZYNA,PETER

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISp199transRCE.pdf	53745 6df472dfe74959d1abb8d34bdfd762468562bc47	no	2
Warnings:					
Information:					
2	Request for Continued Examination (RCE)	AISP199RCETransmittalForm2.pdf	697382 8fb0a7894ebfced677599b0fbcadcb4326551c73	no	3
Warnings:					
Information:					
3	Amendment Submitted/Entered with Filing of CPA/RCE	AISp199AmendRespApril72009.pdf	57849 fb5dc827cb6b0b476944907113c6066637c7f31c	no	3
Warnings:					
Information:					
4	Extension of Time	aisp199petforextRCE.pdf	53614 916c8a4706562a320ececfedb63ae819c6674a11	no	2
Warnings:					
Information:					
5	Fee Worksheet (PTO-06)	fee-info.pdf	32121 eb96683c01cb0d738289c4b3f3a128afc65b811b	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	894711		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: RCE
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application are the following:

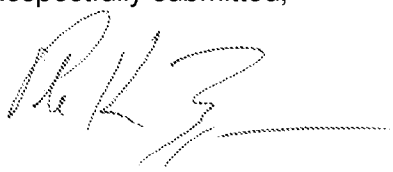
1. Request for Continued Examination (RCE) Transmittal;
2. Response (including Submission); and
3. Petition for Extension of Time.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235. If additional time is necessary, this Petition is to be deemed a Petition for such time as necessary to accept the Request for Continued

Examination Transmittal and Amendment and Response filed herewith.

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: April 7, 2009

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2432

PATENT

Paper No.

File: AIS-P1-99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The Examiner is reminded to check those files for such materials.

It is respectfully requested that this Information Disclosure Statement be entered

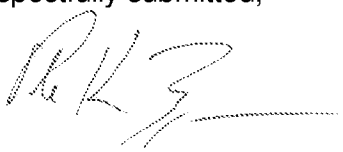
and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. Thus, in accordance with 37 C.F.R. § 1.97(c), a fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,



Date: December 16, 2008

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2434

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	**Applicant:** Daniel L. Marks	
(Use several sheets if necessary)	**Filing Date:** September 20, 1999	**Group:** 2445

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	"Complaint: Brian Hollander vs. Peter K. Trzyna and PTK Technologies, LLC," Dated November 13, 2007, Pages 1-18.
	C2	

EXAMINER:	DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	4464598
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	16-DEC-2008
Filing Date:	20-SEP-1999
Time Stamp:	14:51:47
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	128
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP199trans.pdf	53277 1d89525ee25e43ad4b955d01ce5083ac5601fc42	no	2
Warnings:					
Information:					
2	Information Disclosure Statement Letter	aisp199ids18.pdf	55839 70d505253d4e03ed9e563fd33d7ddb023cf2141d	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199144918.pdf	31088 6eb74d93c752db76dc2eaaf487dba3fa3cc1d8f9	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	NPL Documents	HollanderComplaint.pdf	506228 8b2c47251bb7b990d8ff556898b6c0bcda806157	no	18
Warnings:					
Information:					
5	Fee Worksheet (PTO-06)	fee-info.pdf	30234 79bd53975a69467702e9c9d778e2fd21ca61e114	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	676666		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2445
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application is the following:

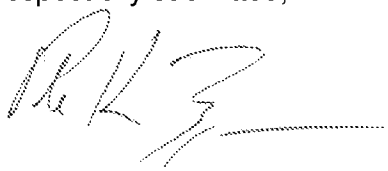
1. Information Disclosure Statement; and

2. PTO Form 1449 and Cited.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: December 16, 2008

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2442

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 10/07/2008

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER	
WINDER, PATRICE L	

ART UNIT	PAPER NUMBER
2445	

MAIL DATE	DELIVERY MODE
10/07/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice Winder	2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *08 July 2008*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-995* is/are pending in the application.

4a) Of the above claim(s) *See Continuation Sheet* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-168,170-291,299,309-366,376-408,410-502,504-519,521-536,538-553,556-570,572-590,592-598,600-631,726-754,818-861,876-878,890-892,897-900,904-909,911-916,919,948,953-976,978-995* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Continuation of Disposition of Claims: Claims withdrawn from consideration are 169,292-298,300-308,367-375,409,503,520,537,554,555,571,591,599,632-725,755-817,862-875,879,893-896,901-903,910,917,918,920-947,949-952 and 977.

Petitioner Microsoft Corporation, Ex. 1002, p. 2445

DETAILED ACTION

Response to Claim Charts

1. The examiner thanks Applicant for the claim tree mapping the claim organization. Applicant's time and effort are greatly appreciated.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. The factual inquiries set forth in *Graham* **v.** *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

4. Claims 1-168,170-291,299,309-366,376-408,410-502,504-519,521-536,538-553,556-570,572-590,592-598,600-631,726-754,818-861,876-878,890-892,897-900,904-909,911-916,919,948,953-976 and 978-995 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brown et al., USPN 5,941,947 (hereafter referred to as Brown) in view of Tang et al., USPN 5,793,365 (hereafter referred to as Tang).

[claim 1] Brown taught a method of communicating via an Internet network (abstract), the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected to a respective input device and to respective output device (microcomputer 102, column 8, lines 47-53);

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and receiving communications in real time (chat rooms, column 9, lines 45-50; column 10, lines 36-45; column 13, lines 9-14; column 16, lines 2-4);

determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a content object (column 16, lines 55-66); and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications that are not censored based on the individual user identity (column 13, lines 52-54), when the receiving is in real-time and via the Internet, and not presenting the data that is censored to the corresponding output device (column 15, lines 27-37). Brown does not specifically teach the content object is a pointer, video, audio, a graphic, or multimedia. However, Tang taught the content object is a pointer, video, audio, a graphic, or multimedia (column 9, lines 38-44, 51-55). It would have been obvious to one of ordinary skill in the art at the time the invention was made that incorporating Tang's multimedia content in Brown's chat service would have improved the chat room

experience. The motivation would have been to improve the chat room experience by allowing the participants to share files.

[claims 2-17] Brown taught determining whether at least one of the first user identity and the second user identity, individually, is censored from data (column 16, lines 2-4, 55-59). Tang taught representing [a pointer, video, audio, a graphic, multimedia]. (column 9, lines 38-55)

[claims 18-34] Brown taught at least some of the communications include at least one of text or ascii (column 9, lines 52-54).

[claims 35-51] Brown taught determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications data representing a content object (column 15, lines 44-54) and sending the data that is not censored from sending (column 15, lines 5-15). Tang taught the content object is at least one of a pointer, video, audio, a graphic, or multimedia (column 9, lines 38-55).

[claims 52-68] Brown taught determining whether at least one of the communications is censored based on content (column 16, lines 40-45).

[claims 69-74] Brown taught determining a user age corresponding to each of the user identities (user age < 18, column 19, lines 9-21).

[claims 75-85] Brown taught the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities (column 16, lines 40-45, 55-66).

[claim 86-102] Brown taught the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored (column 20, lines 8-27).

[claim 103-119] Brown taught determining a user age corresponding to each of the user identities (user age < 18, column 19, lines 9-21).

[claim 120-137,149-155, 161-163, 166-169] Brown taught the pointer is a pointer that produces a pointer-triggered message on demand (column 10, lines 36-38; column 13, lines 52-54).

[claim 138-148,156-160,164] Brown taught the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand (column 10, lines 36-38; column 13, lines 52-54).

[claim 170] Brown taught a method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system (column 8, lines 47-53);

sending, from each of the plurality of computers, a respective login name corresponding to respective user identities and a second identities are able to form a group for sending and for receiving communications in real time (chat rooms, column 10, lines 36-45; column 13, lines 9-14; column 16, lines 2-4);

determining whether at least one of the first user identity and the second user identity,, individually, is censored from sending data in the communications, the data representing a content object (column 16, lines 55-66); and

if the first ad second user identities are able to form the group, then forming the group, sending the communications that are not censored based on the individual user identity (column 13, lines 52-54), and receiving the communications, wherein the receiving is in real-time and via the Internet network (column 15, lines 27-37). However, Tang taught the content object is at least one of a pointer, video, audio, a graphic or multimedia (column 9, lines 38-44, 51-55). For motivation see claim 1, above. Brown does not specifically teach the logon procedure includes a password. However, “official notice” is taken that passwords are well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made that incorporating a password in Brown's logon procedure would have been

[claim 171-184] Brown taught the pointer is a pointer that produces a pointer-triggered message on demand (column 10, lines 36-38; column 13, lines 52-54).

[claim 185] Tang taught receiving the communications includes causing presentation of some of the communications by one of the plurality of computer in the group (column 9, lines 30-36).

[claim 186] Brown taught when the communications are censored, not receiving the communications that are censored based on the individual user identity (column 15, lines 44-55), and not presenting the data that is censored to the corresponding output device (column 15, lines 5-15).

[claim 187,309] Brown taught the computer system is comprised of an Internet service provider computer system (column 7, lines 18-37).

[claim 188,310] Brown taught storing, for the first user identity, an authorization associated with presentation of graphical multimedia (column 16, lines 55-62); and based on the authorization, presenting the graphical multimedia at the output device corresponding to the second user identity (column 16, lines 63-67).

[claim 189,311] Tang taught providing the first user identity with access to a member-associated image corresponding to the second user identity (column 5, lines 18-23).

[claim 190,312] Brown taught determining whether the first user identity is censored from access to a chat room; if the first user identity is censored, not allowing access to the chat room; and if the first user identity is not censored, allowing access to the chat room (column 27 , lines 49-58). Tang taught associating a chat room with a member-associated image corresponding to the second user identity (column 5, lines 18-23).

[claim 191-206] determining whether at least one of the first identity and the second user identity, individually, is censored from sending a content object (column 15, lines 5-15, 44-54). Tang taught the content object is at least one of a pointer, video, audio, a graphic, or multimedia (column 9, lines 38-55).

[claims 207-223] Brown taught at least some of the communications include at least one of text or ascii (column 9, lines 52-54).

[claims 224-240] Brown taught determining whether at least one of the communications is censored based on content (column 16, lines 40-45).

[claim 241-257] Brown taught the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored (column 20, lines 8-27).

[claim 258-274] Brown taught determining a user age corresponding to each of the user identities (user age < 18, column 19, lines 32-41).

[claim 276-291] Brown taught at least one of the communications includes data representing a human communication of sound (voice capability is added, column 9, lines 54-55).

[claim 313-366, 376-379] Brown taught the pointer is a pointer that produces a pointer-triggered message on demand (column 10, lines 36-38; column 13, lines 52-54).

[claim 380-396] Tang taught data representing at least one of a pointer, video, audio, a graphic, or multimedia (column 9, lines 38-55).

[claim 397-408,410-413] Brown taught determining whether at least one of the communications is censored based on content (column 16, lines 40-45).

[claims 414-430] determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications data representing at least one of a pointer, video, audio, a graphic, or multimedia; and sending the data that is not censored from sending.

[claims 431-434] Brown taught at least some of the communications include at least one of text or ascii (column 9, lines 52-54).

5. Claims 435- 502,504-519,521-536,538-553,556-570,572-590,592-598,600-631,726-754,818-861,876-878,890-892,897-900,904-909,911-916,919,948,953-976 and 978-995 are rejected on the same rationales as 1-168,170-291,299,309-366,376-408,410-434, above.

Response to Arguments

6. Applicant's arguments filed July 8, 2008 have been fully considered but they are not persuasive.

Applicant argues – "…[T]he Examiner's information is requested regarding how Brown or Tang would be operable if Brown's access control were to be replaced with Tang's contended "a pointer, video, audio, a graphic, or multimedia."

7. The rejection may have cited a particular portion of Brown, however, it is expected that applicant consider Brown in its entirety. Brown is an on-line service with many application servers using a particular access control mechanism to individualize the rights of users accessing the on-line network and application services. Brown has at least two services in Tang's field of endeavor, a chat conference service and a bulletin board service (BBS), see column 3, lines 25-35. Brown promotes that applying individual access rights is important to application server, such as a chat conference. Thus, Brown suggests the combination with Tang's by its inclusion of chat conferences as an applicable on-line service.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrice Winder whose telephone number is 571-272-3935. The examiner can normally be reached on Monday-Friday, 10:30 am-7:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571-272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Patrice Winder/
Primary Examiner, Art Unit 2145

October 1, 2008

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	09399578	MARKS, DANIEL L.
	Examiner	Art Unit
	Patrice Winder	2145

SEARCHED			
Class	Subclass	Date	Examiner
709	204, 205	10-1-2008	plw

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

PATENT

Paper No.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL AMENDMENT AND RESPONSE

S I R :

Please enter the following Amendment and Response to supplement the filing of September 2, 2008, and reconsider the application in view of the amendment and the remarks set forth below. It is believed that no new matter has been added.

I. Amendment

A. In the claims

Please amend the claims as set out below:

1. (Currently amended) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected to a respective input device and to a respective output device, said connecting responsive to receiving, from each of the computers, a password and a login name corresponding to a user identity, each said user identity corresponding to a respective particular user's stored access rights;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored by the corresponding user's stored access rights from data in the communications representing at least one of a pointer, video, audio, a graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications~~, and~~ so as to facilitate receiving the communications that are not censored ~~based on the individual user identity~~, wherein the receiving is in real time and via the Internet network, and to facilitate not presenting the data that is censored to the corresponding output device.

2. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the

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second user identity, individually, is censored from data representing a pointer.

3. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video.

4. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing audio.

5. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a graphic.

6. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing multimedia.

7. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the

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second user identity, individually, is censored from data representing a pointer and video.

8. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and audio.

9. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and a graphic.

10. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video and audio.

11. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video and a graphic.

12. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the

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second user identity, individually, is censored from data representing audio and a graphic.

13. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video and audio.

14. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video and a graphic.

15. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and audio and a graphic.

16. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video and audio and a graphic.

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17. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video and audio and a graphic.

18. (Previously presented) The method of claim 1, wherein at least some of the communications include at least one of text or ascii.

19. (Previously presented) The method of claim 2, wherein at least some of the communications include at least one of text or ascii.

20. (Previously presented) The method of claim 3, wherein at least some of the communications include at least one of text or ascii.

21. (Previously presented) The method of claim 4, wherein at least some of the communications include at least one of text or ascii.

22. (Previously presented) The method of claim 5, wherein at least some of the communications include at least one of text or ascii.

23. (Previously presented) The method of claim 6, wherein at least some of the communications include at least one of text or ascii.

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24. (Previously presented) The method of claim 7, wherein at least some of the communications include at least one of text or ascii.

25. (Previously presented) The method of claim 8, wherein at least some of the communications include at least one of text or ascii.

26. (Previously presented) The method of claim 9, wherein at least some of the communications include at least one of text or ascii.

27. (Previously presented) The method of claim 10, wherein at least some of the communications include at least one of text or ascii.

28. (Previously presented) The method of claim 11, wherein at least some of the communications include at least one of text or ascii.

29. (Previously presented) The method of claim 12, wherein at least some of the communications include at least one of text or ascii.

30. (Previously presented) The method of claim 13, wherein at least some of the communications include at least one of text or ascii.

31. (Previously presented) The method of claim 14, wherein at least some of the communications include at least one of text or ascii.

32. (Previously presented) The method of claim 15, wherein at least some of

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the communications include at least one of text or ascii.

33. (Previously presented) The method of claim 16, wherein at least some of the communications include at least one of text or ascii.

34. (Previously presented) The method of claim 17, wherein at least some of the communications include at least one of text or ascii.

35. (Previously presented) The method of claim 1, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

36. (Previously presented) The method of claim 2, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

37. (Previously presented) The method of claim 3, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

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38. (Previously presented) The method of claim 4, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

39. (Previously presented) The method of claim 5, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

40. (Previously presented) The method of claim 6, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

41. (Previously presented) The method of claim 7, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

42. (Previously presented) The method of claim 8, further including:

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determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

43. (Previously presented) The method of claim 9, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

44. (Previously presented) The method of claim 10, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

45. (Previously presented) The method of claim 11, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

46. (Previously presented) The method of claim 12, further including:

determining whether at least one of the first and the second user identities,

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individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

47. (Previously presented) The method of claim 13, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

48. (Previously presented) The method of claim 14, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

49. (Previously presented) The method of claim 15, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

50. (Previously presented) The method of claim 16, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a

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pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

51. (Previously presented) The method of claim 17, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

52. (Previously presented) The method of claim 1, further including determining whether at least one of the communications is censored based on content.

53. (Previously presented) The method of claim 2, further including determining whether at least one of the communications is censored based on content.

54. (Previously presented) The method of claim 3, further including determining whether at least one of the communications is censored based on content.

55. (Previously presented) The method of claim 4, further including determining whether at least one of the communications is censored based on content.

56. (Previously presented) The method of claim 5, further including determining whether at least one of the communications is censored based on content.

57. (Previously presented) The method of claim 6, further including

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determining whether at least one of the communications is censored based on content.

58. (Previously presented) The method of claim 7, further including determining whether at least one of the communications is censored based on content.

59. (Previously presented) The method of claim 8, further including determining whether at least one of the communications is censored based on content.

60. (Previously presented) The method of claim 9, further including determining whether at least one of the communications is censored based on content.

61. (Previously presented) The method of claim 10, further including determining whether at least one of the communications is censored based on content.

62. (Previously presented) The method of claim 11, further including determining whether at least one of the communications is censored based on content.

63. (Previously presented) The method of claim 12, further including determining whether at least one of the communications is censored based on content.

64. (Previously presented) The method of claim 13, further including determining whether at least one of the communications is censored based on content.

65. (Previously presented) The method of claim 14, further including determining whether at least one of the communications is censored based on content.

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66. (Previously presented) The method of claim 15, further including determining whether at least one of the communications is censored based on content.

67. (Previously presented) The method of claim 16, further including determining whether at least one of the communications is censored based on content.

68. (Previously presented) The method of claim 17, further including determining whether at least one of the communications is censored based on content.

69. (Previously presented) The method of claim 52, further including determining a user age corresponding to each of the user identities.

70. (Previously presented) The method of claim 53, further including determining a user age corresponding to each of the user identities.

71. (Previously presented) The method of claim 54, further including determining a user age corresponding to each of the user identities.

72. (Previously presented) The method of claim 55, further including determining a user age corresponding to each of the user identities.

73. (Previously presented) The method of claim 56, further including determining a user age corresponding to each of the user identities.

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74. (Previously presented) The method of claim 57, further including determining a user age corresponding to each of the user identities.

75. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

76. (Previously presented) The method of claim 2, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

77. (Previously presented) The method of claim 3, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

78. (Previously presented) The method of claim 4, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

79. (Previously presented) The method of claim 5, wherein the determining whether at least one of the first user identity and the second user identity, individually, is

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censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

80. (Previously presented) The method of claim 6, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

81. (Previously presented) The method of claim 7, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

82. (Previously presented) The method of claim 8, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

83. (Previously presented) The method of claim 9, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

84. (Previously presented) The method of claim 10, wherein the determining whether at least one of the first user identity and the second user identity, individually, is

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censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

85. (Previously presented) The method of claim 11, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

86. (Previously presented) The method of claim 1, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

87. (Previously presented) The method of claim 2, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

88. (Previously presented) The method of claim 3, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

89. (Previously presented) The method of claim 4, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

90. (Previously presented) The method of claim 5, wherein the determining

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whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

91. (Previously presented) The method of claim 6, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

92. (Previously presented) The method of claim 7, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

93. (Previously presented) The method of claim 8, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

94. (Previously presented) The method of claim 9, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

95. (Previously presented) The method of claim 10, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

96. (Previously presented) The method of claim 11, wherein the determining whether the first of the user identities and the second of the user identities are able to form a

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group includes determining whether the first of the user identities is censored.

97. (Previously presented) The method of claim 12, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

98. (Previously presented) The method of claim 13, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

99. (Previously presented) The method of claim 14, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

100. (Previously presented) The method of claim 15, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

101. (Previously presented) The method of claim 16, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

102. (Previously presented) The method of claim 17, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

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103. (Previously presented) The method of claim 1, further including determining a user age corresponding to each of the user identities.

104. (Previously presented) The method of claim 2, further including determining a user age corresponding to each of the user identities.

105. (Previously presented) The method of claim 3, further including determining a user age corresponding to each of the user identities.

106. (Previously presented) The method of claim 4, further including determining a user age corresponding to each of the user identities.

107. (Previously presented) The method of claim 5, further including determining a user age corresponding to each of the user identities.

108. (Previously presented) The method of claim 6, further including determining a user age corresponding to each of the user identities.

109. (Previously presented) The method of claim 7, further including determining a user age corresponding to each of the user identities.

110. (Previously presented) The method of claim 8, further including determining a user age corresponding to each of the user identities.

111. (Previously presented) The method of claim 9, further including

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determining a user age corresponding to each of the user identities.

112. (Previously presented) The method of claim 10, further including determining a user age corresponding to each of the user identities.

113. (Previously presented) The method of claim 11, further including determining a user age corresponding to each of the user identities.

114. (Previously presented) The method of claim 12, further including determining a user age corresponding to each of the user identities.

115. (Previously presented) The method of claim 13, further including determining a user age corresponding to each of the user identities.

116. (Previously presented) The method of claim 14, further including determining a user age corresponding to each of the user identities.

117. (Previously presented) The method of claim 15, further including determining a user age corresponding to each of the user identities.

118. (Previously presented) The method of claim 16, further including determining a user age corresponding to each of the user identities.

119. (Previously presented) The method of claim 17, further including determining a user age corresponding to each of the user identities.

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120. (Previously presented) The method of claim 1, wherein the data represents a pointer that produces a pointer-triggered message on demand.

121. (Previously presented) The method of claim 2, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

122. (Previously presented) The method of claim 7, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

123. (Previously presented) The method of claim 8, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

124. (Previously presented) The method of claim 9, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

125. (Previously presented) The method of claim 13, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

126. (Previously presented) The method of claim 14, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

127. (Previously presented) The method of claim 15, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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128. (Previously presented) The method of claim 17, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

129. (Previously presented) The method of claim 18, wherein the data represents a pointer that produces a pointer-triggered message on demand.

130. (Previously presented) The method of claim 19, wherein the data represents a pointer that produces a pointer-triggered message on demand.

131. (Previously presented) The method of claim 24, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

132. (Previously presented) The method of claim 25, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

133. (Previously presented) The method of claim 26, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

134. (Previously presented) The method of claim 30, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

135. (Previously presented) The method of claim 31, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

136. (Previously presented) The method of claim 32, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

137. (Previously presented) The method of claim 34, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

138. (Previously presented) The method of claim 35, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

139. (Previously presented) The method of claim 36, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

140. (Previously presented) The method of claim 41, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

141. (Previously presented) The method of claim 42, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

142. (Previously presented) The method of claim 43, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

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143. (Previously presented) The method of claim 47, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

144. (Previously presented) The method of claim 48, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

145. (Previously presented) The method of claim 49, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

146. (Previously presented) The method of claim 51, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

147. (Previously presented) The method of claim 52, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

148. (Previously presented) The method of claim 53, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

149. (Previously presented) The method of claim 58, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

150. (Previously presented) The method of claim 59, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

151. (Previously presented) The method of claim 60, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

152. (Previously presented) The method of claim 64, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

153. (Previously presented) The method of claim 65, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

154. (Previously presented) The method of claim 66, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

155. (Previously presented) The method of claim 68, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

156. (Previously presented) The method of claim 69, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

157. (Previously presented) The method of claim 70, wherein the data that is

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censored from sending represents a pointer that produces a pointer-triggered message on demand.

158. (Previously presented) The method of claim 75, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

159. (Previously presented) The method of claim 76, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

160. (Previously presented) The method of claim 77, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

161. (Previously presented) The method of claim 81, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

162. (Previously presented) The method of claim 82, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

163. (Previously presented) The method of claim 83, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

164. (Previously presented) The method of claim 85, wherein the data that is

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censored from sending represents a pointer that produces a pointer-triggered message on demand.

165. (Withdrawn) A method of operating a system to receive a communication via an Internet network, the method including:

connecting a plurality of computers to a computer system;

sending, from each of the plurality of computers, a respective login name and a password corresponding to a respective user identity;

communicating a message comprised of a pointer, from a first of the plurality of computers to the computer system;

communicating the message from the computer system to a second of the plurality of computers; and

receiving via the pointer a communication from the first of the plurality of computers at the second of the plurality of computers, the communication being sent in real time and via the Internet network, the communication including data representing at least one of video, a graphic, sound, or multimedia.

166. (Previously presented) The method of claim 86, wherein the data represents a pointer that produces a pointer-triggered message on demand.

167. (Previously presented) The method of claim 87, wherein the data represents a pointer that produces a pointer-triggered message on demand.

168. (Previously presented) The method of claim 92, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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169. (Previously presented) The method of claim 93, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

170. (Currently amended) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system;

~~sending~~ receiving, from each of the plurality of computers, a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data in the communications, the data representing at least one of a pointer, video, audio, a graphic or multimedia; and

if the first and the second user identities are able to form the group, then forming the group, facilitating sending the communications that are not censored based on the individual user identity~~,~~ and facilitating receiving the communications that are sent, wherein the receiving is in real time and via the Internet network.

171. (Previously presented) The method of claim 94, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

172. (Previously presented) The method of claim 98, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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173. (Previously presented) The method of claim 99, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

174. (Previously presented) The method of claim 100, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

175. (Previously presented) The method of claim 102, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

176. (Previously presented) The method of claim 103, wherein the data represents a pointer that produces a pointer-triggered message on demand.

177. (Previously presented) The method of claim 104, wherein the data represents a pointer that produces a pointer-triggered message on demand.

178. (Previously presented) The method of claim 109, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

179. (Previously presented) The method of claim 110, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

180. (Previously presented) The method of claim 111, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

181. (Previously presented) The method of claim 115, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

182. (Previously presented) The method of claim 116, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

183. (Previously presented) The method of claim 117, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

184. (Previously presented) The method of claim 119, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

185. (Previously presented) The method of claim 1, wherein receiving the communications includes causing presentation of some of the communications by one of the plurality of computers in the group.

186. (Previously presented) The method of claim 1, further including, when the data is censored, not receiving the communications that are censored based on the individual user identity, and not presenting the data that is censored to the corresponding output device.

187. (Previously presented) The method of claim 1, wherein the computer system is comprised of an Internet service provider computer system.

188. (Previously presented) The method of claim 1, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

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based on the authorization, presenting the graphical multimedia at the output device corresponding to the second user identity.

189. (Previously presented) The method of claim 1, further including:

providing the first user identity with access to a member-associated image corresponding to the second user identity.

190. (Previously presented) The method of claim 1, further including:

determining whether the first user identity is censored from access to a member-associated image corresponding to the second user identity;

if the first user identity is censored, not allowing access to the member-associated image; and

if the first user identity is not censored, allowing access to the member-associated image.

191. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer.

192. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data

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representing video.

193. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing audio.

194. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a graphic.

195. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing multimedia.

196. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video.

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197. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and audio.

198. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and a graphic.

199. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video and audio.

200. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video and a graphic.

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201. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing audio and a graphic.

202. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video and audio.

203. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video and a graphic.

204. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and audio and a graphic.

205. (Previously presented) The method of claim 170, wherein the determining

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whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video and audio and a graphic.

206. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video and audio and a graphic.

207. (Previously presented) The method of claim 170, wherein at least some of the communications include at least one of text or ascii.

208. (Previously presented) The method of claim 191, wherein at least some of the communications include at least one of text or ascii.

209. (Previously presented) The method of claim 192, wherein at least some of the communications include at least one of text or ascii.

210. (Previously presented) The method of claim 193, wherein at least some of the communications include at least one of text or ascii.

211. (Previously presented) The method of claim 194, wherein at least some of the communications include at least one of text or ascii.

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212. (Previously presented) The method of claim 195, wherein at least some of the communications include at least one of text or ascii.

213. (Previously presented) The method of claim 196, wherein at least some of the communications include at least one of text or ascii.

214. (Previously presented) The method of claim 197, wherein at least some of the communications include at least one of text or ascii.

215. (Previously presented) The method of claim 198, wherein at least some of the communications include at least one of text or ascii.

216. (Previously presented) The method of claim 199, wherein at least some of the communications include at least one of text or ascii.

217. (Previously presented) The method of claim 200, wherein at least some of the communications include at least one of text or ascii.

218. (Previously presented) The method of claim 201, wherein at least some of the communications include at least one of text or ascii.

219. (Previously presented) The method of claim 202, wherein at least some of the communications include at least one of text or ascii.

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220. (Previously presented) The method of claim 203, wherein at least some of the communications include at least one of text or ascii.

221. (Previously presented) The method of claim 204, wherein at least some of the communications include at least one of text or ascii.

222. (Previously presented) The method of claim 205, wherein at least some of the communications include at least one of text or ascii.

223. (Previously presented) The method of claim 206, wherein at least some of the communications include at least one of text or ascii.

224. (Previously presented) The method of claim 170, further including determining whether at least one of the communications is censored based on content.

225. (Previously presented) The method of claim 191, further including determining whether at least one of the communications is censored based on content.

226. (Previously presented) The method of claim 192, further including determining whether at least one of the communications is censored based on content.

227. (Previously presented) The method of claim 193, further including determining whether at least one of the communications is censored based on content.

228. (Previously presented) The method of claim 194, further including

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determining whether at least one of the communications is censored based on content.

229. (Previously presented) The method of claim 195, further including determining whether at least one of the communications is censored based on content.

230. (Previously presented) The method of claim 196, further including determining whether at least one of the communications is censored based on content.

231. (Previously presented) The method of claim 197, further including determining whether at least one of the communications is censored based on content.

232. (Previously presented) The method of claim 198, further including determining whether at least one of the communications is censored based on content.

233. (Previously presented) The method of claim 199, further including determining whether at least one of the communications is censored based on content.

234. (Previously presented) The method of claim 200, further including determining whether at least one of the communications is censored based on content.

235. (Previously presented) The method of claim 201, further including determining whether at least one of the communications is censored based on content.

236. (Previously presented) The method of claim 202, further including determining whether at least one of the communications is censored based on content.

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237. (Previously presented) The method of claim 203, further including determining whether at least one of the communications is censored based on content.

238. (Previously presented) The method of claim 204, further including determining whether at least one of the communications is censored based on content.

239. (Previously presented) The method of claim 205, further including determining whether at least one of the communications is censored based on content.

240. (Previously presented) The method of claim 206, further including determining whether at least one of the communications is censored based on content

241. (Previously presented) The method of claim 170, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

242. (Previously presented) The method of claim 191, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

243. (Previously presented) The method of claim 192, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

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244. (Previously presented) The method of claim 193, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

245. (Previously presented) The method of claim 194, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

246. (Previously presented) The method of claim 195, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

247. (Previously presented) The method of claim 196, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

248. (Previously presented) The method of claim 197, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

249. (Previously presented) The method of claim 198, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

250. (Previously presented) The method of claim 199, wherein the

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determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

251. (Previously presented) The method of claim 200, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

252. (Previously presented) The method of claim 201, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

253. (Previously presented) The method of claim 202, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

254. (Previously presented) The method of claim 203, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

255. (Previously presented) The method of claim 204, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

256. (Previously presented) The method of claim 205, wherein the determining whether the first user identity and the second user identity are able to form a group

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includes determining whether the first of the user identities is censored.

257. (Previously presented) The method of claim 206, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

258. (Previously presented) The method of claim 170, further including determining a user age corresponding to each of the user identities.

259. (Previously presented) The method of claim 191, further including determining a user age corresponding to each of the user identities.

260. (Previously presented) The method of claim 192, further including determining a user age corresponding to each of the user identities.

261. (Previously presented) The method of claim 193, further including determining a user age corresponding to each of the user identities.

262. (Previously presented) The method of claim 194, further including determining a user age corresponding to each of the user identities.

263. (Previously presented) The method of claim 195, further including determining a user age corresponding to each of the user identities.

264. (Previously presented) The method of claim 196, further including

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determining a user age corresponding to each of the user identities.

265. (Previously presented) The method of claim 197, further including determining a user age corresponding to each of the user identities.

266. (Previously presented) The method of claim 198, further including determining a user age corresponding to each of the user identities.

267. (Previously presented) The method of claim 199, further including determining a user age corresponding to each of the user identities.

268. (Previously presented) The method of claim 200, further including determining a user age corresponding to each of the user identities.

269. (Previously presented) The method of claim 201, further including determining a user age corresponding to each of the user identities.

270. (Previously presented) The method of claim 202, further including determining a user age corresponding to each of the user identities.

271. (Previously presented) The method of claim 203, further including determining a user age corresponding to each of the user identities.

272. (Previously presented) The method of claim 204, further including determining a user age corresponding to each of the user identities.

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273. (Previously presented) The method of claim 205, further including determining a user age corresponding to each of the user identities.

274. (Previously presented) The method of claim 206, further including determining a user age corresponding to each of the user identities.

275. (Previously presented) The method of claim 170, wherein at least one of the communications includes data representing a human communication of sound.

276. (Previously presented) The method of claim 191, wherein at least one of the communications includes data representing a human communication of sound.

277. (Previously presented) The method of claim 192, wherein at least one of the communications includes data representing a human communication of sound.

278. (Previously presented) The method of claim 193, wherein at least one of the communications includes data representing a human communication of sound.

279. (Previously presented) The method of claim 194, wherein at least one of the communications includes data representing a human communication of sound.

280. (Previously presented) The method of claim 195, wherein at least one of the communications includes data representing a human communication of sound.

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281. (Previously presented) The method of claim 196, wherein at least one of the communications includes data representing a human communication of sound.

282. (Previously presented) The method of claim 197, wherein at least one of the communications includes data representing a human communication of sound.

283. (Previously presented) The method of claim 198, wherein at least one of the communications includes data representing a human communication of sound.

284. (Previously presented) The method of claim 199, wherein at least one of the communications includes data representing a human communication of sound.

285. (Previously presented) The method of claim 200, wherein at least one of the communications includes data representing a human communication of sound.

286. (Previously presented) The method of claim 201, wherein at least one of the communications includes data representing a human communication of sound.

287. (Previously presented) The method of claim 202, wherein at least one of the communications includes data representing a human communication of sound.

288. (Previously presented) The method of claim 203, wherein at least one of the communications includes data representing a human communication of sound.

289. (Previously presented) The method of claim 204, wherein at least

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one of the communications includes data representing a human communication of sound.

290. (Previously presented) The method of claim 205, wherein at least one of the communications includes data representing a human communication of sound.

291. (Previously presented) The method of claim 206, wherein at least one of the communications includes data representing a human communication of sound.

292. through 308. Cancelled

309. (Previously presented) The method of claim 170, wherein the computer system is comprised of an Internet service provider computer system.

310. (Previously presented) The method of claim 170, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at the output device corresponding to the second user identity.

311. (Previously presented) The method of claim 170, further including:

providing the first user identity with access to a member-associated image corresponding to the second user identity.

312. (Previously presented) The method of claim 170, further including:

determining whether the first user identity is censored from access to a member-

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associated image corresponding to the second user identity;

if the first user identity is censored, not allowing access to the member-associated image; and

if the first user identity is not censored, allowing access to the member-associated image.

313. (Previously presented) The method of claim 170, wherein the data represents a pointer that a pointer-triggered message on demand.

314. (Previously presented) The method of claim 191, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

315. (Previously presented) The method of claim 196, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

316. (Previously presented) The method of claim 197, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

317. (Previously presented) The method of claim 198, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

318. (Previously presented) The method of claim 202, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

319. (Previously presented) The method of claim 203, wherein the pointer

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is a pointer that produces a pointer-triggered message on demand.

320. (Previously presented) The method of claim 204, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

321. (Previously presented) The method of claim 206, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

322. (Previously presented) The method of claim 207, wherein the data represents a pointer that a pointer-triggered message on demand.

323. (Previously presented) The method of claim 208, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

324. (Previously presented) The method of claim 213, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

325. (Previously presented) The method of claim 214, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

326. (Previously presented) The method of claim 215, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

327. (Previously presented) The method of claim 219, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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328. (Previously presented) The method of claim 220, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

329. (Previously presented) The method of claim 221, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

330. (Previously presented) The method of claim 223, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

331. (Previously presented) The method of claim 224, wherein the data represents a pointer that a pointer-triggered message on demand.

332. (Previously presented) The method of claim 225, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

333. (Previously presented) The method of claim 230, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

334. (Previously presented) The method of claim 231, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

335. (Previously presented) The method of claim 232, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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336. (Previously presented) The method of claim 236, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

337. (Previously presented) The method of claim 237, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

338. (Previously presented) The method of claim 238, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

339. (Previously presented) The method of claim 240, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

340. (Previously presented) The method of claim 241, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

341. (Previously presented) The method of claim 242, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

342. (Previously presented) The method of claim 247, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

343. (Previously presented) The method of claim 248, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

344. (Previously presented) The method of claim 249, wherein the pointer

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is a pointer that produces a pointer-triggered message on demand.

345. (Previously presented) The method of claim 253, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

346. (Previously presented) The method of claim 254, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

347. (Previously presented) The method of claim 255, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

348. (Previously presented) The method of claim 257, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

349. (Previously presented) The method of claim 258, wherein the data represents a pointer that produces a pointer-triggered message on demand.

350. (Previously presented) The method of claim 259, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

351. (Previously presented) The method of claim 264, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

352. (Previously presented) The method of claim 265, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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353. (Previously presented) The method of claim 266, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

354. (Previously presented) The method of claim 270, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

355. (Previously presented) The method of claim 271, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

356. (Previously presented) The method of claim 272, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

357. (Previously presented) The method of claim 274, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

358. (Previously presented) The method of claim 275, wherein the data represents a pointer that produces a pointer-triggered message on demand.

359. (Previously presented) The method of claim 276, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

360. (Previously presented) The method of claim 281, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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361. (Previously presented) The method of claim 282, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

362. (Previously presented) The method of claim 283, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

363. (Previously presented) The method of claim 287, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

364. (Previously presented) The method of claim 288, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

365. (Previously presented) The method of claim 289, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

366. (Previously presented) The method of claim 291, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

367. through 375. (Cancelled)

376. (Previously presented) The method of claim 309, wherein the data represents a pointer that produces a pointer-triggered message on demand.

377. (Previously presented) The method of claim 310, wherein the data represents a pointer that produces a pointer-triggered message on demand.

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378. (Previously presented) The method of claim 311, wherein the data represents a pointer that produces a pointer-triggered message on demand.

379. (Previously presented) The method of claim 312, wherein the data represents a pointer that produces a pointer-triggered message on demand.

380. (Previously presented) The system of claim 435, wherein the data represents a pointer.

381. (Previously presented) The system of claim 435, wherein the data represents video.

382. (Previously presented) The system of claim 435, wherein the data represents audio.

383. (Previously presented) The system of claim 435, wherein the data represents a graphic.

384. (Previously presented) The system of claim 435, wherein the data represents multimedia.

385. (Previously presented) The system of claim 435, wherein the data represents a pointer and video.

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386. (Previously presented) The system of claim 435, wherein the data represents a pointer and audio.

387. (Previously presented) The system of claim 435, wherein the data represents a pointer and a graphic.

388. (Previously presented) The system of claim 435, wherein the data represents video and audio.

389. (Previously presented) The system of claim 435, wherein the data represents video and a graphic.

390. (Previously presented) The system of claim 435, wherein the data represents audio and a graphic.

391. (Previously presented) The system of claim 435, wherein the data represents a pointer and video and audio.

392. (Previously presented) The system of claim 435, wherein the data represents a pointer and video and a graphic.

393. (Previously presented) The system of claim 435, wherein the data represents a pointer and audio and a graphic.

394. (Previously presented) The system of claim 435, wherein the data

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represents video and audio and a graphic.

395. (Previously presented) The system of claim 435, wherein the data represents a pointer and video and audio and a graphic.

396. (Previously presented) The system of claim 435, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

397. (Previously presented) The system of claim 380, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

398. (Previously presented) The system of claim 381, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

399. (Previously presented) The system of claim 382, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

400. (Previously presented) The system of claim 383, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

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401. (Previously presented) The system of claim 384, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

402. (Previously presented) The system of claim 385, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

403. (Previously presented) The system of claim 386, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

404. (Previously presented) The system of claim 387, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

405. (Previously presented) The system of claim 388, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

406. (Previously presented) The system of claim 389, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

407. (Previously presented) The system of claim 390, wherein the

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computer system is further programmed to determine whether at least one of the communications is censored based on content.

408. (Previously presented) The system of claim 391, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

409. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system via the Internet network;

sending, from each of said plurality of computers, a login name and a password corresponding to a respective user identity;

determining which of the plurality of computers can communicate communications with at least one other of the plurality of computers,

receiving at least some of the communications in real time via the Internet network; and

providing, to at least one of the plurality of computers under control of the computer system, a member-associated image and member identity information corresponding to one of the user identities.

410. (Previously presented) The system of claim 392, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

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411. (Previously presented) The system of claim 393, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

412. (Previously presented) The system of claim 394, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

413. (Previously presented) The system of claim 395, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

414. (Previously presented) The system of claim 435, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

415. (Previously presented) The system of claim 380, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

416. (Previously presented) The system of claim 381, wherein the

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computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

417. (Previously presented) The system of claim 382, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

418. (Previously presented) The system of claim 383, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

419. (Previously presented) The system of claim 384, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

420. (Previously presented) The system of claim 385, wherein the computer system is further programmed to determine whether at least one of the first user

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identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

421. (Previously presented) The system of claim 386, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

422. (Previously presented) The system of claim 387, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

423. (Previously presented) The system of claim 388, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

424. (Previously presented) The system of claim 389, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications

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data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

425. (Previously presented) The system of claim 390, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

426. (Previously presented) The system of claim 391, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

427. (Previously presented) The system of claim 392, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

428. (Previously presented) The system of claim 393, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

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send the communications that are not censored from sending.

429. (Previously presented) The system of claim 394, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

430. (Previously presented) The system of claim 395, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

431. (Previously presented) The system of claim 435, wherein at least one of the communications includes at least one of text or ascii.

432. (Previously presented) The system of claim 380, wherein at least one of the communications includes at least one of text or ascii.

433. (Previously presented) The system of claim 381, wherein at least one of the communications includes at least one of text or ascii.

434. (Previously presented) The system of claim 382, wherein at least one of the communications includes at least one of text or ascii.

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435. (Currently amended) A system to communicate over an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected to a respective input device and a respective output device, the computer system being programmed to: form a group, responsive to each of the plurality of computers sending a respective login name and a password corresponding to a respective user identity, each said user identity corresponding to a respective particular user's stored access rights, the group corresponding to a first of the user identities and a second of the user identities, each member of the group being capable of sending and receiving communications in real time,

determine whether at least one of the first user identity and the second user identity, individually, is censored by the corresponding user's stored access rights from data representing a pointer, video, audio, a graphic, or multimedia,

cause the plurality of computers in the group to receive, in real time via the Internet network, the communications that are not censored ~~based on the individual user identity~~, and

cause any of the plurality of computers in the group to not present the data that is censored ~~based on the individual user identity~~ to the corresponding output device.

436. (Previously presented) The system of claim 383, wherein at least one of the communications includes at least one of text or ascii.

437. (Previously presented) The system of claim 384, wherein at least one of the communications includes at least one of text or ascii.

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438. (Previously presented) The system of claim 385, wherein at least one of the communications includes at least one of text or ascii.

439. (Previously presented) The system of claim 386, wherein at least one of the communications includes at least one of text or ascii.

440. (Previously presented) The system of claim 387, wherein at least one of the communications includes at least one of text or ascii.

441. (Previously presented) The system of claim 388, wherein at least one of the communications includes at least one of text or ascii.

442. (Previously presented) The system of claim 389, wherein at least one of the communications includes at least one of text or ascii.

443. (Previously presented) The system of claim 390, wherein at least one of the communications includes at least one of text or ascii.

444. (Previously presented) The system of claim 391, wherein at least one of the communications includes at least one of text or ascii.

445. (Previously presented) The system of claim 392, wherein at least one of the communications includes at least one of text or ascii.

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446. (Previously presented) The system of claim 393, wherein at least one of the communications includes at least one of text or ascii.

447. (Previously presented) The system of claim 394, wherein at least one of the communications includes at least one of text or ascii.

448. (Previously presented) The system of claim 395, wherein at least one of the communications includes at least one of text or ascii.

449. (Previously presented) The system of claim 435, wherein the computer system is comprised of an Internet service provider.

450. (Previously presented) The system of claim 435, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data, and

based on the authorization, allow the graphical data to be presented at the output device corresponding to the second user identity.

451. (Previously presented) The system of claim 435, wherein the computer system is further programmed to:

provide the first user identity with access to a member-associated image corresponding to the second user identity.

452. (Previously presented) The system of claim 435, wherein the

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computer system is further programmed to:

determine whether the first user identity is censored from access to a member-associated image corresponding to the second user identity,

If the first user identity is censored, not allowing access to member-associated image, and

If the first user identity is not censored, allow access to the member-associated image.

453. (Previously presented) The system of claim 435, the data represents a pointer that produces a pointer-triggered message on demand.

454. (Previously presented) The system of claim 380, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

455. (Previously presented) The system of claim 385, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

456. (Previously presented) The system of claim 386, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

457. (Previously presented) The system of claim 387, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

458. (Previously presented) The system of claim 391, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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459. (Previously presented) The system of claim 392, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

460. (Previously presented) The system of claim 393, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

461. (Previously presented) The system of claim 395, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

462. (Previously presented) The system of claim 396, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

463. (Previously presented) The system of claim 397, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

464. (Previously presented) The system of claim 402, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

465. (Previously presented) The system of claim 403, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

466. (Previously presented) The system of claim 404, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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467. (Previously presented) The system of claim 408, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

468. (Previously presented) The system of claim 410, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

469. (Previously presented) The system of claim 411, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

470. (Previously presented) The system of claim 413, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

471. (Previously presented) The system of claim 414, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

472. (Previously presented) The system of claim 415, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

473. (Previously presented) The system of claim 420, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

474. (Previously presented) The system of claim 421, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

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475. (Previously presented) The system of claim 422, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

476. (Previously presented) The system of claim 426, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

477. (Previously presented) The system of claim 427, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

478. (Previously presented) The system of claim 428, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

479. (Previously presented) The system of claim 430, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

480. (Previously presented) The system of claim 431, wherein the data represents a pointer that produces a pointer-triggered message on demand.

481. (Previously presented) The system of claim 432, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

482. (Previously presented) The system of claim 438, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

483. (Previously presented) The system of claim 439, wherein the pointer

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is a pointer that produces a pointer-triggered message on demand.

484. (Previously presented) The system of claim 440, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

485. (Previously presented) The system of claim 444, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

486. (Previously presented) The system of claim 445, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

487. (Previously presented) The system of claim 446, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

488. (Previously presented) The system of claim 448, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

489. (Previously presented) The system of claim 449, wherein the data represents a pointer that produces a pointer-triggered message on demand.

490. (Previously presented) The system of claim 450, wherein the data represents a pointer that produces a pointer-triggered message on demand.

491. (Previously presented) The system of claim 451, wherein the data represents a pointer that produces a pointer-triggered message on demand.

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492. (Previously presented) The system of claim 452, wherein the data represents a pointer that produces a pointer-triggered message on demand.

493. (Previously presented) The system of claim 604, wherein the data represents a pointer.

494. (Previously presented) The system of claim 604, wherein data represents video.

495. (Previously presented) The system of claim 604, wherein the data represents audio.

496. (Previously presented) The system of claim 604, wherein the data represents a graphic.

497. (Previously presented) The system of claim 604, wherein the data represents multimedia.

498. (Previously presented) The system of claim 604, wherein the data represents a pointer and video.

499. (Previously presented) The system of claim 604, wherein the data represents a pointer and audio.

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500. (Previously presented) The system of claim 604, wherein the data represents a pointer and a graphic.

501. (Previously presented) The system of claim 604, wherein the data represents video and audio.

502. (Previously presented) The system of claim 604, wherein the data represents video and a graphic.

503. (Cancelled)

504. (Previously presented) The system of claim 604, wherein the data represents a pointer and video and a audio.

505. (Previously presented) The system of claim 604, wherein the data represents a pointer and video and a graphic.

506. (Previously presented) The system of claim 604, wherein the data represents a pointer and audio and a graphic.

507. (Previously presented) The system of claim 604, wherein the data represents video and audio and a graphic.

508. (Previously presented) The system of claim 604, wherein the data represents a pointer and video and audio and a graphic.

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509. (Previously presented) The system of claim 604, wherein at least some of the communications include at least one of text or ascii.

510. (Previously presented) The system of claim 493, wherein at least some of the communications include at least one of text or ascii.

511. (Previously presented) The system of claim 494, wherein at least some of the communications include at least one of text or ascii.

512. (Previously presented) The system of claim 495, wherein at least some of the communications include at least one of text or ascii.

513. (Previously presented) The system of claim 496, wherein at least some of the communications include at least one of text or ascii.

514. (Previously presented) The system of claim 497, wherein at least some of the communications include at least one of text or ascii.

515. (Previously presented) The system of claim 498, wherein at least some of the communications include at least one of text or ascii.

516. (Previously presented) The system of claim 499, wherein at least some of the communications include at least one of text or ascii.

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517. (Previously presented) The system of claim 500, wherein at least some of the communications include at least one of text or ascii.

518. (Previously presented) The system of claim 501, wherein at least some of the communications include at least one of text or ascii.

519. (Previously presented) The system of claim 502, wherein at least some of the communications include at least one of text or ascii.

520. (Cancelled)

521. (Previously presented) The system of claim 504, wherein at least some of the communications include at least one of text or ascii.

522. (Previously presented) The system of claim 505, wherein at least some of the communications include at least one of text or ascii.

523. (Previously presented) The system of claim 506, wherein at least some of the communications include at least one of text or ascii.

524. (Previously presented) The system of claim 507, wherein at least some of the communications include at least one of text or ascii.

525. (Previously presented) The system of claim 508, wherein at least some of the communications include at least one of text or ascii.

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526. (Previously presented) The system of claim 604, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

527. (Previously presented) The system of claim 493, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

528. (Previously presented) The system of claim 494, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

529. (Previously presented) The system of claim 495, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

530. (Previously presented) The system of claim 496, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

531. (Previously presented) The system of claim 497, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

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532. (Previously presented) The system of claim 498, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

533. (Previously presented) The system of claim 499, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

534. (Previously presented) The system of claim 500, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

535. (Previously presented) The system of claim 501, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

536. (Previously presented) The system of claim 502, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

537. (Cancelled)

538. (Previously presented) The system of claim 504, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

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539. (Previously presented) The system of claim 505, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

540. (Previously presented) The system of claim 506, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

541. (Previously presented) The system of claim 507, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

542. (Previously presented) The system of claim 508, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

543. (Previously presented) The system of claim 604, wherein at least one of the communications includes a human communication of sound.

544. (Previously presented) The system of claim 493, wherein at least one of the communications includes a human communication of sound.

545. (Previously presented) The system of claim 494, wherein at least one of the communications includes a human communication of sound.

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546. (Previously presented) The system of claim 495, wherein at least one of the communications includes a human communication of sound.

547. (Previously presented) The system of claim 496, wherein at least one of the communications includes a human communication of sound.

548. (Previously presented) The system of claim 497, wherein at least one of the communications includes a human communication of sound.

549. (Previously presented) The system of claim 498, wherein at least one of the communications includes a human communication of sound.

550. (Previously presented) The system of claim 499, wherein at least one of the communications includes a human communication of sound.

551. (Previously presented) The system of claim 500, wherein at least one of the communications includes a human communication of sound.

552. (Previously presented) The system of claim 501, wherein at least one of the communications includes a human communication of sound.

553. (Previously presented) The system of claim 502, wherein at least one of the communications includes a human communication of sound.

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554. (Cancelled) ~~The system of claim 503, wherein at least one of the communications includes a human communication of sound.~~

555. (Previously presented) The system of claim 504, wherein at least one of the communications includes a human communication of sound.

556. (Previously presented) The system of claim 505, wherein at least one of the communications includes a human communication of sound.

557. (Previously presented) The system of claim 506, wherein at least one of the communications includes a human communication of sound.

558. (Previously presented) The system of claim 507, wherein at least one of the communications includes a human communication of sound.

559. (Previously presented) The system of claim 508, wherein at least one of the communications includes a human communication of sound.

560. (Previously presented) The system of claim 604, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

561. (Previously presented) The system of claim 493, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

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562. (Previously presented) The system of claim 494, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

563. (Previously presented) The system of claim 495, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

564. (Previously presented) The system of claim 496, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

565. (Previously presented) The system of claim 497, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

566. (Previously presented) The system of claim 498, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

567. (Previously presented) The system of claim 499, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

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568. (Previously presented) The system of claim 500, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

569. (Previously presented) The system of claim 501, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

570. (Previously presented) The system of claim 502, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

571. (Cancelled)

572. (Previously presented) The system of claim 504, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

573. (Previously presented) The system of claim 505, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

574. (Previously presented) The system of claim 506, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

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575. (Previously presented) The system of claim 507, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

576. (Previously presented) The system of claim 508, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

577. (Previously presented) The system of claim 604, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

578. (Previously presented) The system of claim 604, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, allow the graphical data to be presented at the output device corresponding to the second user identity.

579. (Previously presented) The system of claim 604, wherein the computer system is further programmed to:

provide the first user identity with access to a member-associated image corresponding to the second user identity.

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580. (Previously presented) The system of claim 604, wherein the computer system is further programmed to:

determine whether the first user identity is censored from access to a member-associated image corresponding to the second user identity,

if the first user identity is censored, not allow access to the member-associated image, and

if the first user identity is not censored, allow access to the member-associated image.

581. (Previously presented) The system of claim 604, wherein the data represents a pointer that produces a pointer-triggered message on demand.

582. (Previously presented) The system of claim 493, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

583. (Previously presented) The system of claim 498, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

584. (Previously presented) The system of claim 499, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

585. (Previously presented) The system of claim 500, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

586. (Previously presented) The system of claim 504, wherein the pointer

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is a pointer that produces a pointer-triggered message on demand.

587. (Previously presented) The system of claim 505, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

588. (Previously presented) The system of claim 506, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

589. (Previously presented) The system of claim 508, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

590. (Previously presented) The system of claim 509, wherein the data represents a pointer that produces a pointer-triggered message on demand.

591. (Previously presented) The system of claim 510, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

591. (Cancelled)

592. (Previously presented) The system of claim 516, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

593. (Previously presented) The system of claim 517, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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594. (Previously presented) The system of claim 521, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

595. (Previously presented) The system of claim 522, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

596. (Previously presented) The system of claim 523, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

597. (Previously presented) The system of claim 525, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

598. (Previously presented) The system of claim 526, wherein the data represents a pointer that produces a pointer-triggered message on demand.

599. (Withdrawn) A system to receive a communication via an Internet network, the system including:

a plurality of computers connected, responsive to each of the plurality of computers sending a respective login name and a password corresponding to a respective user identity, to a computer system;

a first of the plurality of computers being programmed to communicate to the computer system a message including a pointer pointing to a communication that includes data representing a video, a graphic, sound, or multimedia;

the computer system being programmed to communicate the message to a second of the plurality of computers; and

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the second computer being programmed to receive the communication originating from the first computer, the communication being sent in real time and via the Internet network.

600. (Previously presented) The system of claim 527, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

601. (Previously presented) The system of claim 532, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

602. (Previously presented) The system of claim 533, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

603. (Previously presented) The system of claim 534, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

604. (Currently amended) An Internet network communications system, the system including:

a plurality of computers connected, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

form a group corresponding to a first of the user identities and a second of the user identities, each member of the group being capable of sending and receiving communications in real time, and

determine whether at least one of the first user identity and the second user

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identity, individually, is censored from sending data within the communications, the data representing at least one of a pointer, video, audio, a graphic, or multimedia,

wherein the plurality of computers receives in real time and via the Internet network the communications that are not censored based on the individual user identity and do not send the data that is censored based on the individual user identity.

605. (Previously presented) The system of claim 538, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

606. (Previously presented) The system of claim 539, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

607. (Previously presented) The system of claim 540, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

608. (Previously presented) The system of claim 542, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

609. (Previously presented) The system of claim 543, wherein the data represents a pointer that produces a pointer-triggered message on demand.

610. (Previously presented) The system of claim 544, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

611. (Previously presented) The system of claim 549, wherein the pointer

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is a pointer that produces a pointer-triggered message on demand.

612. (Previously presented) The system of claim 550, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

613. (Previously presented) The system of claim 551, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

614. (Previously presented) The system of claim 555, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

615. (Previously presented) The system of claim 556, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

616. (Previously presented) The system of claim 557, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

617. (Previously presented) The system of claim 559, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

618. (Previously presented) The system of claim 560, wherein the data represents a pointer that produces a pointer-triggered message on demand.

619. (Previously presented) The system of claim 561, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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620. (Previously presented) The system of claim 566, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

621. (Previously presented) The system of claim 567, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

622. (Previously presented) The system of claim 568, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

623. (Previously presented) The system of claim 572, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

624. (Previously presented) The system of claim 573, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

625. (Previously presented) The system of claim 574, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

626. (Previously presented) The system of claim 576, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

627. (Previously presented) The system of claim 577, wherein the data represents a pointer that produces a pointer-triggered message on demand.

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628. (Previously presented) The system of claim 578, wherein the data represents a pointer that produces a pointer-triggered message on demand.

629. (Previously presented) The system of claim 579, wherein the data represents a pointer that produces a pointer-triggered message on demand.

630. (Previously presented) The system of claim 580, wherein the data represents a pointer that produces a pointer-triggered message on demand.

631. (Previously presented) The system of claim 515, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

632. (Withdrawn) The method of claim 165, further including:

determining that the message is not censored.

633. (Withdrawn) The method of claim 165, wherein the pointer is a pointer that causes the communication to be produced on demand.

634. (Withdrawn) The method of claim 165, wherein the communication includes data representing video.

635. (Withdrawn) The method of claim 165, wherein the communication includes data representing sound.

636. (Withdrawn) The method of claim 165, wherein the communication

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includes data representing sound and video.

637. (Withdrawn) The method of claim 165, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

638. (Withdrawn) The method of claim 165, wherein the message includes data representing at least one of text or ascii.

639. (Withdrawn) The method of claim 165, wherein the communication includes data representing a member-associated image.

640. (Withdrawn) The method of claim 165, further including forming a chat channel via the Internet network, between at least two of the plurality of computers.

641. (Withdrawn) The method of claim 165, wherein at least one of the communicating steps includes communicating a message as an out-of-band communication.

642. (Withdrawn) The method of claim 165, further including:

determining a user age corresponding to each of the user identities.

643. (Withdrawn) The method of claim 642, wherein the communication includes data representing sound.

644. (Withdrawn) The method of claim 642, wherein the communication includes data representing video.

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645. (Withdrawn) The method of claim 642, wherein the communication includes data representing sound and video.

646. (Withdrawn) The method system of claim 642, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

647. (Withdrawn) The method of claim 642, wherein the message includes data representing at least one of text or ascii.

648. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to determine that the pointer is not censored.

649. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to determine that the message is not censored.

650. (Withdrawn) The system of claim 599, wherein the pointer produces the communication on demand.

651. (Withdrawn) The system of claim 599, wherein the communication includes data representing video.

652. (Withdrawn) The system of claim 599, wherein the communication includes data representing sound.

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653. (Withdrawn) The system of claim 599, wherein the communication includes data representing sound and video.

654. (Withdrawn) The system of claim 599, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

655. (Withdrawn) The system of claim 599, wherein the message includes data representing at least one of text or ascii..

656. (Withdrawn) The system of claim 599, wherein the communication includes data representing a member-associated image.

657. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to form a chat channel via the Internet network, between at least two of the plurality of computers.

658. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to communicate the message as an out-of-band communication message.

659. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to determine a user age corresponding to each of the user identities.

660. (Withdrawn) The system of claim 659, wherein the communication includes data representing sound.

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661. (Withdrawn) The system of claim 659, wherein the communication includes data representing video.

662. (Withdrawn) The system of claim 659, wherein the communication includes data representing sound and video.

663. (Withdrawn) The system of claim 659, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

664. (Withdrawn) The system of claim 659, wherein the message includes data representing at least one of text or ascii.

665. (Withdrawn) The authorizing, with said controller computer, invisible viewing of some of the communications method of claim 917, further including:

determining whether the pointer is not censored.

666. (Withdrawn) The method of claim 917, further including determining a user age corresponding to each of the user identities.

667. (Withdrawn) The authorizing, with said controller computer, invisible viewing of some of the communications method of claim 666, further including:

determining whether the data is not censored.

668. (Withdrawn) The method of claim 917, wherein the pointer produces

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the communication on demand.

669. (Withdrawn) The method of claim 917, wherein the communication includes data representing video.

670. (Withdrawn) The method of claim 917, wherein the communication includes data representing sound.

671. (Withdrawn) The method of claim 917, wherein the communication includes data representing sound and video.

672. (Withdrawn) The method of claim 917, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

673. (Withdrawn) The method of claim 917, wherein the communication includes data representing a member-associated image.

674. (Withdrawn) The method of claim 917, further including allowing chat communication in real time via the Internet network.

675. (Withdrawn) The method of claim 917, further including communicating an out-of-band communication from the computer system to at least one of the plurality of computers.

676. (Withdrawn) The method of claim 917, further including communicating

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an asynchronous communication from the computer system to at least one of the plurality of computers.

677. (Withdrawn) The method of claim 917, wherein the step of receiving the communication includes receiving a synchronous communication.

678. (Withdrawn) The method of claim 677, wherein the communication includes data representing sound.

679. (Withdrawn) The method of claim 677, wherein the communication includes data representing video.

680. (Withdrawn) The method of claim 677, wherein the communication includes data representing sound and video.

681. (Withdrawn) The method of claim 677, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

682. (Withdrawn) The method of claim 677, wherein the communication further includes data representing a member-associated image.

683. (Withdrawn) The method of claim 677, further including communicating an out-of-band communication from the computer system to at least one of the plurality of computers.

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684. (Withdrawn) The method of claim 677, further including communicating an asynchronous communication from the computer system to at least one of the plurality of computers.

685. (Withdrawn) The system of claim 918, wherein the computer system is further programmed to determine whether the pointer is censored.

686. (Withdrawn) The system of claim 918, wherein the computer system is further programmed to determine whether the data is censored.

687. (Withdrawn) The system of claim 918, wherein the pointer produces the communication on demand.

688. (Withdrawn) The system of claim 918, wherein the communication includes data representing video.

689. (Withdrawn) The system of claim 918, wherein the communication includes data representing sound.

690. (Withdrawn) The system of claim 918, wherein the communication includes data representing sound and video.

691. (Withdrawn) The system of claim 918, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

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692. (Withdrawn) The system of claim 918, wherein the first computer is further programmed to communicate with the pointer data representing at least one of text or asci.

693. (Withdrawn) The system of claim 918, wherein the data includes data representing a member-associated image.

694. (Withdrawn) The system of claim 918, wherein the computer system is further programmed to allow chat communication for sending user messages, and receiving the user messages in real time via the Internet network.

695. (Withdrawn) The system of claim 918, wherein the computer system is further programmed to communicate out-of-band communication.

696. (Withdrawn) The system of claim 918, wherein the communication comprises an asynchronous communication.

697. (Withdrawn) The system of claim 696, wherein the communication includes data representing sound.

698. (Withdrawn) The system of claim 696, wherein the communication includes data representing video.

699. (Withdrawn) The system of claim 696, wherein the communication includes data representing sound and video.

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700. (Withdrawn) The system of claim 696, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

701. (Withdrawn) The system of claim 696, wherein the communication comprises an asynchronous communication.

702. (Withdrawn) The method of claim 409, further including

determining a user's age corresponding to at least one of user identities.

703. (Withdrawn) The method of claim 702, further including censoring an unwanted communication from at least one of the user identities.

704. (Withdrawn) The method of claim 703, further including determining whether a first of the user identities is censored from access to the member-associated image corresponding to a second user identity,

if the first identity is censored, not allowing access to the member-associated, and

if the first user identity is not censored, allowing access to the member associated image.

705. (Withdrawn) The method of claim 702, further including:

communicating, under control of said computer system, an asynchronous message from one of the plurality of computers to another of the plurality of computers.

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706. (Withdrawn) The method of claim 702, wherein the receiving includes receiving chat communications within a chat group.

707. (Withdrawn) The method of claim 702, further including providing a private communications channel to at least some of the plurality of computers.

708. (Withdrawn) The method of claim 702, further including communicating data representing human communication of sound to at least some of the plurality of computers.

709. (Withdrawn) The method of claim 702, further including providing data representing video to at least some of the plurality of computers.

710. (Withdrawn) The method of claim 702, further including providing data representing sound to at least some of the plurality of computers.

711. (Withdrawn) The method of claim 702, wherein at least some of the communications include data representing text or ascii.

712. (Withdrawn) The method of claim 702, wherein at least some of the communications are communicated out-of-band.

713. (Withdrawn) The method of claim 702, wherein at least some of the communications include data representing multimedia.

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714. (Withdrawn) The system of claim 843, wherein the computer system is further programmed to determine a user age corresponding to each said user identity.

715. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to censor an unwanted communication from a member.

716. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to determine whether a first of the user identities is censored from access to a member-associated image corresponding to a second of the user identities,

if the first user identity is censored, not allowing access to the member-associated, and

if the first user identity is not censored, allowing access to the member associated image.

717. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to communicate an asynchronous message from one of the plurality of computers to another of the plurality of computers.

718. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to distribute the at least some of the communications among a chat group.

719. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to provide a private communication channel to at least some of the plurality of computers.

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720. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to communicate data representing human communication of sound to at least some of the plurality of computers.

721. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to provide data representing video to at least some of the plurality of computers.

722. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to provide data representing video and sound to at least some of the plurality of computers.

723. (Withdrawn) The system of claim 714, wherein at least some of the communications include data representing text or asci.

724. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to communicate out-of-band communication.

725. (Withdrawn) The system of claim 714, wherein at least some of the communications include multimedia.

726. (Previously presented) The method of claim 884, wherein at least one of the communications includes data representing sound.

727. (Previously presented) The method of claim 884, wherein at least

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one of the communications includes data representing video.

728. (Previously presented) The method of claim 884, wherein at least one of the communications includes data representing sound and video.

729. (Previously presented) The method of claim 884, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

730. (Previously presented) The method of claim 726, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

731. (Previously presented) The method of claim 727, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

732. (Previously presented) The method of claim 884 based on the authorization, presenting the graphical multimedia data at the output device corresponding to

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the second user identity wherein one of the determining steps includes determining whether a parameter corresponding to the first user identity has been determined by a user corresponding to another of the user identities.

733. (Previously presented) The method of claim 729, wherein the graphical data includes graphical multimedia data.

734. (Previously presented) The method of claim 885, wherein at least one of the communications includes data representing sound.

735. (Previously presented) The method of claim 885, wherein at least one of the communications includes data representing video.

736. (Previously presented) The method of claim 885, wherein at least one of the communications includes data representing sound and video.

737. (Previously presented) The method of claim 885, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

738. (Previously presented) The method of claim 734, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

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based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

739. (Previously presented) The method of claim 735, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

740. (Previously presented) The method of claim 736, further including:

storing, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, presenting the graphical data at one of the plurality of computers corresponding to the second user identity.

741. (Previously presented) The system of claim 891, wherein at least one of the communications includes data representing sound.

742. (Previously presented) The system of claim 891, wherein at least one of the communications includes data representing video.

743. (Previously presented) The system of claim 891, wherein at least one of the communications includes data representing sound and video.

744. (Previously presented) The system of claim 891, wherein the

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computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

745. (Previously presented) The system of claim 741, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

746. (Previously presented) The system of claim 742, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

747. (Previously presented) The system of claim 743, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

748. (Previously presented) The system of claim 892, wherein at least one of the communications includes data representing sound.

749. (Previously presented) The system of claim 892, wherein at least one of the communications includes data representing video.

750. (Previously presented) The system of claim 892, wherein at least one of the communications includes data representing sound and video.

751. (Previously presented) The system of claim 892, wherein the

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computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

752. (Previously presented) The system of claim 748, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

753. (Previously presented) The system of claim 749, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

754. (Previously presented) The system of claim 750, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

755. (Withdrawn) The method of claim 893, wherein at least one of the multimedia messages includes data representing sound.

756. (Withdrawn) The method of claim 893, wherein at least one of the multimedia messages includes data representing video.

757. (Withdrawn) The method of claim 893, wherein at least one of the multimedia messages includes data representing sound and video.

758. (Withdrawn) The method of claim 893, further including:

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storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

759. (Withdrawn) The method of claim 755, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

760. (Withdrawn) The method of claim 756, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

761. (Withdrawn) The method of claim 757, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

762. (Withdrawn) The method of claim 894, wherein the data includes data representing sound.

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763. (Withdrawn) The method of claim 894, wherein the data includes data representing video.

764. (Withdrawn) The method of claim 894, the data includes data representing sound and video.

765. (Withdrawn) The method of claim 894, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

766. (Withdrawn) The method of claim 762, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

767. (Withdrawn) The method of claim 763, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

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768. (Withdrawn) The method of claim 764, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

769. (Withdrawn) The system of claim 895, wherein at least one of the communications includes data representing sound.

770. (Withdrawn) The system of claim 895, wherein at least one of the communications includes data representing video.

771. (Withdrawn) The system of claim 895, wherein at least one of the communications includes data representing sound and video.

772. (Withdrawn) The system of claim 895, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

773. (Withdrawn) The system of claim 769, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

774. (Withdrawn) The system of claim 770, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access

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to a member-associated image corresponding to the second user identity.

775. (Withdrawn) The system of claim 771, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

776. (Withdrawn) The system of claim 896, wherein at least one of the communications includes data representing sound.

777. (Withdrawn) The system of claim 896, wherein at least one of the communications includes data representing video.

778. (Withdrawn) The system of claim 896, wherein at least one of the communications includes data representing sound and video.

779. (Withdrawn) The system of claim 896, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, present the graphical data at one of the plurality of computers corresponding to the second user identity.

780. (Withdrawn) The system of claim 776, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of

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graphical data; and

based on the authorization, present the graphical data at one of the plurality of computers corresponding to the second user identity.

781. (Withdrawn) The system of claim 777, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, present the graphical data at one of the plurality of computers corresponding to the second user identity.

782. (Withdrawn) The system of claim 778, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, present the graphical data at one of the plurality of computers corresponding to the second user identity.

783. (Withdrawn) The system of claim 871, wherein the computer system is programmed to allow the plurality of computers to communicate a type of data representing at least one of a pointer, video, audio, a graphic, or multimedia, the pointer being a pointer that produces a pointer-triggered message on demand.

784. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer.

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785. (Withdrawn) The system of claim 783, wherein the type of data represents audio.

786. (Withdrawn) The system of claim 783, wherein the type of data represents video.

787. (Withdrawn) The system of claim 783, wherein the type of data represents a graphic.

788. (Withdrawn) The system of claim 783, wherein the type of data represents multimedia.

789. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and audio.

790. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and video.

791. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and a graphic.

792. (Withdrawn) The system of claim 783, wherein the type of data represents audio and video.

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793. (Withdrawn) The system of claim 783, wherein the type of data represents audio and a graphic.

794. (Withdrawn) The system of claim 783, wherein the type of data represents video and a graphic.

795. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and audio and video.

796. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and audio and a graphic.

797. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and video and a graphic.

798. (Withdrawn) The system of claim 783, wherein the type of data represents audio and video and a graphic.

799. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and audio and video and a graphic.

800. (Withdrawn) The system of claim 871, wherein the computer system is further programmed to provide access to a member-associated image.

801. (Withdrawn) The system of claim 783, wherein the computer system is

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further programmed to provide access to a member-associated image.

802. (Withdrawn) The system of claim 784, wherein the computer system is further programmed to provide access to a member-associated image.

803. (Withdrawn) The system of claim 785, wherein the computer system is further programmed to provide access to a member-associated image.

804. (Withdrawn) The system of claim 786, wherein the computer system is further programmed to provide access to a member-associated image.

805. (Withdrawn) The system of claim 787, wherein the computer system is further programmed to provide access to a member-associated image.

806. (Withdrawn) The system of claim 788, wherein the computer system is further programmed to provide access to a member-associated image.

807. (Withdrawn) The system of claim 789, wherein the computer system is further programmed to provide access to a member-associated image.

808. (Withdrawn) The system of claim 790, wherein the computer system is further programmed to provide access to a member-associated image.

809. (Withdrawn) The system of claim 791, wherein the computer system is further programmed to provide access to a member-associated image.

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810. (Withdrawn) The system of claim 792, wherein the computer system is further programmed to provide access to a member-associated image.

811. (Withdrawn) The system of claim 793, wherein the computer system is further programmed to provide access to a member-associated image.

812. (Withdrawn) The system of claim 794, wherein the computer system is further programmed to provide access to a member-associated image.

813. (Withdrawn) The system of claim 795, wherein the computer system is further programmed to provide access to a member-associated image..

814. (Withdrawn) The system of claim 796, wherein the computer system is further programmed to provide access to a member-associated image.

815. (Withdrawn) The system of claim 797, wherein the computer system is further programmed to provide access to a member-associated image.

816. (Withdrawn) The system of claim 798, wherein the computer system is further programmed to provide access to a member-associated image.

817. (Withdrawn) The system of claim 799, wherein the computer system is further programmed to provide access to a member-associated image.

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818. (Withdrawn) The method of claim 876, further including:

responsive to the allowing the plurality of computers to communicate, receiving communications, at least one of the plurality of computers, the communications including data representing at least one of a pointer, video, audio, a graphic, or multimedia.

819. (Withdrawn) The method of claim 818, wherein the data represents a pointer.

820. (Withdrawn) The method of claim 818, wherein the data represents audio.

821. (Withdrawn) The method of claim 818, wherein the data represents video.

822. (Withdrawn) The method of claim 818, wherein the data represents a graphic.

823. (Withdrawn) The method of claim 818, wherein the data represents multimedia.

824. (Withdrawn) The method of claim 818, wherein the data represents a pointer and audio.

825. (Withdrawn) The method of claim 818, wherein the data represents a pointer and video.

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826. (Withdrawn) The method of claim 818, wherein the data represents a pointer and a graphic.

827. (Withdrawn) The method of claim 818, wherein the data represents audio and video.

828. (Withdrawn) The method of claim 818, wherein the data represents audio and a graphic.

829. (Withdrawn) The method of claim 818, wherein the data represents video and a graphic.

830. (Withdrawn) The method of claim 818, wherein the data represents a pointer and audio and video.

831. (Withdrawn) The method of claim 818, wherein the data represents a pointer and audio and a graphic.

832. (Withdrawn) The method of claim 818, wherein the data represents a pointer and video and a graphic.

833. (Withdrawn) The method of claim 818, wherein the data represents audio and video and a graphic.

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834. (Withdrawn) The method of claim 818, wherein the data represents a pointer and audio and video and a graphic.

835. (Withdrawn) The method of claim 818, wherein the data represents a pointer that produces a pointer-triggered message on demand.

836. (Withdrawn) The method of claim 819, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

837. (Withdrawn) The method of claim 824, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

838. (Withdrawn) The method of claim 825, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

839. (Withdrawn) The method of claim 826, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

840. (Withdrawn) The method of claim 830, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

841. (Withdrawn) The method of claim 831, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

842. (Withdrawn) The method of claim 832, wherein the pointer is a pointer

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that produces a pointer-triggered message on demand.

843. (Withdrawn) A communications system to distribute communication over an Internet network, the system including:

a plurality of participator computers connected, responsive to each of the plurality of computers sending a respective login name and a password corresponding to a respective user identity, to a computer system programmed to:

determine which of the plurality of computers can communicate communications with an other of the plurality of computers, wherein at least some of the communications are in real time via the Internet network, and

provide a member-associated image and member identity information respectively corresponding to one of the user identities to at least some of the plurality of computers.

844. (Withdrawn) The method of claim 834, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

845. (Previously presented) The system of claim 877, wherein the computer system is further programmed to:

send and receive communications between members in a group, the communications including data representing at least one of video, sound, a graphic, or multimedia, and

receive the communications in real time via the Internet network.

846. (Previously presented) The system of claim 845, wherein the data

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includes data representing sound.

847. (Previously presented) The system of claim 845, wherein the data includes data representing video.

848. (Previously presented) The system of claim 845, wherein the data includes data representing sound and video.

849. (Previously presented) The system of claim 845, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

850. (Previously presented) The system of claim 846, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

851. (Previously presented) The system of claim 847, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

852. (Previously presented) The system of claim 848, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

853. (Previously presented) The method of claim 878, further including

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sending and receiving communications between members in a group, the communications including data representing at least one of video, sound, a graphic, or multimedia, the receiving in real time via the Internet network.

854. (Previously presented) The method of claim 853, wherein the data represents sound.

855. (Previously presented) The method of claim 853, wherein the data represents video.

856. (Previously presented) The method of claim 853, wherein the data represents sound and video.

857. (Previously presented) The method of claim 878, further including sending and receiving communications between members in a group, the communications including data representing a member-associated image, sound, and video.

858. (Previously presented) The method of claim 878, further including:

store, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, present the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

859. (Previously presented) The method of claim 853, further including:

store, for the first user identity, an authorization associated with presentation of

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graphical multimedia; and

based on the authorization, present the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

860. (Previously presented) The method of claim 854, further including:

store, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, present the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

861. (Previously presented) The method of claim 855, further including:

store, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, present the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

862. (Withdrawn) The method of claim 901, wherein at least one of the multimedia messages includes data representing sound.

863. (Withdrawn) The method of claim 901, wherein at least one of the multimedia messages includes data representing video.

864. (Withdrawn) The method of claim 901, wherein at least one of the multimedia messages includes data representing sound and video.

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865. (Withdrawn) The method of claim 901, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

866. (Withdrawn) The method of claim 862, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

867. (Withdrawn) The method of claim 863, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

868. (Withdrawn) The method of claim 864, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

869. (Withdrawn) The system of claim 902, wherein at least one of the

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multimedia messages includes data representing sound.

870. (Withdrawn) The system of claim 902, wherein at least one of the multimedia messages includes data representing video.

871. (Withdrawn) An Internet network system, the system including:

a plurality of computers connected, responsive to each of the plurality of computers sending a respective login name and a password corresponding to a respective user identity, to a computer system programmed to:

store, for a first of the user identities, a respective authorization associated with graphical data, and

allow the plurality of computers to communicate in real time via the Internet network, and based on the authorization, cause the graphical data to be presented at one of the plurality of computers corresponding to a second of the user identities.

872. (Withdrawn) The system of claim 902, wherein at least one of the multimedia messages includes data representing sound and video.

873. (Withdrawn) The system of claim 902, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

874. (Withdrawn) The system of claim 869, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

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875. (Withdrawn) The system of claim 870, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

876. (Withdrawn) A method of communicating over an Internet network, the method including:

connecting a plurality of computers, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity, to a computer system;

storing, for a first of the user identities, a respective authorization allowing or disallowing presentment of graphical multimedia; and

allowing the plurality of computers to communicate in real time via the Internet network, and based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to a second of the user identities

877. (Currently amended) An Internet network communication system, the system including:

a plurality of computers, each of the plurality of computers being connected to a respective input device and to a respective output device, the plurality of computers being connected, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity to a computer system programmed to:

store a respective particular user's access rights corresponding to each said user identity,

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respond to one of the plurality of the computers communicating a pointer in real time and via the Internet, wherein the pointer is a pointer that produces a pointer-triggered message on demand, by determining whether a first of the user identities is censored by the user's stored access rights from content in the pointer-triggered message,

if the content is censored, disallow the pointer-triggered message from being presented at the output device of the computer corresponding to the first of the user identity, and

if the content is not censored, allow the pointer-triggered message to be presented at the output device of the computer corresponding to the first of the user identities.

878. (Currently amended) A method of communicating via an Internet network, the method including:

~~sending~~ receiving a respective login name and password corresponding to a respective user identity, each said user identity corresponding to a respective particular user's stored access rights,~~;~~

~~after~~ the ~~sending,~~ receiving being carried out so as to connect~~ing~~ a plurality of computers to a computer system, wherein each of the plurality of computers ~~being~~ is connected to a respective input device and to a respective output device;

responsive to at least one of the plurality of computers communicating a pointer in real time and via the Internet, the pointer producing a pointer-triggered message on demand, determining whether a first of the user identities is censored by the corresponding user's stored access rights from content in the pointer-triggered message;

if the content is censored, disallowing the pointer-triggered message to be presented at the output device of the computer corresponding to the first of the user identities; and

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if the content is not censored, allowing the pointer-triggered message to be presented at the output device of the computer corresponding to the first of the user identities.

879. (Withdrawn) The system of claim 872, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

880. (Withdrawn) The system of claim 909, wherein the at least one type includes at least one of text or ascii.

881. (Withdrawn) The system of claim 909, wherein the at least one type includes audio.

882. (Withdrawn) The system of claim 909, wherein the at least one type includes video.

883. (Withdrawn) The system of claim 909, wherein the at least one type includes a graphic.

884. (Currently amended) A method of communicating via an Internet network, the method including:

~~sending~~ receiving a respective login name and password corresponding to a respective user identity, each said user identity corresponding to a respective particular user's stored access rights,~~;~~

~~after~~ the ~~sending,~~ receiving being carried out so as to connect~~ing~~ a plurality of

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computers to a computer system, wherein each of the plurality of computers ~~being~~ is connected to a respective input device and to a respective output device;

determining whether at least one of a first user identity and a second user identity, individually, is censored by the corresponding user's stored access rights, from receiving data comprising a pointer in communications that include at least one of text or ascii, the pointer being a pointer that produces a pointer-triggered message on demand;

determining whether the first and the second of the user identities are able to form a group; and

if the first and the second user identities are able to form the group, then forming the group for sending the communications, facilitating receiving and presenting the communications that are not censored based on the individual user identity, the receiving being in real time and over the Internet network, and not allowing the data that is censored to be presented at the output device corresponding to the user identity that is censored from receiving the data.

885. (Currently amended) A method of communicating via an Internet network, the method including:

connecting a computer system to a plurality of computers;

~~sending~~ receiving a respective login name and password corresponding to a respective user identity from each of the plurality of computers;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from sending a pointer in the communications including at least one of text or ascii, the pointer being a pointer that produces producing a pointer-triggered

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message on demand; and

if the first and the second user identities are able to form the group, then forming the group and facilitating sending and receiving the communications that are not censored based on the individual user identity, the receiving being in real time over the Internet network.

886. (Withdrawn) The system of claim 909, wherein the type further includes multimedia.

887. (Withdrawn) The system of claim 909, wherein the type further includes graphical multimedia.

888. (Withdrawn) The system of claim 909, wherein the type further includes a member-associated image.

889. (Withdrawn) The system of claim 909, wherein the type further includes a member-associated image and at least one of text or ascii.

890. (Withdrawn) The system of claim 909, wherein the type further includes audio and at least one of text or ascii.

891. (Currently amended) A system to communicate via an Internet network, the system including:

a plurality of participator computers, each of the plurality of computers being connected to a respective input device and to a respective output device, the plurality of computers being connected, responsive to each of the plurality of computers sending a

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respective login name and password corresponding to a respective user identity, to a computer system programmed to:

store a respective particular user's access rights corresponding to each said user identity,

form a group corresponding to a first of the user identities and a second of the user identities, each member of the group being capable of sending and receiving communications in real time,

determine whether at least one of the first user identity and the second user identity, individually, is censored based on the corresponding user's access rights from receiving, in the communications, data comprising a pointer, the pointer producing a pointer-triggered message on demand, and

thereafter cause the computers to receive, in real time via the Internet network, and present the communications that are not censored ~~based on the individual user identity~~, and to not present the data that is censored at the output device corresponding to the user identity that is censored from receiving the data, wherein at least some of the communications include data representing at least text or ascii.

892. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers, each of the plurality of computers being connected to a respective input device and to a respective output device, the plurality of computers being connected, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

form a group corresponding to a first of the user identities and a second of the

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user identities, each member of the group being capable of sending and receiving communications in real time,

determine whether at least one of the first user identity and the second user identity, individually, is censored from sending, in the communications, a pointer that produces a pointer-triggered message on demand, and

thereafter cause the computers to receive, in real time via the Internet network, and present the communications that are not censored based on the individual user identity, and to not present the communications that are censored at the output device corresponding to the user identity that is censored from receiving the data, at least some of the communications including data representing at least text or ascii.

893. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a system;

sending, from each of the plurality of computers, a respective login name and password corresponding to a respective user identity;

providing a first of the user identities access to a member-associated image and to member identity information respectively corresponding to a second of the user identities;

determining whether the first of the user identities and the second of the user identities are able to form a group for sending and for receiving communications in real time; and

if the first and the second user identities are able to form the group, forming the group, sending the communications, and receiving the communications in real time and via the Internet network, wherein at least some of the communications include data representing multimedia messages, and at least some of the multimedia messages include a pointer that

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produces a pointer-triggered message on demand.

894. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system;

sending a respective login name and password corresponding to a respective user identity from each of the plurality of computers;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether the first user identity is censored from access to a member-associated image and member identity information respectively corresponding to the second user identity;

if the first user identity is censored, not allowing access to the member-associated image;

if the first user identity is not censored, allowing access to the member-associated image; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications in real time and via the Internet network, wherein at least some of the communications include data representing at least one of a pointer, video, audio, graphic, or multimedia.

895. (Withdrawn) A system to communicate via an Internet network, the system including:

a plurality of computers communicatively connected, responsive to each of the computers sending a respective login name and password corresponding to a respective user

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identity, to a computer system programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time,

determine whether the first user identity is censored from access to a member-associated image and member identity information respectively corresponding to the second user identity,

if the first user identity is censored, not allow access to the member-associated image,

if the first user identity is not censored, allow access to the member-associated image, and

if the first and the second user identities are able to form the group, then form the group for sending the communications,

wherein the computers corresponding to the user identities of the formed group are programmed to receive the communications in real time and via the Internet network wherein at least some of the communications include data representing multimedia and at least some of the communications include a pointer that produces a pointer-triggered message on demand.

896. (Withdrawn) An Internet network communication system, the system including:

a plurality of computers connected, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

provide a first of the user identities access to a member-associated image corresponding to a second of the user identities,

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determine whether the first user identity is censored from access to a member-associated image corresponding to the second user identity,

if the first user identity is censored, not allow access to the member-associated image,

if the first user identity is not censored, allow access to the member-associated image,

determine whether the first of the user identities and the second of the user identities are able to form a group for sending and for receiving communications in real time, and

if the first and the second user identities are able to form the group, form the group, wherein those of the plurality of computers corresponding to the first and the second user identities are programmed to send the communications and to receive the communications in real time and via the Internet network.

897. (Withdrawn) The system of claim 909, wherein the at least one type includes video and at least one of text or ascii.

898. (Withdrawn) The system of claim 909, wherein the at least one type includes graphic and at least one of text or ascii.

899. (Withdrawn) The system of claim 909, wherein the at least one type includes audio and video and at least one of text or ascii.

900. (Withdrawn) The system of claim 909, wherein the at least one type includes audio and a member-associated image.

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901. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting a computer system with a plurality of computers;

sending, from each of the plurality of computers, a respective user identity associated with a login name and a password;

permitting at least a first of the user identities and a second of the user identities to form a group; and

communicating the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing multimedia messages comprised of more than one data type, and at least some other of the communications include a pointer that produces a pointer-triggered message on demand.

902. (Withdrawn) A system to communicate via an Internet network, the system including:

a plurality of computers, responsive to each of the computers sending information indicative of a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

permit at least a first of the plurality of computers and a second of the plurality of computers to form a group for communicating communications in real time via the Internet network, wherein those of the plurality of computers in the group are programmed to receive the communications, at least some of the communications including data representing multimedia messages comprised of more than one data type, and at least some other of the communications including a pointer that produces a pointer-triggered message on demand.

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903. (Withdrawn) A human communication system for controlling communication via an Internet network, the system including:

a plurality of computers connected, responsive to each of the plurality of computers sending a user identity associated with a login name and a password, to a computer system programmed to allow a first of the user identities and a second of the user identities to form a group to send and receive communications in real time and via the Internet network, wherein those of the plurality of computers in the group are programmed to receive communications, wherein at least some of the communications include a pointer that produces a pointer-triggered message on demand, at least some of the communications include data representing human communication of sound, and at least some of the communications include data representing at least one of text or ascii.

904. (Withdrawn) The system of claim 909, wherein the at least one type includes video and a member-associated image.

905. (Withdrawn) The system of claim 909, wherein the at least one type includes audio and a member-associated image and at least one of text or ascii.

906. (Withdrawn) The system of claim 909, wherein the at least one type includes multimedia and at least one of text or ascii.

907. (Withdrawn) The system of claim 909, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

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908. (Withdrawn) The system of claim 880, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

909. (Withdrawn) A system of controlling communications via an Internet network, the system including:

a computer system programmed to:

connect a plurality of computers including a first computer in response to each of the plurality of computers sending information indicative of a respective login name and a respective password, which together correspond to a user identity,

store a set of privileges corresponding to each user identity,

determine whether the set of privileges corresponding to each user identity includes a privilege to communicate at least one type of message in real time via the Internet network, the type including a pointer, and if the set of privileges includes the privilege, communicate the at least one type of message,

the computer system being further programmed to allow the first computer to communicate data representing the at least one type of message to another of the plurality of computers, and

if the set of privileges does not include the privilege to communicate the at least one type of message, disallow the first computer from communicating the at least one type of message to another of the plurality of computers.

910. (Withdrawn) A method of controlling communications via an Internet network, the method including:

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connecting a computer system with a plurality of computers;

sending information indicative of a respective login name and password corresponding to a first user identity from a first of the plurality of computers;

receiving information indicative of a login name and a password corresponding to a second user identity from a second of the plurality of computers;

allowing the first user identity and the second user identity to form a group; and

sending and receiving communications in real time and via the Internet network between those of the plurality of computers in the group, wherein at least some of the communications include a pointer that produces a pointer-triggered message on demand, at least some of the communications include data representing sound indicative of a human communication of sound, and at least some of the communications include data representing at least one of text or ascii.

911. (Withdrawn) The system of claim 881, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

912. (Withdrawn) The system of claim 882, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

913. (Withdrawn) The system of claim 883, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

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914. (Withdrawn) The system of claim 886, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

915. (Withdrawn) The system of claim 887, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

916. (Withdrawn) A method of controlling communications via an Internet network, the method including:

storing a set of privileges corresponding to a user identity;

connecting a plurality of computers via the Internet network;

receiving information indicative of a login name and a password corresponding respectively to the user identity from a first computer of the plurality of computers;

determining whether the set of privileges includes a privilege to communicate at least one type of message, the type of message including at least one of a pointer, audio, video, a graphic, or multimedia, the privilege to communicate corresponding to at least one parameter changeable by a user corresponding to another user identity;

if the set of privileges includes the privilege to communicate the at least one type of message, allowing the first of the plurality of computer to communicate, in real time via the internet network, the type of message to an other of the plurality of computers; and

if the set of privileges does not include the privilege to communicate the at least one type of message, disallowing the first computer from communicating the at least one type of message to the other of the plurality of computers.

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917. (Withdrawn) A method of receiving a communication via an Internet network, the method including:

sending, from a first computer, information indicative of a login name and a password corresponding to a user identity;

responsive to the sending, connecting the first computer to a computer system;

forming a communication link between the first computer and a second computer for communicating a communication, the communication including data representing at least one of a member-associated image, video, a graphic, sound, or multimedia;

communicating a pointer, from the first computer to the computer system to obtain the communication at the first computer, the communication being sent in real time and via the Internet network; and

receiving the communication from the first computer at the second computer over the communication link.

918. (Withdrawn) A system to distribute a communication via an Internet network, the system including:

a first computer connected to a computer system, the first computer being connected responsive to its sending information indicative of a login name and a password corresponding to a user identity;

a communication link between the first computer and a second computer; and

respective software stored in the first and second computers, the software stored in the first computer being programmed to communicate a pointer, from the first computer to the computer system, for receiving the communication at the first computer, the communication being sent in real time and via the Internet network, and the software stored in the second computer being programmed to receive the communication for the first computer at the second

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computer via the communication link, wherein the communication includes data representing at least one of video, a graphic, sound, or multimedia.

919. (Withdrawn) The system of claim 888, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

920. (Withdrawn) The system of claim 889, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

921. (Withdrawn) The system of claim 890, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

922. (Withdrawn) The system of claim 897, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

923. (Withdrawn) The system of claim 898, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

924. (Withdrawn) The system of claim 899, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-

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triggered message on demand.

925. (Withdrawn) The system of claim 900, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

926. (Withdrawn) The system of claim 904, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

927. (Withdrawn) The system of claim 905, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

928. (Withdrawn) The system of claim 906, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

929. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer.

930. (Withdrawn) The method of claim 916, wherein the at least one type includes audio.

931. (Withdrawn) The method of claim 916, wherein the at least one type

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includes video.

932. (Withdrawn) The method of claim 916, wherein the at least one type includes a graphic.

933. (Withdrawn) The method of claim 916, wherein the at least one type includes multimedia.

934. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and audio.

935. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and video.

936. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and a graphic.

937. (Withdrawn) The method of claim 916, wherein the at least one type includes audio and a graphic.

938. (Withdrawn) The method of claim 916, wherein the at least one type includes audio and video.

939. (Withdrawn) The method of claim 916, wherein the at least one type includes video and a graphic.

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940. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and audio and video.

941. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and audio and a graphic.

942. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and video and a graphic.

943. (Withdrawn) The method of claim 916, wherein the at least one type includes audio and video and a graphic.

944. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and audio and video and a graphic.

945. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer that produces a pointer-triggered message on demand.

946. (Withdrawn) The method of claim 930, wherein the at least one type includes a pointer that produces a pointer-triggered message on demand.

947. (Withdrawn) The method of claim 931, wherein the at least one type includes a pointer that produces a pointer-triggered message on demand.

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948. (Withdrawn) The method of claim 933, wherein the at least one type includes a pointer that produces a pointer-triggered message on demand.

949. (Withdrawn) An Internet communication system, the system including:

a computer system including a server computer;

a plurality of computers, each of the plurality of computers connected to an input device and an output device, and

a communication link between the computer system including a server computer and each of the plurality of computers, each of the plurality of computers being connected responsive to its sending information indicative of a login name and password, each respective login name and password corresponding to a respective user identity,

wherein the server computer is programmed to:

allow one of the plurality of computers to be a member in one of a plurality of communication channels, each said communication channel allowing communication between at least some of the plurality of computers by way of the communication link,

cause graphical multimedia associated with a first of the login names to be presented at one of the output devices corresponding to a second of the user identities,

the server computer being further programmed to cause the user messages to be delivered over or by way of the Internet network, in at least one of the communication channels, and in real time between receipt and delivery of the user messages so as to allow access to the user messages,

wherein at least some of the user messages individually include at least two of text, a sound, a graphic, an image, and a video.

950. (Withdrawn) The system of claim 949, wherein at least one of said user

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messages includes a uniform resource locater, whereby the uniform resource locater produces a message upon demand.

951. (Withdrawn) The system of claim 949, wherein at least one of said user messages includes the uniform resource locator, whereby the uniform resource locator commands at least one of the plurality of computers corresponding to the receipt to locate an additional message and present the additional message at the respective output device.

952. (Withdrawn) The system of claim 949, wherein the computer system is further programmed to determine whether the receipt is censored, and to cause the receipt if the receipt is not censored.

953. (Withdrawn) A method of communicating via an Internet network, the method including:

establishing a communication path between a computer system and each of a plurality of computers, each of the plurality of computers respectively connected to an input device and to an output device, each of the plurality of computers being connected responsive to its sending information indicative of a login name and password, each respective login name and password corresponding to a respective user identity,

allowing a first one of the plurality of computers to be a member of one of a plurality of communication channels, and

storing, for a first of the user identities, an authorization for allowing or disallowing presentment of graphical multimedia,

based on the authorization, presenting the graphical multimedia at the output device corresponding to a second of the user identities,

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sending and receiving, in real time, user messages between two or more of the plurality of computers, over or by way of the Internet network, in at least one of the communication channels, thereby allowing access to the user messages,

wherein at least some of the user messages individually include a uniform resource locator that points to data other than text or ascii.

954. (Withdrawn) The method of claim 953, further including instructing at least one of the plurality of computers to locate an additional user message on demand via the uniform resource locator.

955. (Currently amended) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

storing a respective particular user's access rights corresponding to each said user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored by the corresponding user's stored access rights from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and facilitating receiving the communications that are

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not censored based on the individual user identity, wherein the receiving is in real time via the Internet network, and facilitating not receiving the communications that are censored.

956. (Currently amended) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

storing a respective particular user's access rights corresponding to each said user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored by the corresponding user's stored access rights from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and facilitating receiving the communications in real time via the Internet network.

957. (Currently amended) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user

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identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group, facilitating sending the communications that are not censored based on the individual user identity, and facilitating receiving the communications that are sent, the receiving in real time via the Internet network.

958. (Currently amended) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and facilitating receiving the sent communications in real time via the Internet network.

959. (Currently amended) A system to communicate via an Internet network, the system including:

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a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

store a respective particular user's access rights corresponding to each said user identity;

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time;

determine whether at least one of the first user identity and the second user identity, individually, is censored by said user's stored access rights from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia, and

if the first and the second user identities are able to form the group, form the group for sending the communications, and

cause the plurality of computers in the group to receive, in real time via the Internet network, the communications that are not censored based on the individual user identity, and

cause the plurality of computers in the group to not receive the communications that are censored based on the individual user identity.

960. (Currently amended) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

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store a respective particular user's access rights corresponding to each said user identity,

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored by the corresponding user's stored access rights from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed to send the communications, and cause the plurality of computers in the group to receive, in real time via the Internet network, the communications that are not censored ~~based on the individual user identity~~.

961. (Currently amended) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determine whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed and the communications that are not censored based on the individual user

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identity to be sent, and cause the communications that are sent to be received in real time via the Internet network.

962. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed to send and receive the communications between members of the group, wherein the communications are received in real time via the Internet network.

963. (Withdrawn) The method of claim 939, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

964. (Withdrawn) The method of claim 940, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

965. (Withdrawn) The method of claim 941, further including allowing the

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first computer to communicate a pointer that produces a pointer-triggered message on demand.

966. (Withdrawn) The method of claim 942, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

967. (Withdrawn) The method of claim 943, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

968. (Withdrawn) The method of claim 944, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

969. (Withdrawn) The method of claim 945, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

970. (Withdrawn) The method of claim 916, further including presenting an option to the plurality of computers to access the computer system with at least two client software alternatives.

971. (Withdrawn) The method of claim 916, further including determining whether receipt of a communication is censored based on content.

972. (Withdrawn) The method of claim 916, further including determining whether receipt of a communication is censored based on age.

973. (Currently amended) A method communicating via an Internet network, the

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method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity, each said user identity corresponding to a respective particular user's stored access rights;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored by the corresponding user's stored access rights from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and facilitating receiving the communications that are not censored based on the individual user identity, wherein the receiving is in real time via the Internet network, and facilitating not receiving the communications that are censored.

974. (Currently amended) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity, each said user identity corresponding to a respective particular user's stored access rights;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time by determining whether at least one of the first user identity and the second user identity,

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individually, is censored by the corresponding user's stored access rights from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and facilitating receiving the communications in real time via the Internet network.

975. (Currently amended) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group, facilitating sending the communications that are not censored based on the individual user identity, and facilitating receiving the communications that are sent, the receiving in real time via the Internet network.

976. (Currently amended) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a

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respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and facilitating receiving the sent communications in real time via the Internet network.

977. (Withdrawn) A method of communicating via an Internet network, the method including:

presenting an option to a plurality of computers to access a computer system with at least one of two client software alternatives, wherein the option is exercised by providing a respective user name and password respectively corresponding to a user identity to at least one of the client software alternatives, wherein both of the two client software alternatives cause the respective user identities to be recognized by the computer system and allows at least some of the plurality of computers to form at least one group for sending communications, wherein at least some of the communications are received in real time via the Internet network, and wherein the at least one of client software alternatives allows the computer system to determine whether at least one of the user identities, individually, is censored from data representing at least one of a pointer, video, audio, graphic, or multimedia such that the data that is censored is not presented by the corresponding computer.

978. (Currently amended) A system to communicate via an Internet network,

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the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

store a respective particular user's access rights corresponding to each said user identity,

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time;

determine whether at least one of the first user identity and the second user identity, individually, is censored by the corresponding user's stored access rights from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia, and

if the first and the second user identities are able to form the group, form the group for sending the communications, and

cause the plurality of computers in the group to receive, in real time via the Internet network, the communications that are not censored based on the individual user identity, and

cause the plurality of computers in the group to not receive the communications that are censored based on the individual user identity.

979. (Currently amended) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information

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indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

store a respective particular user's access rights for each corresponding user identity,

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored by the corresponding user's stored access rights from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed to send the communications, and cause the plurality of computers in the group to receive, in real time via the Internet network, the communications that are not censored based on the individual user identity so as to carry out the corresponding user's stored access rights.

980. (Currently amended) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

store a respective particular user's access rights for each corresponding user identity;

determine whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

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determine whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed and the communications that are not censored based on the individual user identity to be sent, and cause the sent communications to be received in real time via the Internet network so as to carry out the corresponding user's stored access rights.

981. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed to send and receive the communications between members of the group, wherein the communications are received in real time via the Internet network.

982. (Currently amended) A method of communication over an Internet network, the method including:

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connecting a computer system with a plurality of computers;

~~sending~~ receiving information indicative of a respective login name and password corresponding to a first user identity from a first of the plurality of computers, the first user identity corresponding to a particular user's stored access rights;

receiving information indicative of a login name and a password corresponding to a second user identity from a second of the plurality of computers, the second user identity corresponding to a particular user's stored access rights; and

allowing the first user identity and the second user identity to send and receive communications on at least one of a plurality of channels, wherein at least some of the communications are received in real time via the Internet network, the computer system being programmed to determine whether at least one of the user identities, individually, is censored from data in one of the channels, the data representing at least one of a pointer, video, audio, graphic, or multimedia, such that the data that is censored by the corresponding user's stored access rights is not presented by the corresponding computer.

983. (Previously presented) The method of claim 980, wherein the data includes a pointer that produces a pointer-triggered message on demand.

984. (Previously presented) The method of claim 980, further including:

determining whether the first user identity is censored from the data by determining whether a parameter corresponding to the first user identity has been determined by a user corresponding to an other of the user identities.

985. (Currently amended) A method of communicating via an Internet network, the method including:

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connecting a computer system with a plurality of computers;

~~sending~~ receiving, from each of the plurality of computers, a respective user identity associated with a login name and a password, each said user identity corresponding to a respective particular user's stored access rights;

determining whether at least one of a first of the user identities is censored by the corresponding user's stored access rights from graphical multimedia; and

allowing at least a first of the user identities and a second of the user identities to form a group; and

facilitating sending and receiving the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing at least one of a pointer, video, audio, a graphic, multimedia, or at least one of text or ascii, and not allowing the graphical multimedia that is censored to be presented at a corresponding one of the computers ~~corresponding to the one of the user identities~~.

986. (Currently amended) A method of communicating via an Internet network, the method including:

connecting a computer system with a plurality of computers;

~~sending~~receiving, from each of the plurality of computers, a respective user identity associated with a login name and a password, each said user identity associated with a respective particular user's stored access rights;

determining whether at least one of a first of the user identities is censored by said user's stored access rights from graphical data; and

allowing at least a first of the user identities and a second of the user identities to form a group; and

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facilitating sending and receiving the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing at least one of a pointer, video, audio, a graphic, multimedia, or at least one of text or ascii, and not allowing the graphical data that is censored to be presented at a corresponding one of the computers ~~corresponding to the one of the user identities~~.

987. (Currently amended) A method of communicating via an Internet network, the method including:

connecting a computer system with a plurality of computers;

~~sending~~ receiving, from each of the plurality of computers, a respective user identity associated with a login name and a password, each said user identity associated with a respective particular user's stored access rights;

determining whether at least one of a first of the user identities is censored by the respective user's stored access rights from data representing graphical multimedia; and

allowing at least a first of the user identities and a second of the user identities to form a group; and

allowing sending and receiving the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing at least one of a pointer, video, audio, a graphic, multimedia, or at least one of text or ascii, and not allowing the data representing graphical multimedia that is censored to be presented at a corresponding one of the computers ~~corresponding to the one of the user identities~~.

988. (Currently amended) A method of communicating via an Internet network,

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the method including:

connecting a computer system with a plurality of computers;

~~sending~~receiving, from each of the plurality of computers, a respective user identity associated with a login name and a password, each said user identity associated with a respective particular user's stored access rights;

determining whether at least one of a first of the user identities is censored by the corresponding user's stored access rights from graphical data; and

allowing at least a first of the user identities and a second of the user identities to form a group; and

allowing sending and receiving the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing at least one of a pointer, video, audio, a graphic, multimedia, or at least one of text or ascii, and not allowing the graphical data that is censored to be presented at a corresponding one of the computers ~~corresponding to the one of the user identities~~.

989. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting, responsive to sending information indicative of a respective login name and password corresponding to a respective user identity, a plurality of computers with computer system;

storing at least one permission corresponding to a first of the user identities, the permission allowing or disallowing communication of a type of media;

changing, responsive to a second of the users, the stored permission; and

if the first user identity has permission to allow the communication, the sending the communications and receiving and presenting the communications, wherein the receiving is

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in real time and via the Internet network, and not presenting the data that is censored to the corresponding output device.

990. (Withdrawn) The method of claim 989, wherein the data represents a pointer.

991. (Withdrawn) The method of claim 989, wherein the data represents a pointer that produces a pointer-triggered message on demand.

992. (Withdrawn) The method of claim 989, wherein the data represents video.

993. (Withdrawn) The method of claim 989, wherein the data represents audio.

994. (Withdrawn) The method of claim 989, wherein the data represents a graphic.

995. (Withdrawn) The method of claim 989, wherein the data represents multimedia.

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II. Remarks

The amendment herein is responsive to *BMC Resources, Inc. v Paymentech, L.P.*, Civ. No. 2006-1503 (Fed. Cir. Sept. 20, 2007) and *Muniauction, Inc. v. Thomson Corp.*, Case No. 07-1485 (Fed. Cir., July 14, 2008) and is otherwise to tidy up some claims.

Applicant notes that by the amendment filed on October 11, 2007, Applicant had intended to withdraw claims 989-995. However, these claims have now been examined, and thus are understood to be still pending, which is acceptable to Applicant. The Examiner's attention is drawn to Applicant's co-pending Ser. No. 11/510,351, which also has claims drawn to multimedia and graphical multimedia, and to the enclosed McKesson-type filing related to this application.

Additionally, for the convenience of the Examiner and to expedite prosecution, attention is drawn to the Brown '947 patent. It is noted that although the Brown '947 patent mentions "tokens," they "identify categories or groupings of content objects (such as "internal public data," "Internet public data," and "18-and-older only data") for security purposes" (col. 3, lines 1-4), this is in contrast to Applicant's teaching of "pieces of information associated with user identity" (Marks patent (parent of the instant application); 5,956,491, col. 7, line 67, to col. 8, line 1). Brown also teaches "…storing access rights data primarily on a per-user-group basis, **rather than separately storing the access rights of each individual user**…" (emphasis added).

Applicant maintains that the claims have not been shown to be unpatentable over the cited art, and Applicant offers any assistance that may be of help in furthering prosecution.

With respect to the present application, the Applicant hereby rescinds any disclaimer of claim scope made in the parent application or any predecessor or related application. The Examiner is advised that any previous disclaimer, if any, and the prior art that it was made to avoid, may need to be revisited. Nor should a disclaimer, if any, in the present application be

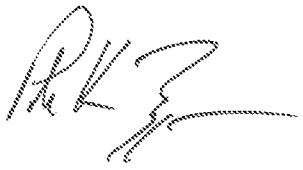
Petitioner Microsoft Corporation, Ex. 1002, p. 2624

read back into any predecessor or related application.

The application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefore. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: September 23, 2008

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2625

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	**Applicant:** Daniel L. Marks	
(Use several sheets if necessary)	**Filing Date:** September 20, 1999	**Group:** 2145

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	5,440,624	Aug. 8, 1995	Schoof, II	379	202	Nov. 10, 1992
	A2	5,771,355	Jun. 23, 1998	Kuzma	395	200.62	Dec. 21, 1995

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	"Office Action," dated March 18, 2008, for Serial No. 11/510,351
	C2	"Amendment and Response," filed in Serial No. 11/510,351 on September 18, 2008

EXAMINER:	DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	3988900
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	23-SEP-2008
Filing Date:	20-SEP-1999
Time Stamp:	14:29:33
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	15038
Deposit Account	500235
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP199transSuppARIDS.pdf	53345 c13e31647c2847a5ee5d5fcd1f9e1f4334ff813d2	no	2
Warnings:					
Information:					
2	Supplemental Response or Supplemental Amendment	AISP199SupplementalARFinal.pdf	414430 401988e546b2451ed6454743a4a7ac84225b96c1	no	169
Warnings:					
Information:					
3	Information Disclosure Statement Letter	aisp199ids17.pdf	55845 8deb10a63c6c3b9625dba042d7fed85ba77e01d7	no	2
Warnings:					
Information:					
4	Information Disclosure Statement (IDS) Filed (SB/08)	AISP199144917.pdf	31809 da4f0b065616f926f8c51f5caf4fe263dfcbcc26	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
5	NPL Documents	5771355.pdf	1167914 3ab2ba9bc00dbfc04830e829885c91980b277d6c	no	17
Warnings:					
Information:					
6	NPL Documents	5440624.pdf	1363253 02b312e56e68711f4105ec0e8ded8752222fbdb1	no	17
Warnings:					
Information:					
7	NPL Documents	AISP199AISP106OA.pdf	777158 d57ba9347d04dbf8af1d4ac81666394a12db581d	no	23
Warnings:					
Information:					

8	NPL Documents	AISP199AISP106amendresp.pdf	114916 eaa08172fc31b3cfe970730b4bc94ea352cc3016	no	18
Warnings:					
Information:					
9	Fee Worksheet (PTO-06)	fee-info.pdf	30234 40518e0b43cbd868474b3c121258fa35a2c19a40	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	4008904		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application is the following:

1. Supplemental Amendment and Response;

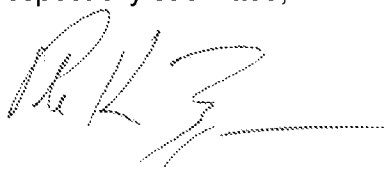
2. Information Disclosure Statement; and

3. PTO Form 1449 and Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: September 23, 2008

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2633

PATENT

Paper No.

File: AIS-P1-99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The Examiner is reminded to check those files for such materials.

It is respectfully requested that this Information Disclosure Statement be entered

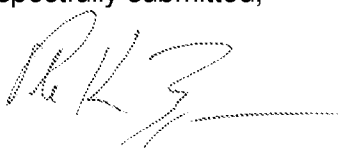
and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. Thus, in accordance with 37 C.F.R. § 1.97(c), a fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,



Date: September 23, 2008

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2635

PATENT

Paper No.

File: AIS-P1-99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	20 September 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, particularly Serial No. 08/617,658, filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The Examiner is reminded to check those files for such materials.

It is respectfully requested that this Information Disclosure Statement be entered

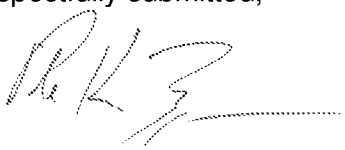
and the reference(s) listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.98(d), copies of the listed references are enclosed.

In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as representation that a search has been made, and is not to be construed to be an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability as defined in 37 C.F.R. § 1.56. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

This Information Disclosure Statement is being filed after receipt of the first Office Action reflecting an examination on merits. Thus, in accordance with 37 C.F.R. § 1.97(c), a fee is due. Should any additional fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,



Date: September 3, 2008

Peter K. Trzyna
(Reg. No. 32,601)

P.O. Box 7131
Chicago, IL 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2637

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	**Applicant:** Daniel L. Marks	
(Use several sheets if necessary)	**Filing Date:** September 20, 1999	**Group:** 2765

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1						
	A2						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	"ITU-T: Telecommunication Standardization Of Sector ITU: Series T: Terminal Equipments And Protocols For Telematic Services," International Telecommunication Union, T.120, (07/96) Pages 1-24
	C2	"T.120 Whitepaper: A Primer On The T.120 Series Standard," DataBeam Corporation, 1995, Pages 1-15
	C3	"Complaint: Brian Hollander vs. Peter K. Trzyna and PTK Technologies, LLC," Filed November 13, 2007, Pages 1-18

EXAMINER:	DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	3879233
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	03-SEP-2008
Filing Date:	20-SEP-1999
Time Stamp:	13:02:36
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180

RAM confirmation Number	7586
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP199trans.pdf	53237 15acb67695316aa06c1ec3f021b9cc09b9baf9f2	no	2
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Filed (SB/08)	aisp199ids16doc.pdf	55839 2fa1bb569a169fe29236c0eabbd13173a68ebd3c	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3	Information Disclosure Statement Letter	AISP199144916.pdf	32452 d12626545381da06ffcc275c88b10b3003e172e4	no	1
Warnings:					
Information:					
4	NPL Documents	HollanderComplaint.pdf	3152063 de4c6a62a9e4fd8550a7bbcfe4e606a6839e8c40	no	18
Warnings:					
Information:					
5	NPL Documents	AISP199outbind3.pdf	150914 b026c5f56d6f7cd34c391d31ed86698e56ff527d	no	15
Warnings:					
Information:					
6	NPL Documents	AISP199TRECT120.pdf	211175 7a9ee25ea7aa92bfe6630e954dcbfb8bf70178b4	no	24
Warnings:					
Information:					

7	Fee Worksheet (PTO-06)	fee-info.pdf	30233 6f72a2f2c7820ce0b23de537d5892beac74671ee	no	2

Warnings:	
Information:	
Total Files Size (in bytes):	3685913

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application is the following:

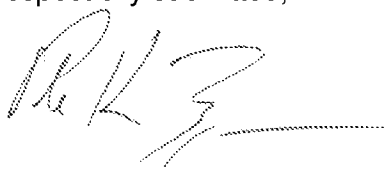
1. Information Disclosure Statement; and

2. PTO Form 1449 and Cited Art.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: September 3, 2008

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2645

RECEIVED
CENTRAL FAX CENTER

SEP 0 2 2008

I hereby certify that this correspondence is being filed by facsimile and is addressed to MS: No Fee Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: September 2, 2008

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND REQUEST
FOR CORRECTED FILING RECEIPT

SIR:

Please enter the following, and reconsider the application in view of the amendment and the remarks set forth below. It is believed that no new matter has been added.

Petitioner Microsoft Corporation, Ex. 1002, p. 2646

Ser. No. 09/399,578
Atty. Ref: AIS-P1-99
Art Unit 2145

I. Amendment

A. In the Specification

Please amend the specification as set forth below. An Amended Version of the Specification (Page 2), and Clean Version of the Specification (Page 2) are submitted herewith.

Page 2, paragraph 1, line 1, after 1996, there insert , and issued as U.S. Patent No. 5,956,491 on September 21, 1999,

Petitioner Microsoft Corporation, Ex. 1002, p. 2647

II. REMARKS AND REQUEST FOR CORRECTED FILING RECEIPT

Applicant respectfully requests that a Corrected Filing Receipt be issued in the above-identified application that correctly reflects the Priority Data. The Priority Data for the above-identified application was added by the Preliminary Amendment filed September 20, 1999. The present amendment add the patent number to the previously provided serial number. The Priority Data should read as follows:

This application is a continuation of Ser. No. 08/617,658 filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999.

The Filing Receipt mailed on October 28, 1998, does not contain any of the continuation information for the above-identified application. Applicant has not enclosed a copy of the Filing Receipt with corrections thereon in red ink because the Filing Receipt does not contain a place for corrections to be made thereon in red ink.

The application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion or by a personal interview, the Examiner is requested to call the undersigned at (312) 240-0824.

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SEP 0 2 2008

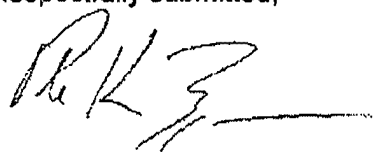
Ser. No. 09/399,578
Atty. Ref: AIS-P1-99
Art Unit 2145

III. CONCLUSION

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefor.

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: September 2, 2008

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Amended Version of the Specification

I. FIELD OF INVENTION

This invention is a continuation of serial number 08/617,658 filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, directed to an apparatus, a manufacture, and methods for making and using the same, in a field of digital electrical computer systems. More particularly, the present invention is directed to a digital electrical computer system involving a plurality of participator computers linked by a network to at least one of a plurality of participator computers, the participator computers operating in conjunction with the controller computer to handle multiplexing operations for communications involving groups of some of the participator computers.

Clean Version of the Specification

I. FIELD OF INVENTION

This invention is a continuation of serial number 08/617,658 filed April 1, 1996, and issued as U.S. Patent No. 5,956,491 on September 21, 1999, directed to an apparatus, a manufacture, and methods for making and using the same, in a field of digital electrical computer systems. More particularly, the present invention is directed to a digital electrical computer system involving a plurality of participator computers linked by a network to at least one of a plurality of participator computers, the participator computers operating in conjunction with the controller computer to handle multiplexing operations for communications involving groups of some of the participator computers.

Regular Correspondence:
195 North Harbor Drive, Suite 5403, Chicago Illinois 60601-7542

Docketed Correspondence:
Post Office Box 7131, Chicago Illinois 60680-7131

Peter K. Trzyna, Esq.

Telephone: (312) 240-0824 Facsimile: (312) 240-0825

E-mail: pkt-law@sbcglobal.net

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SEP 0 2 2008

Fax

To: Examiner Patrice Winder	**Re:** 09/399,578 Amendment & Request
Firm: United States Patent and Trademark Office	**Date / Time:** September 2, 2008
Street Address:	**Phone:** (571) 272-3935
City, State Zip: Alexandria, VA 22313	**Fax:** (571) 273-8300
cc:	**No. of Pages:** 9 (including cover)

PRIVACY AND CONFIDENTIALITY NOTICE

The information contained in this communication is confidential and may be legally privileged. It is intended solely for the use of the individual or entity to whom it is addressed and other authorized to receive it. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or taking of any action in reliance on the contents of this information is strictly prohibited. If you received this communication in error, please immediately notify us by a collect telephone call to the writer at the writer's direct number indicated above, and return the original message and documents to the sender at the above address via the United States postal service.

Message:

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SEP 02 2008

I hereby certify that this correspondence is being filed by facsimile and is addressed to MS: No Fee Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: September 2, 2008

Signed: Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application is the following:

1. Amendment and Request for Corrected Filing Receipt;
2. Amended Version of Substitute Specification Page 2; and
3. Clean Version of the Substitute Specification Page 2.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Ser. No. 09/399,578
Atty. Ref: AIS-P1-99
Art Unit 2145

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: September 2, 2008

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28710)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL RESPONSE

S I R :

In further response to the Office Action mailed January 9, 2008, and supplemental to Applicant's Response filed July 8, 2008, please reconsider the application in view of the remarks set forth below.

II. Remarks

In further response to the Office Action of 9 January 2008, and to supplement Applicant's Response filed July 8, 2008, the Examiner is requested to reconsider the application in view of the remarks set forth below.

In paragraph 5 of the Office Action, claims 1-168, 170-291, 299, 309-366, 376-408, 410-502, 504-519, 521-536, 538-553, 556-570, 572-590, 592-598, 60-631, 726-754, 818-861, 876-878, 890-892, 897-900, 904-909, 911-916, 919, 948, 953-976, and 978-995 have been rejected pursuant to 35 U.S.C. Sec. 103. Generally, the Examiner has contended that these claims are obvious over Brown in view of Tang for reasons more precisely stated in the Office Action.

In further response, the Examiner does not contend, nor does the cited art teach or suggest, the claimed … censored from sending… as per claims 35-51, 138-160, 164, 170, 191-291, 309-366, 376-379, 414-430, 471, 493-536, 538-553, 555-570, 572-631, 734-740, 748-754, 885, 892, 957-958, 961-962, 975-976, 980-981, and 983-984.

With respect to the present application, the Applicant hereby rescinds any disclaimer of claim scope made in the parent application or any predecessor or related application. The Examiner is advised that any previous disclaimer, if any, and the prior art that it was made to avoid, may need to be revisited. Nor should a disclaimer, if any, in the present application be read back into any predecessor or related application.

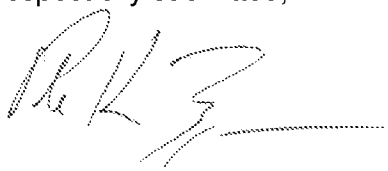
The application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion or by a personal interview, the Examiner is requested to call the undersigned at (312) 240-0824.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefor.

Petitioner Microsoft Corporation, Ex. 1002, p. 2656

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: August 26, 2008

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28910)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2657

Electronic Acknowledgement Receipt

EFS ID:	3843273
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	26-AUG-2008
Filing Date:	20-SEP-1999
Time Stamp:	17:45:37
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP199trans.pdf	53161 ea99ad1494f4165d32cde2ccac8382a8f4d62a7f	no	2
Warnings:					
Information:					
2	Supplemental Response or Supplemental Amendment	AISp199SupplementalResponse.pdf	58089 2706b9dfccdeca3fbde43c9f9ff1c320cf0bb19f	no	3
Warnings:					
Information:					
		Total Files Size (in bytes):	111250		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

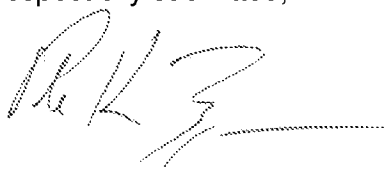
Transmitted herewith for filing in the above-identified patent application is the following:

1. Supplemental Response.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: August 26, 2008

Peter K. Trzyna
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(Customer No. 28910)

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Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2661

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE

S I R :

In response to the Office Action mailed January 9, 2008, please reconsider the application in view of the remarks set forth below.

II. Remarks

In response to the Office Action of 9 January 2008, the Examiner is requested to reconsider the application in view of the remarks set forth below.

In paragraph 1 of the Office Action, the Examiner has correctly notes the continued examination under 37 C.F.R. Sec. 1.114, and that Applicant's submission filed on October 11, 2007, has been entered. In the Continuation of Disposition of Claims for page 1 of the Office Action, there is a listing of pending and withdrawn claims. However, the listing is inconsistent with the submission and the restriction requirement. The listing states that claim 169 has been withdrawn, but claim 169 is pending; claim 165 has been withdrawn. The listing also states that claims 818-844 are pending, but claims 818-844 have been withdrawn. Further, claim 591 previously had a duplicate, and one of the duplicates was cancelled, while the other remains pending. Compare the restriction requirement with Applicant's filing of October 11, 2007, and the claim charts.

In paragraph 2 of the Office Action, the Examiner contends that the copy of the IDS is not legible, and thus it has not been considered. In order to aide the Examiner's handling of this application, Applicant has typed a new copy that is submitted herewith. Applicant again apologizes for the amount of art arising in the settled litigation, and this art has been filed out of an abundance of caution. Applicant again offers to fly to Washington DC or do whatever Applicant can do to ease the Examiner's handling of this application.

In paragraph 3 of the Office Action, the Examiner has expressed appreciation for the claim charts. Again, Applicant is willing to do whatever Applicant can do to ease the Examiner's handling of this application.

In paragraph 4 of the Office Action, the Examiner has graciously provided a copy of 35 U.S.C. Sec. 103. Applicant appreciates the consideration.

In paragraph 5 of the Office Action, the Examiner has graciously provided a summary

Petitioner Microsoft Corporation, Ex. 1002, p. 2663

for determining obviousness pursuant to *Deere*. Applicant appreciates the consideration.

In paragraph 5 of the Office Action, claims 1-168, 170-291, 299, 309-366, 376-408, 410-502, 504-519, 521-536, 538-553, 556-570, 572-590, 592-598, 60-631, 726-754, 818-861, 876-878, 890-892, 897-900, 904-909, 911-916, 919, 948, 953-976, and 978-995 have been rejected pursuant to 35 U.S.C. Sec. 103. Generally, the Examiner has contended that these claims are obvious over Brown in view of Tang for reasons more precisely stated in the Office Action.

In response, the rejection is respectfully traversed, and further explanation or allowance is respectfully requested. Applicant believes that a proper reason to combine has not been made out, subject to the Examiner's further information, and Applicant respectfully requests a more detailed explanation of the rejection, if it is maintained (pursuant to 35 U.S.C. Sec. 132, "the reasons for such rejection… together with such information as may be useful in judging the propriety of continuing prosecution…").

The Examiner contends at page 4 of the Office Action that Brown taught a content object at Column 16, lines 52-54, and that Tang taught the content object is a pointer, video, audio, a graphic, or multimedia at Column 9, lines 38-44, 51-55. The Examiner also contends that there was a reason to combine these to reach Applicant's claimed invention. However, at the cited portion of Brown, and further at Column 16, line 62, the content object appears to be an access control. The Examiner's attention is respectfully drawn to Brown's figures 3B and particularly 4B and the corresponding text to confirm that the meaning of content for the object in Brown correspond to access control.

Pursuant to 35 U.S.C. Sec. 132, the Examiner's information is requested regarding how Brown or Tang would be operable if Brown's access control were to be replaced with Tang's contended "a pointer, video, audio, a graphic, or multimedia." Subject to the Examiner's information, Applicant contends that a proper reason to combine has not been stated, at least because the proposed modification or combination would render the references inoperable for

Petitioner Microsoft Corporation, Ex. 1002, p. 2664

their respective purposes, the references contradict or teach away from the Examiner's proposed modification, and if the modification were carried out, it would change the principles of operation of the cited references. Further, the combination would not result in Applicant's claimed invention. Thus, a prima facie case of statutory obviousness has not been made out.

With respect to the present application, the Applicant hereby rescinds any disclaimer of claim scope made in the parent application or any predecessor or related application. The Examiner is advised that any previous disclaimer, if any, and the prior art that it was made to avoid, may need to be revisited. Nor should a disclaimer, if any, in the present application be read back into any predecessor or related application.

The application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion or by a personal interview, the Examiner is requested to call the undersigned at (312) 240-0824.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefor. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: July 8, 2008

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28910)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2665

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 3 months with $0 paid	1253	1	1050	1050

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
			Total in USD ($)	**1050**

Electronic Acknowledgement Receipt

EFS ID:	3584320
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	08-JUL-2008
Filing Date:	20-SEP-1999
Time Stamp:	18:45:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$1050

RAM confirmation Number	5180
Deposit Account	500235
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP199trans.pdf	53366 4d256abcef5f833274e38bd825745363af35d728	no	2
Warnings:					
Information:					
2	Extension of Time	AISP199petforext.pdf	53414 2abe4ddae1476b5ad180e3e57440bc40a7bcb6f5	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed	AISP1991449revisions.pdf	122409 85d40ef54e28350d5fcc794bf720877d3e82045b	no	12
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	Amendment - After Non-Final Rejection	AISP199FinalResponse.pdf	64828 fef0cb2e1544f7141f74e829a4f98cefb109e9f1	no	4
Warnings:					
Information:					
5	Fee Worksheet (PTO-06)	fee-info.pdf	8134 2fe60efb2de79401bd7dfc759951f244a6b04b18	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	302151		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

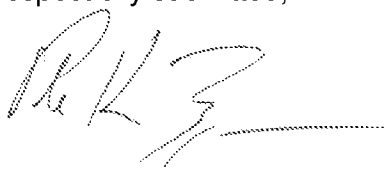
Transmitted herewith for filing in the above-identified patent application is the following:

1. Response;
2. Petition for Extension of Time; and
3. 1449 Form previously filed on August 15, 2007.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: July 8, 2008

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28910)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2672

PATENT

Paper No.

File: AIS-P1-99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	20 September 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	WINDER, Patrice L.

MS: Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION FOR EXTENSION OF TIME

S I R :

This is a Petition for Extension of Time for three (3) months to respond to the Office Action Mailed on January 9, 2008, in the above-referenced patent application. If additional time is necessary, this Petition is to be deemed a Petition for such time as necessary to accept the Response filed herewith.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: July 8, 2008

Peter K. Trzyna
(Reg. No. 32,601)

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2674

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	**Applicant:** Daniel L. Marks	
(Use several sheets if necessary)	**Filing Date:** September 20, 1999	**Group:** 2765

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Pages 1 and 2	*See Page 2*	*See Page 3 through 12*

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	4,710,917	12/01/1987	Tompkins, et al	709	204	04/08/1985
	A2	4,953,159	08/28/1990	Hayden, et al.	370	265	01/03/1989
	A3	5,195,086	03/16/1993	Baumgartner, et al.	370	264	04/12/1990
	A4	5,257,306	10/26/1993	Watanabe	348	14.09	05/26/1992
	A5	5,347,306	09/13/1994	Nitta	348	14.1	12/17/1993
	A6	5,440,624	08/08/1995	Schoof, II	379	202.01	11/18/1992
	A7	5,465, 370	11/07/1995	Ito, et al.	709	204	01/28/1992
	A8	5,471,315	11/28/1995	Ahuja, et al.	386	125	01/06/1992
	A9	5,491,743	02/13/1996	Shiio, et al.	709	204	05/24/1994
	A10	5,572,248	11/05/1996	Allen, et al.	348	14.1	09/19/1994
	A11	5,572,643	11/05/1996	Judson	709	218	10/19/1995
	A12	5,592,478	01/07/1997	Weiss	370	260	08/18/1994
	A13	5,613,056	03/18/1997	Gasper, et al.	345	473	05/31/1995
	A14	5,616,876	04/01/1997	Cluts	84	609	04/19/1995
	A15	5,617,539	04/01/1997	Ludwig, et al.	709	205	06/07/1996
	A16	5,627,978	05/06/1997	Altorn, et al.	715	758	12/16/1994
	A17	5,682,469	10/28/1997	Linnett, et al.	345	473	07/08/1994
	A18	5,713,019	01/27/1998	Keaten	707	10	10/26/1995
	A19	5,721,763	02/24/1998	Joseph, et al.	379	88.04	01/31/1996
	A20	5,729,684	05/17/1998	Kuzma	709	204	05/16/1995
	A21	5,754,775	05/19/1998	Adamson, et al.	709	204	09/27/1995
	A22	5,774,668	06/30/1998	Choquier, et al.	709	223	06/07/1995
	A23	5,784,568	07/21/1998	Needham	709	234	08/31/1995

EXAMINER:	DATE CONSIDERED:

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A24	5,793,365	08/11/1998	Tang, et al.	345	329	01/02/1996
	A25	5,794,006	08/11/1998	Sandermah	709	223	08/18/1995
	A26	5,794,210	08/11/1998	Goldhaber, et al.	705	14	12/11/1995
	A27	5,799,151	08/25/1998	Hoffer	709	204	07/24/1995
	A28	5,801,700	09/01/1998	Ferguson	715	748	01/19/1996
	A29	5,802,281	09/01/1998	Clapp, et al.	709	228	09/07/1994
	A30	5,812,552	09/22/1998	Arora, et al.	370	395.53	03/19/1996
	A31	5,822,523	10/13/1998	Rothschild, et al.	709	236	02/01/1996
	A32	5,826,085	10/20/1998	Bennett, et al.	111	181	08/18/1997
	A33	5,832,212	11/03/1998	Cragun, et al.	395	188.01	04/19/1996
	A34	5,850,442	12/15/1998	Muftic	705	65	03/26/1996
	A35	5,880,731	03/09/1999	Liles, et al.	715	758	12/14/1995
	A36	5,889,843	03/30/1999	Singer, et al.	379	202.01	03/04/1996
	A37	5,924,082	07/13/1999	Silverman, et al.	705	37	06/07/1995
	A38	5,933,599	08/03/1999	Nolan	715	734	07/17/1995
	A39	5,941,947	08/24/1999	Brown, et al.	709	225	08/18/1995
	A40	5,956,509	09/21/1999	Kevner	719	330	08/18/1995
	A41	5,974,409	10/26/1999	Sanu, et al.	707	3	08/23/1995
	A42	5,987,401	11/16/1999	Trudeau	704	2	12/08/1995
	A43	6,692,359	02/17/2004	Williams, et al.	463	42	11/08/1993

EXAMINER:	DATE CONSIDERED:

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Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "Complaint" filed 6/24/2004.
	C2	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "Notice of Claim Involving a Patent" filed 6/24/2004.
	C3	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "First Amended Answer to the Complaint, and Counterclaim of Defendant America Online, Inc." filed 9/14/2004.
	C4	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "Plaintiff's Reply to the First Amended Counterclaim of Defendant America Online, Inc." filed 9/28/2004.
	C5	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "AOL's Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated April 29, 2005.
	C6	"Internet hasn't focused on good photography as much as it could" Article, The Dallas Morning News, 9/1995 (AOL-B 0001478)
	C7	"Group dynamics add fun to guided online tours" Article, USA Today, 10/1995 (AOL-B 0001479)
	C8	"People with addictions band together for support on line", Article, 6/1995 (AOL-B 0001480)
	C9	"Netscape Communications Introduces Netscape Internet Applications Family For Electronic Commerce" Netscape Company Press Relations, 3/1995 (AOL-B 0005712-0005713)
	C10	"Netscape Navigator Personal Edition" Software (AOL-B 0000446-0000451)

EXAMINER:	DATE CONSIDERED:

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C11	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "Expert Report of Bruce M. Maggs" dated 8/5/2005.
	C12	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "Supplemental Rebuttal Expert of Bruce M. Maggs Regarding Invalidity of U.S. Patent 5,956,491" dated 9/26/2005.
	C13	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, Rebuttal Expert Report of Bruce M. Maggs Regarding Invalidity of U.S. Patent 5,956,491" dated 8/28/2005.
	C14	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "AOL's Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4) dated 4/29/2005.
	C15	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "AOL's Second Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4) dated 5/20/2005.
	C16	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "AOL's Third Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4) dated 8/11/2005.
	C17	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "AOL's Fourth Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4) dated 9/20/2005.
	C18	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "AOL's Fifth Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4) dated 9/27/2005.
	C19	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "Declaration of Mr. David W. Jeske" dated 6/6/2005.
	C20	"Netscape adds tools," Responsive Database Services, Inc., Press Release 3/1995 (Aol 1206861 - 1206862)
	C21	"Netscape communications introduces Netscape internet applications family for electronic commerce," PR Newswire Association, Inc. Press Release, 3/1995 (AOL 1206863 - 1206864)

EXAMINER:	DATE CONSIDERED:

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C22	"Full Scale Commerce With Netscape, Business Communications Co., Press Release, 4/1995 (AOL 1206865 - 1206866)
	C23	"Netscape spins Web extensions; adds firewall, Usenet servers, electronic shopping software Netscape Communications Proxy Server, Isore, Merchant System, Publishing System, Community System," Information Access Company, 4/1995 (AOL 1206867 – 1206868)
	C24	"Netscape offers bookmark, chat services on Web," InfoWorld Media Group, 8/1995 (AOL 1206869)
	C25	"Netscape For Windows 95 Announced," Newsweek Business Information, Inc., 8/1995 (AOL 1206870 – 1206873)
	C26	"Netscape introduces Netscape Smartmarks and Netscape Chat; Applications Bring New Navigation and Communications Capabilities to Users of Netscape Navigator for Windows," Netscape Chat Help Contents (AOL 613173 – 613243)
	C27	*Windy City Innovations, LLC v. America Online, Inc.,* Civil Action No. 04 C 4240, "AOL's Second Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated Mat 20, 2005.
	C28	NETSCAPE, "Netscape Power Pack Bookmarks, Chat, and Multimedia Add-Ons". (AOL 613167-613172)
	C29	NETSCAPE, "Netscape Announces Add-On Product Suite for Popular Netscape Navigator Software, Netscape Power Pack Includes Netscape SmartMarks, Netscape Chat and Multimedia Add-On Applications From Adobe, Apple, and Progressive Networks" Press Release, 05/11/2005, pp. 1-3. (AOL 613244-613246)
	C30	PR NEWSWIRE ASSOC., INC. "Netscape Announces Add-On Product Suite For Popular Netscape Navigator Software" Article, 10/25/1999, pp. 1-2. (AOL 613247-613248)
	C31	NETSCAPE, "Netscape Chat Help Contents" Manual. (AOL 613173-613243)
	C32	WIRED CHANNELING "Tips for Foiling the NSA" Article, 01/1996, pg. 174. (AOL 469104-469105)
	C33	FLASH NEWS "Market Support News, Jacksonville Update" Article, 05/19/1995, pp. 1-4, (AOL 469106-469109)

EXAMINER:	DATE CONSIDERED:

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C34	PALFREYMAN, et al., "A Protocol for User Awareness on the World Wide Web", Article, 1996, pp. 130-139. (AOL 469110-469119)
	C35	ROBINETT, "Interactivity and Individual Viewpoint in Shared Virtual Worlds: The Big Screen vs. Networked Personal Displays", Article, Computer Graphics, Vol. 28, No. 2, 05/1994, pp. 127-130. (AOL 074871-074974)
	C36	OHYA, et al., "Real-Time Reproduction of 3D Human Images in Virtual Space Teleconferencing", Article, pp. 408-414. (AOL 074875-074881)
	C37	FUKUDA, et al., "Hypermedia Personal Computer Communication System: Fujitsu Habitat", Fujitsu Sci. Tech. J. 10/1990, Vol. 26, No. 3, pp. 197-206. (AOL 074882-074893)
	C38	CARLSSON, "DIVE – a Multi-User Virtual Reality System", Article, IEEE 1993, pp. 394-400. (AOL 074894-074900)
	C39	BENFORD, et al., "Supporting Cooperative Work in Virtual Environments", The Computer Journal, Vol. 37, No. 8, 1994, pp. 653-668. (AOL 074901-074916)
	C40	FARALLON COMPUTING, INC., "Timbuktu User's Guide, Manual, pp. 1-98. (AOL 074917-075026)
	C41	BERLAGE, et al., "A Framework For Shared Applications With a Replicated Architecture", Article, 11/3-5/1993, pp. 249-257. (AOL 075027-075035)
	C42	SOHLENKAMP, "A Virtual Office Environment Supporting Shared Applications", Article, 02/7-11/1994. (AOL 075036-075044)
	C43	FARALLON COMPUTING, INC., "Timbuktu/Remote User's Guide", Article, pp. 6-8. (AOL 075063-075066)
	C44	GAJEWSKA, et al., "Argo: A System for Distributed Collaboration", Article, pp. 1-12. (AOL 075080-075094)
	C45	HANDLEY, et al., "CCCP: Conference Control Channel Protocol A Scalable Base for Building Conference Control Applications", pp. 1-18. (AOL 075092-075109)
	C46	BAHR, et al., Multimedia Conferencing in a Packet Switched Environment", Article. (AOL 075110-075113)

EXAMINER:	DATE CONSIDERED:

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Exam. Init.	Ref. Des.	Citation
	C47	SASSE, et al., "Multimedia Conferencing over the Internet, The MICE Project", Article, pp. 1-17. (AOL 075114-075130)
	C48	SASSE, et al., "Interacting with Multi-media, Multi-user Systems: Observations on Multi-Media Conferencing Tools", Article. (AOL 075131-075144)
	C49	HANDLEY, et al., "The Conference Control Channel Protocol (CCCP): A Scalable Base for Building Conference Control Applications", Article, 1995, pp. 275-287. (AOL 075145-075157)
	C50	SASSE, et al., "Remote Seminars through Multimedia Conferencing: Experiences from the MICE Project", Article, Proc. INET '94/JENC5, pp. 1-8. (AOL 075158-075165)
	C51	HANDLEY, et al., "Multimedia Integrated Conferencing for European Researchers (MICE): Piloting Activities and the Conference Management and Multiplexing Centre", Article, pp. 1-14. (AOL 075183-075196)
	C52	KIRSTEIN, et al., "Piloting of Multimedia Integrated Communications for European Researchers (MICE)", Article, Proc. INET '93, pp. 1-12. (AOL 075197-075208)
	C53	KIRSTEIN, et al., "Recent Activities in the MICE Conferencing Project", Article, Proc. INET '95. (AOL 075209-075218)
	C54	TURLETTI, "The INRIA Videoconferencing System", Article, pp. 1-7. (AOL 075219-075225)
	C55	BAHR, et al., "Incorporating Security Functions in Multimedia Conferencing Applications in the Context of the MICE Project", Article. (AOL 075226-075233)
	C56	BILTING, et al., "International Research Seminars through Multimedia Conferencing: Experiences from the MICE Project", Article. (AOL 075234-075237)
	C57	SASSE, et al., "Multimedia Conferencing Over The Internet: The MICE Project and Tools", Article, pp. 1-11. (AOL 075238-075248)
	C58	SASSE, et al., "Remote Seminars through Multimedia Conferencing: Experiences form the MICE Project", Article, Proc. INET '94/JENC5. (AOL 075249-075260)
	C59	CLAYMAN, et al., "The Interworking of Internet and ISDN Networks for Multimedia Conferencing", Article, pp. 1-28. (AOL 075261-075288)

EXAMINER:	DATE CONSIDERED:

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C60	BYTE, "Network and Windows 95 Take Top BYTE Awards", Article, July 1995. (AOL 055731-055732)
	C61	COMPUSERVE, "CompuServe Producer User Guide", Article, 04/19/1995, pp. 1-36. (AOL 055743-055779)
	C62	REESE, et al., "Online with Stat Kesmai Air Warrior", Article. (AOL 055780-055781)
	C63	MAWBY, "Designing Collaborative Writing Tools", Article, 1991, pp. 1-191. (AOL 074678-074870)
	C64	DONATH, "the Illustrated Conversation", Article, 1995, pp. 79-88. (AOL 052115-052124)
	C65	DONATH, "Sociable Information Spaces", Article, 06/20-22/1995, pp. 269-273. (AOL 052127-052131)
	C66	MASINTER, "Collaborative Information Retrieval: Gonner from MOO", Article, Proc. INET '93 (AOL 052153-052161)
	C67	ROSEMAN, et al., "TeamRooms: Groupware for Shared Electronic Spaces", Article. (AOL 052162-052163)
	C68	ROSEMAN, "Managing Complexity in TeamRooms, a Tci-Based Internet Groupware Application", Article. (AOL 052164-052171)
	C69	ROSEMAN, et al., "TeamRooms: Network Places for Collaboration", Article. (AOL 052172-052180)
	C70	CURTIS, "Mudding Social Phenomena in Text-Based Virtual Realities, Article, 03/03/1992, pp. 1-21. (AOL 052181-052201)
	C71	NICHOLS, et al., "High-Latency, Low-Bandwidth Windowing in the Jupiter Collaboration System", Article, UIST '95, 11/14-17/1995, pp. 111-120. (AOL 052202-052211)
	C72	CURTIS, et al., "The Jupiter Audio/Video Architecture: Secure Multimedia in Network Places", Article, 1995, pp. 1-12. (AOL 052212-052223)
	C73	CRAMPTON, "MUSK – a Multi-User Sketch Program", Article, pp. 17-29. (AOL 052224-052236)

EXAMINER:	DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C74	BONFIGLIO, et al., "Conference Toolkit: A Framework for Real-Time Conferencing", Article, pp. 303-316. (AOL 052237-052250)
	C75	LEE, "Xsketch: A Multi-User Sketching Tool For X11", Article, 1990, pp. 169-173. (AOL 052251-052255)
	C76	AHUJA, et al., "Supporting Multi-Phase Groupware Over Long Distances", Article", 1989 IEEE, pp. 1227-1231. (AOL 052256-052260)
	C77	AHUJA, et al., "A Comparison of Application Sharing Mechanisms in Real-Time DeskTop Conferencing Systems", Article, pp. 238-248. (AOL 052272-052283)
	C78	PATTERSON, et al., "Rendezvous: An Architecture for Synchronous Multi-User Applications", Article, 10/1990, pp. 317-328. (AOL 052272-052283)
	C79	PATTERSON, "Comparing the Programming Demands of Single-User and Multi-User Applications", Article, UIST'91, 11/11-13/1991, pp. 87-94. (AOL 052284-052291)
	C80	LU, et al., "Idea Management in a Shared Drawing Tool", Article, ECSCW 1991, pp. 97-112. (AOL 052292-052307)
	C81	LU, "Supporting Idea Management in a Shared Drawing Tool", Article, 1992, pp. 29-113. (AOL 052308-052364)
	C82	WEXELBLAT, "Building Collaborative Interfaces", Article, 05/1991, pp. 1-40. (AOL 052385-052405)
	C83	WATABE, et al., "Distributed Desktop Conferencing System with Multiuser Multimedia Interface", Article, 1991 IEEE, pp. 531-539. (AOL 052406-052414)
	C84	WATABE, et al., "Distributed Multiparty Desktop Conferencing System: MERMAID", Article, 10/1990, pp. 27-38. (AOL 052415-052426)
	C85	HORN, et al., "An ISDN Multimedia Conference Bridge", Article, 1990 IEEE, pp. 853-856. (AOL 052427-052430)
	C86	AHUJA, et al., "Coordination and Control of Multimedia Conferencing", Communications Magazine, IEEE, 05/1992, Vol. 30, Iss. 5, pp. 38-43. (AOL 052431-052436)

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C87	ENSOR, et al., "The Rapport Multimedia Conferencing System-A Software Overview", Article, Proc. 2nd IEEE, 03/1998, pp. 52-58. (AOL 052437-052443)
	C88	GREENBERG, "Personalizable Groupware: Accomodating Individual Roles and Group Differences", Article, ECSCW 1991, pp. 17-32. (AOL 052444-052459)
	C89	GREENBERG, "Sharing Views and Interactions With Single-User Applications", Article, 04/1990, pp. 227-237. (AOL 052460-052470)
	C90	SARIN, et al., "Software for Interactive On-Line Conferences", Article, 1984, pp. 46-58. (AOL 052471-052484)
	C91	BLY, et al., "Media Spaces: Bringing People Together in a Video, Audio, and Computing Environment", Article, 01/1993, Vol. 36, No. 1, pp. 28-47. (AOL 052486-052505)
	C92	NCSA, "The Second International WWW Conference '94 Mosaic and the Web", 07/14/1994. (AOL 052506-052509)
	C93	FRIVOLD, et al., "Extending WWW for Synchronous Collaboration", Article. (AOL 052510-052518)
	C94	"Channel List for Meeting DSTC YamDemo", Article. (AOL 052523-052530)
	C95	DONATH, et al., "The Social Web", Article. (AOL 052531-052534)
	C96	GOLDBERG, et al., "Beyond the Web: Excavating the Real World Via Mosiac", Article. (AOL 052535-0525546)
	C97	WEYMOUTH, et al., "The Upper Atmospheric Research Collaboratory: UARC", Article. (AOL 052547-052552)
	C98	SCHARF, et al., "Using Mosaic for Remote Test System Control Supports Distributed Engineering", Article. (AOL 052553-052561)
	C99	FREGA, et al., "A Multimedia Bulletin Board in WWW Environment", Article. (AOL 052567-052574)
	C100	HORN, et al., "An ISDN Multimedia Conference Bridge", Article, IEEE Region 10, 09/1990, pp. 853-856. (AOL 052575-052578)

EXAMINER:	DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/399,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	**Applicant:** Daniel L. Marks	
(Use several sheets if necessary)	**Filing Date:** September 20, 1999	**Group:** 2765

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Pages 1 and 2	*See Page 2*	*See Pages 3 through 12*

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C101	TANG, et al., "Montage: Providing Teleproximity for Distributed Groups", Article, 04/24-28/1994, pp. 37-43. (AOL 052579-052585)
	C102	PEARL, "System Support for Integrated Desktop Video Conferencing", Article, 12/1992, pp. 1-14. (AOL 052586-0522600)
	C103	CHANG, et al., "Group Coordination in Participant Systems", Article, 05/1990, pp. 589-599. (AOL 052601-052611)
	C104	ENSOR, et al., "User Interfaces For Multiparty Communications", Article, 1993 IEEE, pp. 1165-1171. (AOL 052612-052618)
	C105	TANG, et al., "Supporting Distributed Groups with a Montage of Lightweight Interactions", Article, 1994, pp. 23-34. (AOL 052619-052630)
	C106	BRINCK, et al., "A Collaborative Medium for the Support of Conversational Props", Article, 11/1992, pp. 171-178. (AOL 052636-052643)
	C107	GRAHAM, et al., "Relational Views as a Model for Automatic Distributed Implementation of Multi-User Applications", Article, 11/1992, pp. 59-66. (AOL 052644-052651)
	C108	REIN, et al., "rlBIS: A Real-Time Group Hypertext System", Article, 1991, pp. 349-367. (AOL 052652-052670)
	C109	GIBBS, "LIZA: An Extensible Groupware Toolkit", Article, 1989, pp. 29-35. (AOL 052671-052677)
	C110	CLARK, "Multipoint Multimedia Conferencing", Article, 05/1992 IEEE, pp. 44-50. (AOL 052678-052684)
	C111	WOLF, et al., "We-Met (Window Environment-Meeting Enhancement Tools)", Article, pp. 441-442. (AOL 052695-052696)
	C112	HILL, et al., "The Rendezvous Language and Architecture", Article, 01/1993, Vol. 36, No. 1, pp. 81-125. (AOL 052697-052702)
	C113	HILL, et al., "The Rendezvous Architecture and Language for Constructing Multiuser Applications", ACM Transactions on Computer-Human Interaction, 06/1994, Vol. 1, No. 2, pp. 81-125. (AOL 052703-052747)

EXAMINER:	DATE CONSIDERED:

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Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/399,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	**Applicant:** Daniel L. Marks	
(Use several sheets if necessary)	**Filing Date:** September 20, 1999	**Group:** 2765

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Pages 1 and 2	*See Page 2*	*See Pages 3 through 12*

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C114	WOO, et al., "A Synchronous Collaboration Tool for World-Wide Web," Distributed Systems Technology Centre, The University of Queensland, Queensland 4072 (AOL 052519-052530)
	C115	BUXTON, et al., "Europarc's Integrated Interactive Intermedia Facility (IIIF): Early Experiences". In S. Gibbs & A.A. Verrijn-Stuart (Eds.). *Multiuser interfaces and applications, Proceedings of the IFIP WG 8.4 Conference on Multi-user Interfaces and Applications,* Heraklion, Cret. Amsterdam: Elsevier Science Publishers B.V. (North-Holland), 11-34. (AOL 052756-052764)
	C116	SOHLENKAMP, et al., "Integrating Communication, Cooperation, and Awareness: The DIVA Virtual Office Environment," Article, pp. 331-343. (AOL 052765-052777)
	C117	KRISHNAMURTHY, et al., "Yeast: A General Purpose Event-Action System," IEEE Transactions on Software Engineering, Vol. 21, No. 19, October 1995. (AOL 052778-052790)
	C118	LOVESTRAND, et al., "Being Selectively Aware with the Khronika System," Proceedings of the Second European Conference on Computer-Supported Cooperative Work, September 25-57, 1991, Amsterdam, The Netherlands, pp. 265-277. (AOL 052791-052803)
	C119	DOURISH, et al., "Portholes: Supporting Awareness in a Distributed Work Group," Chi '92, May 3-7, 1992, pp. 541-547. (AOL 052804-052810)
	C120	GAVER, et al., "Realizing a Video Environment: Europarc's Rave System," Chi '92, May 3-7, 1992, pp. 27-35. (AOL 052811-052819)
	C121	BORNING, et al., "Two Approaches to Casual Interaction Over Computer and Video Networks," pp. 13-19. (AOL 052820-052826)

EXAMINER:	DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

PTO/SB/06 (07-06)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 09/399,578	Filing Date 09/20/1999	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	07/08/2008	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 901	Minus	** 995	= 0	X $ =		OR	X $50=	0
	Independent (37 CFR 1.16(h))	* 52	Minus	***52	= 0	X $ =		OR	X $210=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/CRYSTAL QUEEN/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 01/09/2008

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER	
WINDER, PATRICE L	
ART UNIT	**PAPER NUMBER**
2145	

MAIL DATE	DELIVERY MODE
01/09/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice Winder	2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11 October 2007*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *See Continuation Sheet* is/are pending in the application.

4a) Of the above claim(s) *See Continuation Sheet* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *See Continuation Sheet* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *8-15-2007*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Continuation of Disposition of Claims: Claims pending in the application are 1-291,299,309-366,376-502,504-519,521-536,538-553,555-570,572-590 and 592-995.
Continuation of Disposition of Claims: Claims withdrawn from consideration are 169,409,599,632-725,755-817,862-875,879,893-896,901-903,910,917,918,949-952 and 977.

Continuation of Disposition of Claims: Claims rejected are 1-168,170-291,299,309-366,376-408,410-502,504-519,521-536,538-553,556-570,572-590,592-598,600-631,726-754,818-861,876-878,890-892,897-900,904-909,911-916,919,948,953-976 and 978-995.

Petitioner Microsoft Corporation, Ex. 1002, p. 2690

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on October 11, 2007 has been entered.

Information Disclosure Statement

2. The information disclosure statement filed August 15, 2007 fails to comply with 37 CFR 1.98(a)(1), which requires the following: (1) a list of all patents, publications, applications, or other information submitted for consideration by the Office; (2) U.S. patents and U.S. patent application publications listed in a section separately from citations of other documents; (3) the application number of the application in which the information disclosure statement is being submitted on each page of the list; (4) a column that provides a blank space next to each document to be considered, for the examiner's initials; and (5) a heading that clearly indicates that the list is an information disclosure statement. The information disclosure statement has been placed in the application file, but the information referred to therein has not been considered. (The copy submitted is not legible).

Response to Claim Charts

3. The examiner thanks Applicant for the claim tree mapping the claim organization. Applicant's time and effort are greatly appreciated.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. The factual inquiries set forth in *Graham* **v.** *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

6. Claims 1-168,170-291,299,309-366,376-408,410-502,504-519,521-536,538-553,556-570,572-590,592-598,600-631,726-754,818-861,876-878,890-892,897-900,904-909,911-916,919,948,953-976 and 978-995 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brown et al., USPN 5,941,947 (hereafter referred to as Brown) in view of Tang et al., USPN 5,793,365 (hereafter referred to as Tang).

[claim 1] Brown taught a method of communicating via an Internet network (abstract), the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected to a respective input device and to respective output device (microcomputer 102, column 8, lines 47-53);

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and receiving communications in real time (chat rooms, column 9, lines 45-50; column 10, lines 36-45; column 13, lines 9-14; column 16, lines 2-4);

determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a content object (column 16, lines 55-66); and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications that are not censored based on the individual user identity (column 13, lines 52-54), when the receiving is in real-time and via the Internet, and not presenting the data that is censored to the corresponding output device (column 15, lines 27-37). Brown does not specifically teach the content object is a pointer, video, audio, a graphic, or multimedia. However, Tang taught the content object is a pointer, video, audio, a graphic, or multimedia (column 9, lines 38-44, 51-55). It would have been obvious to one of ordinary skill in the art at the time the invention was made that incorporating Tang's multimedia content in Brown's chat service would have improved the chat room experience. The motivation would have been to improve the chat room experience by allowing the participants to share files.

[claims 2-17] Brown taught determining whether at least one of the first user identity and the second user identity, individually, is censored from data (column 16, lines 2-4, 55-59). Tang taught representing [a pointer, video, audio, a graphic, multimedia]. (column 9, lines 38-55)

[claims 18-34] Brown taught at least some of the communications include at least one of text or ascii (column 9, lines 52-54).

[claims 35-51] Brown taught determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications data representing a content object (column 15, lines 44-54) and sending the data that is not censored from sending (column 15, lines 5-15). Tang taught the content object is at least one of a pointer, video, audio, a graphic, or multimedia (column 9, lines 38-55).

[claims 52-68] Brown taught determining whether at least one of the communications is censored based on content (column 16, lines 40-45).

[claims 69-74] Brown taught determining a user age corresponding to each of the user identities (user age < 18, column 19, lines 9-21).

[claims 75-85] Brown taught the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities (column 16, lines 40-45, 55-66).

[claim 86-102] Brown taught the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored (column 20, lines 8-27).

[claim 103-119] Brown taught determining a user age corresponding to each of the user identities (user age < 18, column 19, lines 9-21).

[claim 120-137,149-155, 161-163, 166-169] Brown taught the pointer is a pointer that produces a pointer-triggered message on demand (column 10, lines 36-38; column 13, lines 52-54).

[claim 138-148,156-160,164] Brown taught the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand (column 10, lines 36-38; column 13, lines 52-54).

[claim 170] Brown taught a method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system (column 8, lines 47-53);

sending, from each of the plurality of computers, a respective login name corresponding to respective user identities and a second identities are able to form a group for sending and for receiving communications in real time (chat rooms, column 10, lines 36-45; column 13, lines 9-14; column 16, lines 2-4);

determining whether at least one of the first user identity and the second user identity,, individually, is censored from sending data in the communications, the data representing a content object (column 16, lines 55-66); and

if the first ad second user identities are able to form the group, then forming the group, sending the communications that are not censored based on the individual user identity (column 13, lines 52-54), and receiving the communications, wherein the receiving is in real-time and via the Internet network (column 15, lines 27-37). However, Tang taught the content object is at least one of a pointer, video, audio, a graphic or multimedia (column 9, lines 38-44, 51-55). For motivation see claim 1, above. Brown does not specifically teach the logon procedure includes a password. However, "official notice" is taken that passwords are well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made that incorporating a password in Brown's logon procedure would have been

[claim 171-184] Brown taught the pointer is a pointer that produces a pointer-triggered message on demand (column 10, lines 36-38; column 13, lines 52-54).

[claim 185] Tang taught receiving the communications includes causing presentation of some of the communications by one of the plurality of computer in the group (column 9, lines 30-36).

[claim 186] Brown taught when the communications are censored, not receiving the communications that are censored based on the individual user identity (column 15, lines 44-55), and not presenting the data that is censored to the corresponding output device (column 15, lines 5-15).

[claim 187,309] Brown taught the computer system is comprised of an Internet service provider computer system (column 7, lines 18-37).

[claim 188,310] Brown taught storing, for the first user identity, an authorization associated with presentation of graphical multimedia (column 16, lines 55-62); and based on the authorization, presenting the graphical multimedia at the output device corresponding to the second user identity (column 16, lines 63-67).

[claim 189,311] Tang taught providing the first user identity with access to a member-associated image corresponding to the second user identity (column 5, lines 18-23).

[claim 190,312] Brown taught determining whether the first user identity is censored from access to a chat room; if the first user identity is censored, not allowing access to the chat room; and if the first user identity is not censored, allowing access to the chat room (column 27 , lines 49-58). Tang taught associating a chat room with a member-associated image corresponding to the second user identity (column 5, lines 18-23).

[claim 191-206] determining whether at least one of the first identity and the second user identity, individually, is censored from sending a content object (column 15, lines 5-15, 44-54). Tang taught the content object is at least one of a pointer, video, audio, a graphic, or multimedia (column 9, lines 38-55).

[claims 207-223] Brown taught at least some of the communications include at least one of text or ascii (column 9, lines 52-54).

[claims 224-240] Brown taught determining whether at least one of the communications is censored based on content (column 16, lines 40-45).

[claim 241-257] Brown taught the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored (column 20, lines 8-27).

[claim 258-274] Brown taught determining a user age corresponding to each of the user identities (user age < 18, column 19, lines 32-41).

[claim 276-291] Brown taught at least one of the communications includes data representing a human communication of sound (voice capability is added, column 9, lines 54-55).

[claim 313-366, 376-379] Brown taught the pointer is a pointer that produces a pointer-triggered message on demand (column 10, lines 36-38; column 13, lines 52-54).

[claim 380-396] Tang taught data representing at least one of a pointer, video, audio, a graphic, or multimedia (column 9, lines 38-55).

[claim 397-408,410-413] Brown taught determining whether at least one of the communications is censored based on content (column 16, lines 40-45).

[claims 414-430] determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications data representing at least one of a pointer, video, audio, a graphic, or multimedia; and sending the data that is not censored from sending.

[claims 431-434] Brown taught at least some of the communications include at least one of text or ascii (column 9, lines 52-54).

7. Claims 435- 502,504-519,521-536,538-553,556-570,572-590,592-598,600-631,726-754,818-861,876-878,890-892,897-900,904-909,911-916,919,948,953-976 and 978-995 are rejected on the same rationales as 1-168,170-291,299,309-366,376-408,410-434, above.

Response to Arguments

8. Applicant's arguments with respect to claims 1-168,170-291,299,309-366,376-408,410-502,504-519,521-536,538-553,556-570,572-590,592-598,600-631,726-754,818-861,876-878,890-892,897-900,904-909,911-916,919,948,953-976 and 978-995 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrice Winder whose telephone number is 571-272-3935. The examiner can normally be reached on Monday-Friday, 10:30 am-7:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571-272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Patrice L. Winder

Patrice Winder
Primary Examiner
Art Unit 2145

January 7, 2008

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete If Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	A2					

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A3	"Internet hasn't focused on good photography as much as it could" Article, The Dallas Morning News, 9/1995 (AOL-B 0001478)
	A4	"Group dynamics add fun to guided online tours" Article, USA Today, 10/1995 (AOL-B 0001479)
	A5	"People with addictions band together for support on line", Article, 6/1995(AOL-B 0001480)
	A6	"Netscape Communications Introduces Netscape Internet Applications Family For Electronic Commerce" Netscape Company Press Relations, 3/1995 (AOL-B 0005712-0005713)
	A7	"Netscape Navigator™ Personal Edition" Software (AOL-B 0000446-0000451)
	A8	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Expert Report of Bruce M. Maggs" dated 8/5/2005
	A9	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Supplemental Rebuttal Expert of Bruce M. Maggs Regarding Invalidity of U.S. Patent 5,956,491" dated 9/26/2005.
	A10	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, Rebuttal Expert Report of Bruce M. Maggs Regarding Invalidity of U.S. Patent 5,956,491" dated 8/28/2005.
	A11	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 4/29/2005
	A12	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Second Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 5/20/2005

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Petitioner Microsoft Corporation, Ex. 1002, p. 2701

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Sheet	2	Of	2

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Application Number	09/399,578
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First Named Inventor	
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

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	A13	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Third Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 8/11/2005
	A14	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Fourth Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 9/26/2005
	A15	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Fifth Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated 9/27/2005
	A16	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Declaration of Mr. David W. Jeske" dated 6/6/2005
	A17	"Netscape adds tools," Responsive Database Services, Inc., Press Release 3/1995 (AOL 1206861 – 1206862)
	A18	"Netscape communications introduces Netscape internet applications family for electronic commerce," PR Newswire Association, Inc., Press Release, 3/1995 (AOL 1206863 – 1206864)
	A19	"Full Scale Commerce With Netscape," Business Communications Co., Press Release, 4/1995 (AOL 1206865 – 1206866)
	A20	"NetScape spins Web extensions: adds firewall, Usenet servers, electronic shopping software NetScape Communications Proxy Server, Isoft, Merchant System, Publishing System, Community System," Information Access Company, 4/1995 (AOL 1206867 – 1206868)
	A21	"Netscape offers bookmark, chat services on Web," InfoWorld Media Group, 8/1995 (AOL 1206869)
	A22	"Netscape For Windows 95 Announced," Newsweek Business Information, Inc., 8/1995 (AOL 1206870- 1206873)
	A23	"Netscape introduces Netscape Smartmarks ™ and Netscape Chat ™; Applications Bring New Navigation and Communications Capabilities to Users of Netscape Navigator for Windows," Netscape Chat Help Contents (AOL 613173 – 613243)

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Sheet 1 of 8

Complete If Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	Marks, Daniel L.
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	5,613,056	03/18/1997	Gasper, et al.	
	A2	5,617,539	04/01/1997	Ludwig, et al.	
	A3	5,627,978	05/06/1997	Altom, et al.	
	A4	5,682,469	10/28/1997	Linnett, et al.	
	A5	5,713,019	01/27/1998	Keaten	
	A6	5,721,763	02/24/1998	Joseph, et al.	
	A7	5,729,684	05/17/1998	Kuzma	
	A8	5,754,775	05/19/1998	Adamson, et al.	
	A9	5,784,568	07/21/1998	Needham	
	A10	5,794,006	08/11/1998	Sanderman	
	A11	5,794,210	08/11/1998	Goldhaber, et al.	
	A12	5,801,700	09/01/1998	Ferguson	
	A13	5,802,281	09/01/1998	Clapp, et al.	
	A14	5,822,523	10/13/1998	Rothschild, et al.	
	A15	5,850,442	12/15/1998	Muftic	
	A16	5,880,731	03/09/1999	Liles, et al.	
	A17	5,889,843	03/30/1999	Singer, et al.	
	A18	5,924,082	07/13/1999	Silverman, et al.	
	A19	5,933,599	08/03/1999	Nolan	
	A20	5,941,947	08/24/1999	Brown, et al.	
	A21	5,974,409	10/26/1999	Sanu, et al.	
	A22	5,987,401	11/16/1999	Trudeau	
	A23	6,692,359	02/17/2004	Williams, et al.	
	A24	4,710,917	12/01/1987	Tompkins, et al.	
	A25	4,953,159	08/28/1990	Hayden, et al.	
	A26	5,195,086	03/16/1993	Baumgartner, et al.	
	A27	5,257,306	10/26/1993	Watanabe	
	A28	5,347,306	09/13/1994	Nitta	
	A29	5,465,370	11/07/1995	Ito, et al.	
	A30	5,471,318	11/28/1995	Ahuja, et al.	
	A31	5,491,743	02/13/1996	Shilo, et. al.	
	A32	5,572,248	11/05/1996	Allen, et al.	
	A33	5,572,643	11/05/1996	Judson	

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Sheet	2	Of	8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

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	A34	5,592,478	01/07/1997	Weiss	
	A35	5,440,624	08/08/1995	Schoof, II	
	A36	5,774,668	06/30/1998	Choquier, et al.	
	A37	5,799,151	08/25/1998	Hoffer	
	A38	5,812,552	09/22/1998	Arora, et al.	
	A39	5,826,085	10/20/1998	Bennett, et al.	
	A40	5,933,599	08/03/1999	Nolan	
	A41	5,956,509	09/21/1999	Kevner	

FOREIGN PATENT DOCUMENTS

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	A42	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Complaint" filed 6/24/2004.
	A43	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Notice of Claim Involving a Patent" filed 6/24/2004.
	A44	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "First Amended Answer to the Complaint, and Counterclaim of Defendant America Online, Inc." filed 9/14/2004.
	A45	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Plaintiff's Reply to the First Amended Counterclaim of Defendant America Online, Inc." filed 9/28/2004.
	A46	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated April 29, 2005.

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First Named Inventor	2155
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Examiner Name	Winder, Patrice L.
Attorney Docket Number	

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	A47	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Second Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated May 20, 2005.
	A48	NETSCAPE, "Netscape Power Pack Bookmarks, Chat, and Multimedia Add-Ons". (AOL 613167-613172)
	A49	NETSCAPE, "Netscape Announces Add-On Product Suite for Popular Netscape Navigator Software, Netscape Power Pack Includes Netscape SmartMarks, Netscape Chat and Multimedia Add-On Applications From Adobe, Apple, and Progressive Networks" Press Release, 05/11/2005, pp. 1-3. (AOL 613244-613246)
	A50	PR NEWSWIRE ASSOC., INC. "Netscape Announces Add-On Product Suite For Popular Netscape Navigator™ Software" Article, 10/25/1999, pp. 1-2. (AOL 613247-613248)
	A51	NETSCAPE, "Netscape Chat Help Contents" Manual. (AOL 613173-613243)
	A52	WIRED CHANNELING "Tips for Foiling the NSA" Article, 01/1996, pg. 174. (AOL 469104-469105)
	A53	FLASH NEWS "Market Support News, Jacksonville Update" Article, 05/19/1995, pp. 1-4, (AOL 469106-469109)
	A54	PALFREYMAN, et al., "A Protocol for User Awareness on the World Wide Web", Article, 1996, pp. 130-139. (AOL 469110-469119)
	A55	ROBINETT, "Interactivity and Individual Viewpoint in Shared Virtual Worlds: The Big Screen vs. Networked Personal Displays", Article, Computer Graphics, Vol. 28, No. 2, 05/1994, pp. 127-130. (AOL 074871-074874)
	A56	OHYA, et al., "Real-Time Reproduction of 3D Human Images in Virtual Space Teleconferencing", Article, pp. 408-414. (AOL 074875-074881)
	A57	FUKUDA, et al., "Hypermedia Personal Computer Communication System : Fujitsu Habitat", Fujitsu Sci. Tech. J., 10/1990, Vol. 26, No. 3, pp. 197-206. (AOL 074882-074893)
	A58	CARLSSON, "DIVE -- a Multi-User Virtual Reality System", Article, IEEE 1993, pp. 394-400. (AOL 074894-074900)
	A59	BENFORD, et al., "Supporting Cooperative Work in Virtual Environments", The Computer Journal, Vol. 37, No. 8, 1994, pp. 653-668. (AOL 074901-074916)
	A60	FARALLON COMPUTING, INC., "Timbuktu™ User's Guide, Manual, pp. 1-98. (AOL 074917-075026)
	A61	BERLAGE, et al., "A Framework For Shared Applications With a Replicated Architecture", Article, 11/3-5/1993, pp. 249-257. (AOL 075027-075035)
	A62	SOHLENKAMP, "A Virtual Office Environment Supporting Shared Applications", Article, 02/7-11/1994. (AOL 075036-075044)

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	A63	FARALLON COMPUTING, INC., "Timbuktu/Remote™ User's Guide", Article, pp. 6-8. (AOL 075063- 075066)
	A64	GAJEWSKA, et al., "Argo: A System for Distributed Collaboration", Article, pp. 1-12. (AOL 075080-075091)
	A65	HANDLEY, et al., "CCCP: Conference Control Channel Protocol A Scalable Base for Building Conference Control Applications", pp. 1-18. (AOL 075092-075109)
	A66	BAHR, et al., "Multimedia Conferencing in a Packet Switched Environment", Article. (AOL 075110-075113)
	A67	SASSE, et al., "Multimedia Conferencing over the Internet, The MICE Project", Article, pp. 1-17. (AOL 075114-075130)
	A68	SASSE, et al., "Interacting with Multi-media, Multi-user Systems: Observations on Multi-Media Conferencing Tools", Article. (AOL 075131-075144)
	A69	HANDLEY, et al., "The Conference Control Channel Protocol (CCCP): A Scalable Base for Building Conference Control Applications", Article, 1995, pp. 275-287. (AOL 075145-075157)
	A70	SASSE, et al., "Remote Seminars through Multimedia Conferencing: Experiences from the MICE Project", Article, Proc. INET '94/JENC5, pp. 1-8. (AOL 075158-075165)
	A71	HANDLEY, et al., "Multimedia Integrated Conferencing for European Researchers (MICE): Piloting Activities and the Conference Management and Multiplexing Centre", Article, pp. 1-14. (AOL 075183-075196)
	A72	KIRSTEIN, et al., "Piloting of Multimedia Integrated Communications for European Researchers (MICE)", Article, Proc. INET '93, pp. 1-12. (AOL 075197-075208)
	A73	KIRSTEIN, et al., "Recent Activities in the MICE Conferencing Project", Article, Proc. INET '95. (AOL 075209-075218)
	A74	TURLETTI, "The INRIA Videoconferencing System", Article, pp. 1-7. (AOL 075219-075225)
	A75	BAHR, et al., "Incorporating Security Functions in Multimedia Conferencing Applications in the Context of the MICE Project", Article. (AOL 075226-075233)
	A76	BILTING, et al., "International Research Seminars through Multimedia conferencing: Experiences from the MICE Project", Article. (AOL 075234-075237)
	A77	SASSE, et al., "Multimedia Conferencing Over The Internet: The MICE Project and Tools", Article, pp. 1-11. (AOL 075238-075248)
	A78	SASSE, et al., "Remote Seminars through Multimedia Conferencing: Experiences from the MICE Project", Article, Proc. INET '94/JENC5. (AOL 075249-075260)
	A79	CLAYMAN, et al., "The Interworking of Internet and ISDN Networks for Multimedia Conferencing", Article, pp. 1-28. (AOL 075261-075288)
	A80	BYTE, "Network and Windows 95 Take Top BYTE Awards", Article, July 1995. (AOL 055731-055732)

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Sheet	5	Of	8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A81	COMPUSERVE, "CompuServe Producer User Guide", Article, 04/19/1995, pp. 1-36. (AOL 055743-055779)
	A82	REESE, et al., "Online with Start Kesmai Air Warrior", Article. (AOL 055780-055781)
	A83	MAWBY, "Designing Collaborative Writing Tools", Article, 1991, pp. 1-191. (AOL 074678-074870)
	A84	DONATH, "The Illustrated Conversation", Article, 1995, pp. 79-88. (AOL 052115-052124)
	A85	DONATH, "Sociable Information Spaces", Article, 06/20-24/1995, pp. 269-273. (AOL 052127-052131)
	A86	MASINTER, "Collaborative Information Retrieval: Gopher from MOO", Article, Proc. INET '93. (AOL 052153-052161)
	A87	ROSEMAN, et. al., "TeamRooms: Groupware for Shared Electronic Spaces", Article. (AOL 052162-052163)
	A88	ROSEMAN, "Managing Complexity in TeamRooms, a Tcl-Based Internet Groupware Application", Article. (AOL 052164-052171)
	A89	ROSEMAN, et. al., "TeamRooms: Network Places for Collaboration", Article. (AOL 052172-052180)
	A90	CURTIS, "Mudding: Social Phenomena in Text-Based Virtual Realities", Article, 03/03/1992, pp. 1-21. (AOL 052181-052201)
	A91	NICHOLS, et. al., "High-Latency, Low-Bandwidth Windowing in the Jupiter Collaboration System", Article, UIST '95, 11/14-17/1995, pp. 111-120. (AOL 052202-052211)
	A92	CURTIS, et. al., "The Jupiter Audio/Video Architecture: Secure Multimedia in Network Places", Article, 1995, pp. 1-12. (AOL 052212-052223)
	A93	CRAMPTON, "MUSK – a Multi-User Sketch Program", Article, pp. 17-29. (AOL 052224-052236)
	A94	BONFIGLIO, et al., "Conference Toolkit: A Framework for Real-Time Conferencing", Article, pp. 303-316. (AOL 052237-052250)
	A95	LEE, "Xsketch: A Multi-User Sketching Tool For X11", Article, 1990, pp. 169-173. (AOL 052251-052255)
	A96	AHUJA, et al., "Supporting Multi-Phase Groupware Over Long Distances", Article, 1989 IEEE, pp. 1227-1231. (AOL 052256-052260)
	A97	AHUJA, et al., "A Comparison of Application Sharing Mechanisms in Real-Time DeskTop Conferencing Systems", Article, pp. 238-248. (AOL 052261-052271)
	A98	PATTERSON, et al., "Rendezvous: An Architecture for Synchronous Multi-User Applications", Article, 10/1990, pp. 317-328. (AOL 052272-052283)
	A99	PATTERSON, "Comparing the Programming Demands of Single-User and Multi-User Applications", Article, UIST'91, 11/11-13/1991, pp. 87-94. (AOL 052284-052291)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	6	Of	8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A100	LU, et al. "Idea Management In a Shared Drawing Tool", Article, ECSCW 1991, pp. 97-112. (AOL 052292-052307)
	A101	LU, "Supporting Idea Management in a Shared Drawing Tool", Article, 1992, pp. 29-113. (AOL 052308-052364)
	A102	WEXELBLAT, "Building Collaborative Interfaces", Article, 05/1991, pp. 1-40. (AOL 052365-052405)
	A103	WATABE, et al., "Distributed Desktop Conferencing System with Multiuser Multimedia Interface", Article, 1991 IEEE, pp. 531-539. (AOL 052406-052414)
	A104	WATABE, et al., "Distributed Multiparty Desktop Conferencing System: MERMAID", Article, 10/1990, pp. 27-38. (AOL 052415-052426)
	A105	HORN, et al., "An ISDN Multimedia Conference Bridge", Article, 1990 IEEE, pp. 853-856. (AOL 052427-052430)
	A106	AHUJA, et al., "Coordination and Control of Multimedia Conferencing", Communications Magazine, IEEE, 05/1992, Vol. 30, Iss. 5, pp. 38-43. (AOL 052431-052436)
	A107	ENSOR, et al., "The Rapport Multimedia Conferencing System-A Software Overview", Article, Proc. 2nd IEEE, 03/1998, pp. 52-58. (AOL 052437-052443)
	A108	GREENBERG, "Personalizable Groupware: Accomodating Individual Roles and Group Differences", Article, ECSCW 1991, pp. 17-32. (AOL 052444-052459)
	A109	GREENBERG, "Sharing Views and Interactions With Single-User Applications", Article, 04/1990, pp. 227-237. (AOL 052460-052470)
	A110	SARIN, et al., "Software for Interactive On-Line Conferences", Article, 1984, pp. 46-58. (AOL 052471-052484)
	A111	BLY, et al., "Media Spaces: Bringing People Together in a Video, Audio, and Computing Environment", Article, 01/1993, Vol. 36, No. 1, pp. 28-47. (AOL 052486-052505)
	A112	NCSA, "The Second International WWW Conference '94 Mosaic and the Web", 07/14/1994. (AOL 052506-052509)
	A113	FRIVOLD, et al., "Extending WWW for Synchronous Collaboration", Article. (AOL 052510-052518)
	A114	"Channel List for Meeting DSTC YarnDemo", Article. (AOL 052523-052530)
	A115	DONATH, et al., "The Social Web", Article. (AOL 052531-052534)
	A116	GOLDBERG, et al. "Beyond the Web: Excavating the Real World Via Mosaic", Article. (AOL 052535-052546)
	A117	WEYMOUTH, et al., "The Upper Atmospheric Research Collaboratory: UARC", Article. (AOL 052547-052552)
	A118	SCHARF, et al., "Using Mosaic for Remote Test System Control Supports Distributed Engineering", Article. (AOL 052553-052561)

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Sheet	7	Of	8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A119	FREGA, et al., "A Multimedia Bulletin Board in WWW Environment", Article. (AOL 052567-052574)
	A120	HORN, et al., "An ISDN Multimedia Conference Bridge", Article, IEEE Region 10, 09/1990, pp. 853-856. (AOL 052575-052578)
	A121	TANG, et al., "Montage: Providing Teleproximity for Distributed Groups", Article, 04/24-28/1994, pp. 37-43. (AOL 052579-052585)
	A122	PEARL, "System Support for Integrated Desktop Video Conferencing", Article, 12/1992, pp. 1-14. (AOL 052586-052600)
	A123	CHANG, et al., "Group Coordination in Participant Systems", Article, 05/1990, pp. 589-599. (AOL 052601-052611)
	A124	ENSOR, et al., "User Interfaces For Multimedia Multiparty Communications", Article, 1993 IEEE, pp. 1165-1171. (AOL 052612-052618)
	A125	TANG, et al., "Supporting Distributed Groups with a Montage of Lightweight Interactions", Article, 1994, pp. 23-34. (AOL 052619-052630)
	A126	BRINCK, et al., "A Collaborative Medium for the Support of Conversational Props", Article, 11/1992, pp. 171-178. (AOL 052636-052643)
	A127	GRAHAM, et al., "Relational Views as a Model for Automatic Distributed Implementation of Multi-User Applications", Article, 11/1992, pp. 59-66. (AOL 052644-052651)
	A128	REIN, et al., "rIBIS: A Real-Time Group Hypertext System", Article, 1991, pp. 349-367. (AOL 052652-052670)
	A129	GIBBS, "LIZA: An Extensible Groupware Toolkit", Article, 1989, pp. 29-35. (AOL 052671-052677)
	A130	CLARK, "Multipoint Multimedia Conferencing", Article, 05/1992 IEEE, pp. 44-50. (AOL 052678-052684)
	A131	WOLF, et al., "We-Met (Window Environment-Meeting Enhancement Tools)", Article, pp. 441-442. (AOL 052695-052696)
	A132	HILL, et al., "The Rendezvous Language and Architecture", Article, 01/1993, Vol. 36, No. 1, pp. 62-67. (AOL 052697-052702)
	A133	HILL, et al., "The Rendezvous Architecture and Language for Constructing Multiuser Applications," ACM Transactions on Computer-Human Interaction, 06/1994, Vol. 1, No. 2, pp. 81-125 (AOL 052703-052747)
	A134	WOO, et al., "A Synchronous Collaboration Tool for World-Wide Web," Distributed Systems Technology Centre, The University of Queensland, Queensland 4072 (AOL 052519-052530)

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Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A135	BUXTON, et al., "Europarc's Integrated Interactive Intermedia Facility (IIIF): Early Experiences". In S. Gibbs & A.A. Verrijn-Stuart (Eds.). *Multiuser interfaces and applications, Proceedings of the IFIP WG 8.4 Conference on Multi-user Interfaces and Applications,* Heraklion, Crete. Amsterdam: Elsevier Science Publishers B.V. (North-Holland), 11-34. (AOL 052756-052764)
	A136	SOHLENKAMP, et al., "Integrating Communication, Cooperation, and Awareness: The DIVA Virtual Office Environment," Article, pp. 331-343. (AOL 052765-052777)
	A137	KRISHNAMURTHY, et al., "Yeast: A General Purpose Event-Action System," IEEE Transactions on Software Engineering, Vol. 21, No. 10, October 1995. (AOL 052778-052790)
	A138	LÖVSTRAND, et al., "Being Selectively Aware with the Khronika System," Proceedings of the Second European Conference on Compuber-Supported Cooperative Work, September 25-57, 1991, Amsterdam, The Netherlands, pp. 265-277. (AOL 052791-052803)
	A139	DOURISH, et al., "Portholes: Supporting Awareness in a Distributed Work Group," Chi '92, May 3-7, 1992, pp. 541-547. (AOL 052804-052810)
	A140	GAVER, et al., "Realizing a Video Environment: Europarc's Rave System," Chi '92, May 3-7, 1992, pp. 27-35. (AOL 052811-052819)
	A141	BORNING, et al., "Two Approaches to Casual Interaction Over Computer and Video Networks," pp. 13-19. (AOL 052820-052826)

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Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant: Daniel L. Marks	
	Filing Date: September 20, 1999	Group: 2765

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U.S. Patent Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	5,616,876	Apr. 1, 1997	Cluts	84	609	April 19, 1995
	A2	5,793,365	Aug. 11, 1998	Tang et al.	345	329	Jan. 2, 1996
	A3	5,832,212	Nov. 3, 1998	Cragun et al.	395	188.01	April 19, 1996
	A4	5,941,947	Aug. 24, 1999	Brown et al.	709	225	Aug. 18, 1995

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	

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Notice of References Cited	Application/Control No. 09/399,578	Applicant(s)/Patent Under Reexamination MARKS, DANIEL L.	
	Examiner Patrice Winder	Art Unit 2145	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,793,365	08-1998	Tang et al.	715/758
*	B	US-5,941,947	08-1999	Brown et al.	709/225
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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	O					
	P					
	Q					
	R					
	S					
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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	09399578	MARKS, DANIEL L.
	Examiner	Art Unit
	Patrice Winder	2145

SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
updated search US Patents and PG Publications (using EAST) - see attached search history	1-7-2008	plw

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	119053	e$1mail or electronic adj2 (mail or messag$3)	US-PGPUB; USPAT	OR	ON	2008/01/07 05:02
L2	49786	attachment with (file or document or object or video or audio or multimedia or graphic)	US-PGPUB; USPAT	OR	ON	2008/01/07 05:03
L3	8064	l1 and l2	US-PGPUB; USPAT	OR	ON	2008/01/07 05:03
L4	225	l3 and (@ad<"19960401" or @rlad<"19960401")	US-PGPUB; USPAT	OR	ON	2008/01/07 05:03
L5	1	("5572643").PN.	US-PGPUB; USPAT	OR	OFF	2008/01/07 05:53
L6	0	"5941947".pn. and password	US-PGPUB; USPAT	OR	ON	2008/01/07 06:27
L7	1	"5941947".pn. and id	US-PGPUB; USPAT	OR	ON	2008/01/07 06:27
L8	1	"5941947".pn. and (log$1on or log$1in)	US-PGPUB; USPAT	OR	ON	2008/01/07 06:28

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PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

S I R :

Please enter the following Preliminary Amendment and reconsider the application in view thereof. It is believed that no new matter has been added.

I. Amendment

A. In the claims

Please withdraw claims 818-842, 844, 876, 880-883, 886-890, 897-900, 904-909, 911, 915, 919-948, 953-954, 963-972, and 989-995, as set out below:

1. (Previously presented) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected to a respective input device and to a respective output device;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing at least one of a pointer, video, audio, a graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications that are not censored based on the individual user identity, wherein the receiving is in real time and via the Internet network, and not presenting the data that is censored to the corresponding output device.

2. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer.

3. (Previously presented) The method of claim 1, wherein the determining

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whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video.

4. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing audio.

5. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a graphic.

6. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing multimedia.

7. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video.

8. (Previously presented) The method of claim 1, wherein the determining

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whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and audio.

9. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and a graphic.

10. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video and audio.

11. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video and a graphic.

12. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing audio and a graphic.

13. (Previously presented) The method of claim 1, wherein the determining

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whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video and audio.

14. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video and a graphic.

15. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and audio and a graphic.

16. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video and audio and a graphic.

17. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is

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censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video and audio and a graphic.

18. (Previously presented) The method of claim 1, wherein at least some of the communications include at least one of text or ascii.

19. (Previously presented) The method of claim 2, wherein at least some of the communications include at least one of text or ascii.

20. (Previously presented) The method of claim 3, wherein at least some of the communications include at least one of text or ascii.

21. (Previously presented) The method of claim 4, wherein at least some of the communications include at least one of text or ascii.

22. (Previously presented) The method of claim 5, wherein at least some of the communications include at least one of text or ascii.

23. (Previously presented) The method of claim 6, wherein at least some of the communications include at least one of text or ascii.

24. (Previously presented) The method of claim 7, wherein at least some of the communications include at least one of text or ascii.

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25. (Previously presented) The method of claim 8, wherein at least some of the communications include at least one of text or ascii.

26. (Previously presented) The method of claim 9, wherein at least some of the communications include at least one of text or ascii.

27. (Previously presented) The method of claim 10, wherein at least some of the communications include at least one of text or ascii.

28. (Previously presented) The method of claim 11, wherein at least some of the communications include at least one of text or ascii.

29. (Previously presented) The method of claim 12, wherein at least some of the communications include at least one of text or ascii.

30. (Previously presented) The method of claim 13, wherein at least some of the communications include at least one of text or ascii.

31. (Previously presented) The method of claim 14, wherein at least some of the communications include at least one of text or ascii.

32. (Previously presented) The method of claim 15, wherein at least some of the communications include at least one of text or ascii.

33. (Previously presented) The method of claim 16, wherein at least some of

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the communications include at least one of text or ascii.

34. (Previously presented) The method of claim 17, wherein at least some of the communications include at least one of text or ascii.

35. (Previously presented) The method of claim 1, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

36. (Previously presented) The method of claim 2, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

37. (Previously presented) The method of claim 3, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

38. (Previously presented) The method of claim 4, further including:

determining whether at least one of the first and the second user identities,

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individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

39. (Previously presented) The method of claim 5, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

40. (Previously presented) The method of claim 6, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

41. (Previously presented) The method of claim 7, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

42. (Previously presented) The method of claim 8, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a

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pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

43. (Previously presented) The method of claim 9, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

44. (Previously presented) The method of claim 10, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

45. (Previously presented) The method of claim 11, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

46. (Previously presented) The method of claim 12, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

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sending the data that is not censored from sending.

47. (Previously presented) The method of claim 13, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

48. (Previously presented) The method of claim 14, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

49. (Previously presented) The method of claim 15, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

50. (Previously presented) The method of claim 16, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

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51. (Previously presented) The method of claim 17, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

52. (Previously presented) The method of claim 1, further including determining whether at least one of the communications is censored based on content.

53. (Previously presented) The method of claim 2, further including determining whether at least one of the communications is censored based on content.

54. (Previously presented) The method of claim 3, further including determining whether at least one of the communications is censored based on content.

55. (Previously presented) The method of claim 4, further including determining whether at least one of the communications is censored based on content.

56. (Previously presented) The method of claim 5, further including determining whether at least one of the communications is censored based on content.

57. (Previously presented) The method of claim 6, further including determining whether at least one of the communications is censored based on content.

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58. (Previously presented) The method of claim 7, further including determining whether at least one of the communications is censored based on content.

59. (Previously presented) The method of claim 8, further including determining whether at least one of the communications is censored based on content.

60. (Previously presented) The method of claim 9, further including determining whether at least one of the communications is censored based on content.

61. (Previously presented) The method of claim 10, further including determining whether at least one of the communications is censored based on content.

62. (Previously presented) The method of claim 11, further including determining whether at least one of the communications is censored based on content.

63. (Previously presented) The method of claim 12, further including determining whether at least one of the communications is censored based on content.

64. (Previously presented) The method of claim 13, further including determining whether at least one of the communications is censored based on content.

65. (Previously presented) The method of claim 14, further including determining whether at least one of the communications is censored based on content.

66. (Previously presented) The method of claim 15, further including

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determining whether at least one of the communications is censored based on content.

67. (Previously presented) The method of claim 16, further including determining whether at least one of the communications is censored based on content.

68. (Previously presented) The method of claim 17, further including determining whether at least one of the communications is censored based on content.

69. (Previously presented) The method of claim 52, further including determining a user age corresponding to each of the user identities.

70. (Previously presented) The method of claim 53, further including determining a user age corresponding to each of the user identities.

71. (Previously presented) The method of claim 54, further including determining a user age corresponding to each of the user identities.

72. (Previously presented) The method of claim 55, further including determining a user age corresponding to each of the user identities.

73. (Previously presented) The method of claim 56, further including determining a user age corresponding to each of the user identities.

74. (Previously presented) The method of claim 57, further including determining a user age corresponding to each of the user identities.

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75. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

76. (Previously presented) The method of claim 2, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

77. (Previously presented) The method of claim 3, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

78. (Previously presented) The method of claim 4, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

79. (Previously presented) The method of claim 5, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

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80. (Previously presented) The method of claim 6, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

81. (Previously presented) The method of claim 7, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

82. (Previously presented) The method of claim 8, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

83. (Previously presented) The method of claim 9, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

84. (Previously presented) The method of claim 10, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

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85. (Previously presented) The method of claim 11, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

86. (Previously presented) The method of claim 1, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

87. (Previously presented) The method of claim 2, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

88. (Previously presented) The method of claim 3, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

89. (Previously presented) The method of claim 4, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

90. (Previously presented) The method of claim 5, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

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91. (Previously presented) The method of claim 6, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

92. (Previously presented) The method of claim 7, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

93. (Previously presented) The method of claim 8, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

94. (Previously presented) The method of claim 9, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

95. (Previously presented) The method of claim 10, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

96. (Previously presented) The method of claim 11, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

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97. (Previously presented) The method of claim 12, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

98. (Previously presented) The method of claim 13, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

99. (Previously presented) The method of claim 14, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

100. (Previously presented) The method of claim 15, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

101. (Previously presented) The method of claim 16, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

102. (Previously presented) The method of claim 17, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

103. (Previously presented) The method of claim 1, further including determining

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a user age corresponding to each of the user identities.

104. (Previously presented) The method of claim 2, further including determining a user age corresponding to each of the user identities.

105. (Previously presented) The method of claim 3, further including determining a user age corresponding to each of the user identities.

106. (Previously presented) The method of claim 4, further including determining a user age corresponding to each of the user identities.

107. (Previously presented) The method of claim 5, further including determining a user age corresponding to each of the user identities.

108. (Previously presented) The method of claim 6, further including determining a user age corresponding to each of the user identities.

109. (Previously presented) The method of claim 7, further including determining a user age corresponding to each of the user identities.

110. (Previously presented) The method of claim 8, further including determining a user age corresponding to each of the user identities.

111. (Previously presented) The method of claim 9, further including determining a user age corresponding to each of the user identities.

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112. (Previously presented) The method of claim 10, further including determining a user age corresponding to each of the user identities.

113. (Previously presented) The method of claim 11, further including determining a user age corresponding to each of the user identities.

114. (Previously presented) The method of claim 12, further including determining a user age corresponding to each of the user identities.

115. (Previously presented) The method of claim 13, further including determining a user age corresponding to each of the user identities.

116. (Previously presented) The method of claim 14, further including determining a user age corresponding to each of the user identities.

117. (Previously presented) The method of claim 15, further including determining a user age corresponding to each of the user identities.

118. (Previously presented) The method of claim 16, further including determining a user age corresponding to each of the user identities.

119. (Previously presented) The method of claim 17, further including determining a user age corresponding to each of the user identities.

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120. (Previously presented) The method of claim 1, wherein the data represents a pointer that produces a pointer-triggered message on demand.

121. (Previously presented) The method of claim 2, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

122. (Previously presented) The method of claim 7, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

123. (Previously presented) The method of claim 8, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

124. (Previously presented) The method of claim 9, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

125. (Previously presented) The method of claim 13, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

126. (Previously presented) The method of claim 14, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

127. (Previously presented) The method of claim 15, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

128. (Previously presented) The method of claim 17, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

129. (Previously presented) The method of claim 18, wherein the data represents a pointer that produces a pointer-triggered message on demand.

130. (Previously presented) The method of claim 19, wherein the data represents a pointer that produces a pointer-triggered message on demand.

131. (Previously presented) The method of claim 24, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

132. (Previously presented) The method of claim 25, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

133. (Previously presented) The method of claim 26, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

134. (Previously presented) The method of claim 30, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

135. (Previously presented) The method of claim 31, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

136. (Previously presented) The method of claim 32, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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137. (Previously presented) The method of claim 34, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

138. (Previously presented) The method of claim 35, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

139. (Previously presented) The method of claim 36, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

140. (Previously presented) The method of claim 41, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

141. (Previously presented) The method of claim 42, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

142. (Previously presented) The method of claim 43, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

143. (Previously presented) The method of claim 47, wherein the data that is

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censored from sending represents a pointer that produces a pointer-triggered message on demand.

144. (Previously presented) The method of claim 48, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

145. (Previously presented) The method of claim 49, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

146. (Previously presented) The method of claim 51, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

147. (Previously presented) The method of claim 52, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

148. (Previously presented) The method of claim 53, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

149. (Previously presented) The method of claim 58, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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150. (Previously presented) The method of claim 59, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

151. (Previously presented) The method of claim 60, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

152. (Previously presented) The method of claim 64, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

153. (Previously presented) The method of claim 65, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

154. (Previously presented) The method of claim 66, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

155. (Previously presented) The method of claim 68, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

156. (Previously presented) The method of claim 69, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

157. (Previously presented) The method of claim 70, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on

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demand.

158. (Previously presented) The method of claim 75, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

159. (Previously presented) The method of claim 76, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

160. (Previously presented) The method of claim 77, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

161. (Previously presented) The method of claim 81, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

162. (Previously presented) The method of claim 82, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

163. (Previously presented) The method of claim 83, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

164. (Previously presented) The method of claim 85, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on

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demand.

165. (Withdrawn) A method of operating a system to receive a communication via an Internet network, the method including:

connecting a plurality of computers to a computer system;

sending, from each of the plurality of computers, a respective login name and a password corresponding to a respective user identity;

communicating a message comprised of a pointer, from a first of the plurality of computers to the computer system;

communicating the message from the computer system to a second of the plurality of computers; and

receiving via the pointer a communication from the first of the plurality of computers at the second of the plurality of computers, the communication being sent in real time and via the Internet network, the communication including data representing at least one of video, a graphic, sound, or multimedia.

166. (Previously presented) The method of claim 86, wherein the data represents a pointer that produces a pointer-triggered message on demand.

167. (Previously presented) The method of claim 87, wherein the data represents a pointer that produces a pointer-triggered message on demand.

168. (Previously presented) The method of claim 92, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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169. (Previously presented) The method of claim 93, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

170. (Previously presented) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system;

sending, from each of the plurality of computers, a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data in the communications, the data representing at least one of a pointer, video, audio, a graphic or multimedia; and

if the first and the second user identities are able to form the group, then forming the group, sending the communications that are not censored based on the individual user identity, and receiving the communications, wherein the receiving is in real time and via the Internet network.

171. (Previously presented) The method of claim 94, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

172. (Previously presented) The method of claim 98, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

173. (Previously presented) The method of claim 99, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

174. (Previously presented) The method of claim 100, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

175. (Previously presented) The method of claim 102, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

176. (Previously presented) The method of claim 103, wherein the data represents a pointer that produces a pointer-triggered message on demand.

177. (Previously presented) The method of claim 104, wherein the data represents a pointer that produces a pointer-triggered message on demand.

178. (Previously presented) The method of claim 109, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

179. (Previously presented) The method of claim 110, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

180. (Previously presented) The method of claim 111, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

181. (Previously presented) The method of claim 115, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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182. (Previously presented) The method of claim 116, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

183. (Previously presented) The method of claim 117, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

184. (Previously presented) The method of claim 119, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

185. (Previously presented) The method of claim 1, wherein receiving the communications includes causing presentation of some of the communications by one of the plurality of computers in the group.

186. (Previously presented) The method of claim 1, further including, when the data is censored, not receiving the communications that are censored based on the individual user identity, and not presenting the data that is censored to the corresponding output device.

187. (Previously presented) The method of claim 1, wherein the computer system is comprised of an Internet service provider computer system.

188. (Previously presented) The method of claim 1, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at the output

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device corresponding to the second user identity.

189. (Previously presented) The method of claim 1, further including:

providing the first user identity with access to a member-associated image corresponding to the second user identity.

190. (Previously presented) The method of claim 1, further including:

determining whether the first user identity is censored from access to a member-associated image corresponding to the second user identity;

if the first user identity is censored, not allowing access to the member-associated image; and

if the first user identity is not censored, allowing access to the member-associated image.

191. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer.

192. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video.

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193. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing audio.

194. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a graphic.

195. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing multimedia.

196. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video.

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197. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and audio.

198. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and a graphic.

199. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video and audio.

200. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video and a graphic.

201. (Previously presented) The method of claim 170, wherein the determining

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whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing audio and a graphic.

202. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video and audio.

203. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video and a graphic.

204. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and audio and a graphic.

205. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is

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censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video and audio and a graphic.

206. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video and audio and a graphic.

207. (Previously presented) The method of claim 170, wherein at least some of the communications include at least one of text or ascii.

208. (Previously Presented) The method of claim 191, wherein at least some of the communications include at least one of text or ascii.

209. (Previously Presented) The method of claim 192, wherein at least some of the communications include at least one of text or ascii.

210. (Previously Presented) The method of claim 193, wherein at least some of the communications include at least one of text or ascii.

211. (Previously Presented) The method of claim 194, wherein at least some of the communications include at least one of text or ascii.

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212. (Previously Presented) The method of claim 195, wherein at least some of the communications include at least one of text or ascii.

213. (Previously Presented) The method of claim 196, wherein at least some of the communications include at least one of text or ascii.

214. (Previously Presented) The method of claim 197, wherein at least some of the communications include at least one of text or ascii.

215. (Previously Presented) The method of claim 198, wherein at least some of the communications include at least one of text or ascii.

216. (Previously presented) The method of claim 199, wherein at least some of the communications include at least one of text or ascii.

217. (Previously presented) The method of claim 200, wherein at least some of the communications include at least one of text or ascii.

218. (Previously presented) The method of claim 201, wherein at least some of the communications include at least one of text or ascii.

219. (Previously presented) The method of claim 202, wherein at least some of the communications include at least one of text or ascii.

220. (Previously presented) The method of claim 203, wherein at least some of

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the communications include at least one of text or ascii.

221. (Previously presented) The method of claim 204, wherein at least some of the communications include at least one of text or ascii.

222. (Previously presented) The method of claim 205, wherein at least some of the communications include at least one of text or ascii.

223. (Previously presented) The method of claim 206, wherein at least some of the communications include at least one of text or ascii.

224. (Previously presented) The method of claim 170, further including determining whether at least one of the communications is censored based on content.

225. (Previously Presented) The method of claim 191, further including determining whether at least one of the communications is censored based on content.

226. (Previously Presented) The method of claim 192, further including determining whether at least one of the communications is censored based on content.

227. (Previously Presented) The method of claim 193, further including determining whether at least one of the communications is censored based on content.

228. (Previously Presented) The method of claim 194, further including determining whether at least one of the communications is censored based on content.

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229. (Previously Presented) The method of claim 195, further including determining whether at least one of the communications is censored based on content.

230. (Previously Presented) The method of claim 196, further including determining whether at least one of the communications is censored based on content.

231. (Previously Presented) The method of claim 197, further including determining whether at least one of the communications is censored based on content.

232. (Previously Presented) The method of claim 198, further including determining whether at least one of the communications is censored based on content.

233. (Previously presented) The method of claim 199, further including determining whether at least one of the communications is censored based on content.

234. (Previously presented) The method of claim 200, further including determining whether at least one of the communications is censored based on content.

235. (Previously presented) The method of claim 201, further including determining whether at least one of the communications is censored based on content.

236. (Previously presented) The method of claim 202, further including determining whether at least one of the communications is censored based on content.

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237. (Previously presented) The method of claim 203, further including determining whether at least one of the communications is censored based on content.

238. (Previously presented) The method of claim 204, further including determining whether at least one of the communications is censored based on content.

239. (Previously presented) The method of claim 205, further including determining whether at least one of the communications is censored based on content.

240. (Previously presented) The method of claim 206, further including determining whether at least one of the communications is censored based on content

241. (Previously presented) The method of claim 170, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

242. (Previously Presented) The method of claim 191, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

243. (Previously Presented) The method of claim 192, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

244. (Previously Presented) The method of claim 193, wherein the determining

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whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

245. (Previously Presented) The method of claim 194, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

246. (Previously Presented) The method of claim 195, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

247. (Previously Presented) The method of claim 196, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

248. (Previously Presented) The method of claim 197, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

249. (Previously Presented) The method of claim 198, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

250. (Previously presented) The method of claim 199, wherein the determining whether the first user identity and the second user identity are able to form a group includes

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determining whether the first of the user identities is censored.

251. (Previously presented) The method of claim 200, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

252. (Previously presented) The method of claim 201, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

253. (Previously presented) The method of claim 202, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

254. (Previously presented) The method of claim 203, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

255. (Previously presented) The method of claim 204, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

256. (Previously presented) The method of claim 205, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

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257. (Previously presented) The method of claim 206, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

258. (Previously presented) The method of claim 170, further including determining a user age corresponding to each of the user identities.

259. (Previously Presented) The method of claim 191, further including determining a user age corresponding to each of the user identities.

260. (Previously Presented) The method of claim 192, further including determining a user age corresponding to each of the user identities.

261. (Previously Presented) The method of claim 193, further including determining a user age corresponding to each of the user identities.

262. (Previously Presented) The method of claim 194, further including determining a user age corresponding to each of the user identities.

263. (Previously Presented) The method of claim 195, further including determining a user age corresponding to each of the user identities.

264. (Previously Presented) The method of claim 196, further including determining a user age corresponding to each of the user identities.

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265. (Previously Presented) The method of claim 197, further including determining a user age corresponding to each of the user identities.

266. (Previously Presented) The method of claim 198, further including determining a user age corresponding to each of the user identities.

267. (Previously presented) The method of claim 199, further including determining a user age corresponding to each of the user identities.

268. (Previously presented) The method of claim 200, further including determining a user age corresponding to each of the user identities.

269. (Previously presented) The method of claim 201, further including determining a user age corresponding to each of the user identities.

270. (Previously presented) The method of claim 202, further including determining a user age corresponding to each of the user identities.

271. (Previously presented) The method of claim 203, further including determining a user age corresponding to each of the user identities.

272. (Previously presented) The method of claim 204, further including determining a user age corresponding to each of the user identities.

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273. (Previously presented) The method of claim 205, further including determining a user age corresponding to each of the user identities.

274. (Previously presented) The method of claim 206, further including determining a user age corresponding to each of the user identities.

275. (Previously presented) The method of claim 170, wherein at least one of the communications includes data representing a human communication of sound.

276. (Previously Presented) The method of claim 191, wherein at least one of the communications includes data representing a human communication of sound.

277. (Previously Presented) The method of claim 192, wherein at least one of the communications includes data representing a human communication of sound.

278. (Previously Presented) The method of claim 193, wherein at least one of the communications includes data representing a human communication of sound.

279. (Previously Presented) The method of claim 194, wherein at least one of the communications includes data representing a human communication of sound.

280. (Previously Presented) The method of claim 195, wherein at least one of the communications includes data representing a human communication of sound.

281. (Previously Presented) The method of claim 196, wherein at least one of

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the communications includes data representing a human communication of sound.

282. (Previously Presented) The method of claim 197, wherein at least one of the communications includes data representing a human communication of sound.

283. (Previously Presented) The method of claim 198, wherein at least one of the communications includes data representing a human communication of sound.

284. (Previously presented) The method of claim 199, wherein at least one of the communications includes data representing a human communication of sound.

285. (Previously presented) The method of claim 200, wherein at least one of the communications includes data representing a human communication of sound.

286. (Previously presented) The method of claim 201, wherein at least one of the communications includes data representing a human communication of sound.

287. (Previously presented) The method of claim 202, wherein at least one of the communications includes data representing a human communication of sound.

288. (Previously presented) The method of claim 203, wherein at least one of the communications includes data representing a human communication of sound.

289. (Previously presented) The method of claim 204, wherein at least one of the communications includes data representing a human communication of sound.

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290. (Previously presented) The method of claim 205, wherein at least one of the communications includes data representing a human communication of sound.

291. (Previously presented) The method of claim 206, wherein at least one of the communications includes data representing a human communication of sound.

292. (Cancelled) ~~The method of claim 170, wherein at least one of the communications includes at least one of text or ascii.~~

293. (Cancelled) ~~The method of claim 191, wherein at least one of the communications includes at least one of text or ascii~~.

294. (Cancelled) ~~The method of claim 192, wherein at least one of the communications includes at least one of text or ascii~~.

295. (Cancelled) ~~The method of claim 193, wherein at least one of the communications includes at least one of text or ascii~~.

296. (Cancelled) ~~The method of claim 194, wherein at least one of the communications includes at least one of text or ascii~~.

297. (Cancelled) ~~The method of claim 195, wherein at least one of the communications includes at least one of text or ascii.~~

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298. (Cancelled) ~~The method of claim 196, wherein at least one of the communications includes at least one of text or ascii.~~

299. (Cancelled) The method of claim 197, wherein at least one of the communications includes at least one of text or ascii.

300. (Cancelled) ~~The method of claim 198, wherein at least one of the communications includes at least one of text or ascii.~~

301. (Cancelled) ~~The method of claim 199, wherein at least one of the communications includes at least one of text or ascii.~~

302. (Cancelled) ~~The method of claim 200, wherein at least one of the communications includes at least one of text or ascii.~~

303. (Cancelled) ~~The method of claim 201, wherein at least one of the communications includes at least one of text or ascii.~~

304. (Cancelled) ~~The method of claim 202, wherein at least one of the communications includes at least one of text or ascii.~~

305. (Cancelled) ~~The method of claim 203, wherein at least one of the communications includes at least one of text or ascii.~~

306. (Cancelled) ~~The method of claim 204, wherein at least one of the~~

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~~communications includes at least one of text or ascii.~~

307. (Cancelled) ~~The method of claim 205, wherein at least one of the communications includes at least one of text or ascii.~~

308. (Cancelled) ~~The method of claim 206, wherein at least one of the communications includes at least one of text or ascii.~~

309. (Previously presented) The method of claim 170, wherein the computer system is comprised of an Internet service provider computer system.

310. (Previously presented) The method of claim 170, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at the output device corresponding to the second user identity.

311. (Previously presented) The method of claim 170, further including:

providing the first user identity with access to a member-associated image corresponding to the second user identity.

312. (Previously presented) The method of claim 170, further including:

determining whether the first user identity is censored from access to a member-associated image corresponding to the second user identity;

if the first user identity is censored, not allowing access to the member-

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associated image; and

if the first user identity is not censored, allowing access to the member-associated image.

313. (Previously presented) The method of claim 170, wherein the data represents a pointer that a pointer-triggered message on demand.

314. (Previously Presented) The method of claim 191, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

315. (Previously Presented) The method of claim 196, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

316. (Previously presented) The method of claim 197, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

317. (Previously presented) The method of claim198, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

318. (Previously presented) The method of claim 202, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

319. (Previously presented) The method of claim 203, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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320. (Previously presented) The method of claim 204, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

321. (Previously presented) The method of claim 206, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

322. (Previously presented) The method of claim 207, wherein the data represents a pointer that a pointer-triggered message on demand.

323. (Previously Presented) The method of claim 208, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

324. (Previously Presented) The method of claim 213, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

325. (Previously presented) The method of claim 214, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

326. (Previously presented) The method of claim 215, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

327. (Previously presented) The method of claim 219, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

328. (Previously presented) The method of claim 220, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

329. (Previously presented) The method of claim 221, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

330. (Previously presented) The method of claim 223, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

331. (Previously presented) The method of claim 224, wherein the data represents a pointer that a pointer-triggered message on demand.

332. (Previously Presented) The method of claim 225, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

333. (Previously Presented) The method of claim 230, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

334. (Previously presented) The method of claim 231, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

335. (Previously presented) The method of claim 232, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

336. (Previously presented) The method of claim 236, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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337. (Previously presented) The method of claim 237, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

338. (Previously presented) The method of claim 238, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

339. (Previously presented) The method of claim 240, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

340. (Previously presented) The method of claim 241, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

341. (Previously Presented) The method of claim 242, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

342. (Previously presented) The method of claim 247, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

343. (Previously Presented) The method of claim 248, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

344. (Previously presented) The method of claim 249, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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345. (Previously presented) The method of claim 253, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

346. (Previously presented) The method of claim 254, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

347. (Previously presented) The method of claim 255, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

348. (Previously presented) The method of claim 257, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

349. (Previously presented) The method of claim 258, wherein the data represents a pointer that produces a pointer-triggered message on demand.

350. (Previously Presented) The method of claim 259, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

351. (Previously Presented) The method of claim 264, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

352. (Previously presented) The method of claim 265, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

353. (Previously presented) The method of claim 266, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

354. (Previously presented) The method of claim 270, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

355. (Previously presented) The method of claim 271, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

356. (Previously presented) The method of claim 272, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

357. (Previously presented) The method of claim 274, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

358. (Previously presented) The method of claim 275, wherein the data represents a pointer that produces a pointer-triggered message on demand.

359. (Previously Presented) The method of claim 276, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

360. (Previously Presented) The method of claim 281, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

361. (Previously presented) The method of claim 282, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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362. (Previously presented) The method of claim 283, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

363. (Previously presented) The method of claim 287, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

364. (Previously presented) The method of claim 288, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

365. (Previously presented) The method of claim 289, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

366. (Previously presented) The method of claim 291, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

367. (Cancelled) ~~The method of claim 292, wherein the data represents a pointer that produces a pointer-triggered message on demand.~~

368. (Cancelled) ~~The method of claim 293, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

369. (Cancelled) ~~The method of claim 298, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

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370. (Cancelled) ~~The method of claim 299, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

371. (Cancelled) ~~The method of claim 300, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

372. (Cancelled) ~~The method of claim 304, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

373. (Cancelled) ~~The method of claim 305, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

374. (Cancelled) ~~The method of claim 306, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

375. (Cancelled) ~~The method of claim 308, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

376. (Previously presented) The method of claim 309, wherein the data represents a pointer that produces a pointer-triggered message on demand.

377. (Previously presented) The method of claim 310, wherein the data represents a pointer that produces a pointer-triggered message on demand.

378. (Previously presented) The method of claim 311, wherein the data

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represents a pointer that produces a pointer-triggered message on demand.

379. (Previously presented) The method of claim 312, wherein the data represents a pointer that produces a pointer-triggered message on demand.

380. (Previously presented) The system of claim 435, wherein the data represents a pointer.

381. (Previously presented) The system of claim 435, wherein the data represents video.

382. (Previously presented) The system of claim 435, wherein the data represents audio.

383. (Previously presented) The system of claim 435, wherein the data represents a graphic.

384. (Previously presented) The system of claim 435, wherein the data represents multimedia.

385. (Previously presented) The system of claim 435, wherein the data represents a pointer and video.

386. (Previously presented) The system of claim 435, wherein the data represents a pointer and audio.

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387. (Previously presented) The system of claim 435, wherein the data represents a pointer and a graphic.

388. (Previously presented) The system of claim 435, wherein the data represents video and audio.

389. (Previously presented) The system of claim 435, wherein the data represents video and a graphic.

390. (Previously presented) The system of claim 435, wherein the data represents audio and a graphic.

391. (Previously presented) The system of claim 435, wherein the data represents a pointer and video and audio.

392. (Previously presented) The system of claim 435, wherein the data represents a pointer and video and a graphic.

393. (Previously presented) The system of claim 435, wherein the data represents a pointer and audio and a graphic.

394. (Previously presented) The system of claim 435, wherein the data represents video and audio and a graphic.

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395. (Previously presented) The system of claim 435, wherein the data represents a pointer and video and audio and a graphic.

396. (Previously presented) The system of claim 435, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

397. (Previously presented) The system of claim 380, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

398. (Previously presented) The system of claim 381, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

399. (Previously presented) The system of claim 382, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

400. (Previously presented) The system of claim 383, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

401. (Previously presented) The system of claim 384, wherein the computer system is further programmed to determine whether at least one of the communications is

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censored based on content.

402. (Previously presented) The system of claim 385, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

403. (Previously presented) The system of claim 386, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

404. (Previously presented) The system of claim 387, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

405. (Previously presented) The system of claim 388, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

406. (Previously presented) The system of claim 389, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

407. (Previously presented) The system of claim 390, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

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408. (Previously presented) The system of claim 391, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

409. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system via the Internet network;

sending, from each of said plurality of computers, a login name and a password corresponding to a respective user identity;

determining which of the plurality of computers can communicate communications with at least one other of the plurality of computers,

receiving at least some of the communications in real time via the Internet network; and

providing, to at least one of the plurality of computers under control of the computer system, a member-associated image and member identity information corresponding to one of the user identities.

410. (Previously presented) The system of claim 392, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

411. (Previously presented) The system of claim 393, wherein the computer system is further programmed to determine whether at least one of the communications is

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censored based on content.

412. (Previously presented) The system of claim 394, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

413. (Previously presented) The system of claim 395, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

414. (Previously presented) The system of claim 435, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

415. (Previously presented) The system of claim 380, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

416. (Previously presented) The system of claim 381, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data

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representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

417. (Previously presented) The system of claim 382, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

418. (Previously presented) The system of claim 383, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

419. (Previously presented) The system of claim 384, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

420. (Previously presented) The system of claim 385, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

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send the communications that are not censored from sending.

421. (Previously presented) The system of claim 386, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

422. (Previously presented) The system of claim 387, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

423. (Previously presented) The system of claim 388, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

424. (Previously presented) The system of claim 389, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

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425. (Previously presented) The system of claim 390, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

426. (Previously presented) The system of claim 391, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

427. (Previously presented) The system of claim 392, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

428. (Previously presented) The system of claim 393, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

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429. (Previously presented) The system of claim 394, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

430. (Previously presented) The system of claim 395, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

431. (Previously presented) The system of claim 435, wherein at least one of the communications includes at least one of text or ascii.

432. (Previously presented) The system of claim 380, wherein at least one of the communications includes at least one of text or ascii.

433. (Previously presented) The system of claim 381, wherein at least one of the communications includes at least one of text or ascii.

434. (Previously presented) The system of claim 382, wherein at least one of the communications includes at least one of text or ascii.

435. (Previously presented) A system to communicate over an Internet network,

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the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected to a respective input device and a respective output device, the computer system being programmed to: form a group, responsive to each of the plurality of computers sending a respective login name and a password corresponding to a respective user identity, the group corresponding to a first of the user identities and a second of the user identities, each member of the group being capable of sending and receiving communications in real time,

determine whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer, video, audio, a graphic, or multimedia,

cause the plurality of computers in the group to receive, in real time via the Internet network, the communications that are not censored based on the individual user identity, and

cause the plurality of computers in the group to not present the data that is censored based on the individual user identity to the corresponding output device.

436. (Previously presented) The system of claim 383, wherein at least one of the communications includes at least one of text or ascii.

437. (Previously presented) The system of claim 384, wherein at least one of the communications includes at least one of text or ascii.

438. (Previously presented) The system of claim 385, wherein at least one of the communications includes at least one of text or ascii.

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439. (Previously presented) The system of claim 386, wherein at least one of the communications includes at least one of text or ascii.

440. (Previously presented) The system of claim 387, wherein at least one of the communications includes at least one of text or ascii.

441. (Previously presented) The system of claim 388, wherein at least one of the communications includes at least one of text or ascii.

442. (Previously presented) The system of claim 389, wherein at least one of the communications includes at least one of text or ascii.

443. (Previously presented) The system of claim 390, wherein at least one of the communications includes at least one of text or ascii.

444. (Previously presented) The system of claim 391, wherein at least one of the communications includes at least one of text or ascii.

445. (Previously presented) The system of claim 392, wherein at least one of the communications includes at least one of text or ascii.

446. (Previously presented) The system of claim 393, wherein at least one of the communications includes at least one of text or ascii.

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447. (Previously presented) The system of claim 394, wherein at least one of the communications includes at least one of text or ascii.

448. (Previously presented) The system of claim 395, wherein at least one of the communications includes at least one of text or ascii.

449. (Previously presented) The system of claim 435, wherein the computer system is comprised of an Internet service provider.

450. (Previously presented) The system of claim 435, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data, and

based on the authorization, allow the graphical data to be presented at the output device corresponding to the second user identity.

451. (Previously presented) The system of claim 435, wherein the computer system is further programmed to:

provide the first user identity with access to a member-associated image corresponding to the second user identity.

452. (Previously presented) The system of claim 435, wherein the computer system is further programmed to:

determine whether the first user identity is censored from access to a member-associated image corresponding to the second user identity,

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If the first user identity is censored, not allowing access to member-associated image, and

If the first user identity is not censored, allow access to the member-associated image.

453. (Previously presented) The system of claim 435, the data represents a pointer that produces a pointer-triggered message on demand.

454. (Previously presented) The system of claim 380, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

455. (Previously presented) The system of claim 385, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

456. (Previously presented) The system of claim 386, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

457. (Previously presented) The system of claim 387, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

458. (Previously presented) The system of claim 391, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

459. (Previously presented) The system of claim 392, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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460. (Previously presented) The system of claim 393, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

461. (Previously presented) The system of claim 395, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

462. (Previously presented) The system of claim 396, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

463. (Previously presented) The system of claim 397, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

464. (Previously presented) The system of claim 402, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

465. (Previously presented) The system of claim 403, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

466. (Previously presented) The system of claim 404, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

467. (Previously presented) The system of claim 408, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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468. (Previously presented) The system of claim 410, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

469. (Previously presented) The system of claim 411, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

470. (Previously presented) The system of claim 413, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

471. (Previously presented) The system of claim 414, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

472. (Previously presented) The system of claim 415, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

473. (Previously presented) The system of claim 420, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

474. (Previously presented) The system of claim 421, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

475. (Previously presented) The system of claim 422, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

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476. (Previously presented) The system of claim 426, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

477. (Previously presented) The system of claim 427, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

478. (Previously presented) The system of claim 428, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

479. (Previously presented) The system of claim 430, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

480. (Previously presented) The system of claim 431, wherein the data represents a pointer that produces a pointer-triggered message on demand.

481. (Previously presented) The system of claim 432, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

482. (Previously presented) The system of claim 438, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

483. (Previously presented) The system of claim 439, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

484. (Previously presented) The system of claim 440, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

485. (Previously presented) The system of claim 444, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

486. (Previously presented) The system of claim 445, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

487. (Previously presented) The system of claim 446, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

488. (Previously presented) The system of claim 448, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

489. (Previously presented) The system of claim 449, wherein the data represents a pointer that produces a pointer-triggered message on demand.

490. (Previously presented) The system of claim 450, wherein the data represents a pointer that produces a pointer-triggered message on demand.

491. (Previously presented) The system of claim 451, wherein the data represents a pointer that produces a pointer-triggered message on demand.

492. (Previously presented) The system of claim 452, wherein the data represents a pointer that produces a pointer-triggered message on demand.

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493. (Previously presented) The system of claim 604, wherein the data represents a pointer.

494. (Previously presented) The system of claim 604, wherein data represents video.

495. (Previously presented) The system of claim 604, wherein the data represents audio.

496. (Previously presented) The system of claim 604, wherein the data represents a graphic.

497. (Previously presented) The system of claim 604, wherein the data represents multimedia.

498. (Previously presented) The system of claim 604, wherein the data represents a pointer and video.

499. (Previously presented) The system of claim 604, wherein the data represents a pointer and audio.

500. (Previously presented) The system of claim 604, wherein the data represents a pointer and a graphic.

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501. (Previously presented) The system of claim 604, wherein the data represents video and audio.

502. (Previously presented) The system of claim 604, wherein the data represents video and a graphic.

503. (Cancelled) ~~The system of claim 604, wherein the data represents video and a graphic.~~

504. (Previously presented) The system of claim 604, wherein the data represents a pointer and video and a audio.

505. (Previously presented) The system of claim 604, wherein the data represents a pointer and video and a graphic.

506. (Previously presented) The system of claim 604, wherein the data represents a pointer and audio and a graphic.

507. (Previously presented) The system of claim 604, wherein the data represents video and audio and a graphic.

508. (Previously presented) The system of claim 604, wherein the data represents a pointer and video and audio and a graphic.

509. (Previously presented) The system of claim 604, wherein at least some of

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the communications include at least one of text or ascii.

510. (Previously presented) The system of claim 493, wherein at least some of the communications include at least one of text or ascii.

511. (Previously presented) The system of claim 494, wherein at least some of the communications include at least one of text or ascii.

512. (Previously presented) The system of claim 495, wherein at least some of the communications include at least one of text or ascii.

513. (Previously presented) The system of claim 496, wherein at least some of the communications include at least one of text or ascii.

514. (Previously presented) The system of claim 497, wherein at least some of the communications include at least one of text or ascii.

515. (Previously presented) The system of claim 498, wherein at least some of the communications include at least one of text or ascii.

516. (Previously presented) The system of claim 499, wherein at least some of the communications include at least one of text or ascii.

517. (Previously presented) The system of claim 500, wherein at least some of the communications include at least one of text or ascii.

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518. (Previously presented) The system of claim 501, wherein at least some of the communications include at least one of text or ascii.

519. (Previously presented) The system of claim 502, wherein at least some of the communications include at least one of text or ascii.

520. (Cancelled) ~~The system of claim 503, wherein at least some of the communications include at least one of text or ascii.~~

521. (Previously presented) The system of claim 504, wherein at least some of the communications include at least one of text or ascii.

522. (Previously presented) The system of claim 505, wherein at least some of the communications include at least one of text or ascii.

523. (Previously presented) The system of claim 506, wherein at least some of the communications include at least one of text or ascii.

524. (Previously presented) The system of claim 507, wherein at least some of the communications include at least one of text or ascii.

525. (Previously presented) The system of claim 508, wherein at least some of the communications include at least one of text or ascii.

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526. (Previously presented) The system of claim 604, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

527. (Previously presented) The system of claim 493, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

528. (Previously presented) The system of claim 494, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

529. (Previously presented) The system of claim 495, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

530. (Previously presented) The system of claim 496, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

531. (Previously presented) The system of claim 497, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

532. (Previously presented) The system of claim 498, wherein the computer

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system is further programmed to determine whether at least one of the communications is censored based on content.

533. (Previously presented) The system of claim 499, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

534. (Previously presented) The system of claim 500, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

535. (Previously presented) The system of claim 501, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

536. (Previously presented) The system of claim 502, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

537. (Cancelled) ~~The system of claim 503, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.~~

538. (Previously presented) The system of claim 504, wherein the computer system is further programmed to determine whether at least one of the communications is

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censored based on content.

539. (Previously presented) The system of claim 505, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

540. (Previously presented) The system of claim 506, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

541. (Previously presented) The system of claim 507, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

542. (Previously presented) The system of claim 508, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

543. (Previously presented) The system of claim 604, wherein at least one of the communications includes a human communication of sound.

544. (Previously presented) The system of claim 493, wherein at least one of the communications includes a human communication of sound.

545. (Previously presented) The system of claim 494, wherein at least one of

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the communications includes a human communication of sound.

546. (Previously presented) The system of claim 495, wherein at least one of the communications includes a human communication of sound.

547. (Previously presented) The system of claim 496, wherein at least one of the communications includes a human communication of sound.

548. (Previously presented) The system of claim 497, wherein at least one of the communications includes a human communication of sound.

549. (Previously presented) The system of claim 498, wherein at least one of the communications includes a human communication of sound.

550. (Previously presented) The system of claim 499, wherein at least one of the communications includes a human communication of sound.

551. (Previously presented) The system of claim 500, wherein at least one of the communications includes a human communication of sound.

552. (Previously presented) The system of claim 501, wherein at least one of the communications includes a human communication of sound.

553. (Previously presented) The system of claim 502, wherein at least one of the communications includes a human communication of sound.

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554. (Cancelled) ~~The system of claim 503, wherein at least one of the communications includes a human communication of sound.~~

555. (Previously presented) The system of claim 504, wherein at least one of the communications includes a human communication of sound.

556. (Previously presented) The system of claim 505, wherein at least one of the communications includes a human communication of sound.

557. (Previously presented) The system of claim 506, wherein at least one of the communications includes a human communication of sound.

558. (Previously presented) The system of claim 507, wherein at least one of the communications includes a human communication of sound.

559. (Previously presented) The system of claim 508, wherein at least one of the communications includes a human communication of sound.

560. (Previously presented) The system of claim 604, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

561. (Previously presented) The system of claim 493, wherein the computer system is further programmed to determine whether neither of the first user identity and the

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second user identity is censored from the group.

562. (Previously presented) The system of claim 494, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

563. (Previously presented) The system of claim 495, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

564. (Previously presented) The system of claim 496, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

565. (Previously presented) The system of claim 497, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

566. (Previously presented) The system of claim 498, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

567. (Previously presented) The system of claim 499, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

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568. (Previously presented) The system of claim 500, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

569. (Previously presented) The system of claim 501, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

570. (Previously presented) The system of claim 502, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

571. (Cancelled) ~~The system of claim 503, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.~~

572. (Previously presented) The system of claim 504, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

573. (Previously presented) The system of claim 505, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

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574. (Previously presented) The system of claim 506, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

575. (Previously presented) The system of claim 507, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

576. (Previously presented) The system of claim 508, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

577. (Previously presented) The system of claim 604, wherein the computer system is further programmed to determine whether neither of the first user identity and the second user identity is censored from the group.

578. (Previously presented) The system of claim 604, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, allow the graphical data to be presented at the output device corresponding to the second user identity.

579. (Previously presented) The system of claim 604, wherein the computer system is further programmed to:

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provide the first user identity with access to a member-associated image corresponding to the second user identity.

580. (Previously presented) The system of claim 604, wherein the computer system is further programmed to:

determine whether the first user identity is censored from access to a member-associated image corresponding to the second user identity,

if the first user identity is censored, not allow access to the member-associated image, and

if the first user identity is not censored, allow access to the member-associated image.

581. (Previously presented) The system of claim 604, wherein the data represents a pointer that produces a pointer-triggered message on demand.

582. (Previously presented) The system of claim 493, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

583. (Previously presented) The system of claim 498, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

584. (Previously presented) The system of claim 499, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

585. (Previously presented) The system of claim 500, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

586. (Previously presented) The system of claim 504, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

587. (Previously presented) The system of claim 505, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

588. (Previously presented) The system of claim 506, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

589. (Previously presented) The system of claim 508, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

590. (Previously presented) The system of claim 509, wherein the data represents a pointer that produces a pointer-triggered message on demand.

591. (Previously presented) The system of claim 510, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

591. (Cancelled) ~~The system of claim 515, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

592. (Previously presented) The system of claim 516, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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593. (Previously presented) The system of claim 517, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

594. (Previously presented) The system of claim 521, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

595. (Previously presented) The system of claim 522, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

596. (Previously presented) The system of claim 523, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

597. (Previously presented) The system of claim 525, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

598. (Previously presented) The system of claim 526, wherein the data represents a pointer that produces a pointer-triggered message on demand.

599. (Withdrawn) A system to receive a communication via an Internet network, the system including:

a plurality of computers connected, responsive to each of the plurality of computers sending a respective login name and a password corresponding to a respective user identity, to a computer system;

a first of the plurality of computers being programmed to communicate to the

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computer system a message including a pointer pointing to a communication that includes data representing a video, a graphic, sound, or multimedia;

the computer system being programmed to communicate the message to a second of the plurality of computers; and

the second computer being programmed to receive the communication originating from the first computer, the communication being sent in real time and via the Internet network.

600. (Previously presented) The system of claim 527, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

601. (Previously presented) The system of claim 532, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

602. (Previously presented) The system of claim 533, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

603. (Previously presented) The system of claim 534, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

604. (Previously presented) An Internet network communications system, the system including:

a plurality of computers connected storing a set of privileges corresponding to said user identity, the set including a privilege to receive non-textual communication; and

responsive to each of the plurality of computers sending a respective login name

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and a password corresponding to a respective user identity, to a computer system programmed to:

form a group corresponding to a first of the user identities and a second of the user identities, each member of the group being capable of sending and receiving communications in real time, and

determine whether at least one of the first user identity and the second user identity, individually, is censored from sending data within the communications, the data representing at least one of a pointer, video, audio, a graphic, or multimedia,

wherein the plurality of computers receive in real time and via the Internet network the communications that are not censored based on the individual user identity and do not send the data that is censored based on the individual user identity.

605. (Previously presented) The system of claim 538, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

606. (Previously presented) The system of claim 539, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

607. (Previously presented) The system of claim 540, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

608. (Previously presented) The system of claim 542, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

609. (Previously presented) The system of claim 543, wherein the data

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represents a pointer that produces a pointer-triggered message on demand.

610. (Previously presented) The system of claim 544, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

611. (Previously presented) The system of claim 549, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

612. (Previously presented) The system of claim 550, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

613. (Previously presented) The system of claim 551, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

614. (Previously presented) The system of claim 555, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

615. (Previously presented) The system of claim 556, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

616. (Previously presented) The system of claim 557, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

617. (Previously presented) The system of claim 559, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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618. (Previously presented) The system of claim 560, wherein the data represents a pointer that produces a pointer-triggered message on demand.

619. (Previously presented) The system of claim 561, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

620. (Previously presented) The system of claim 566, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

621. (Previously presented) The system of claim 567, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

622. (Previously presented) The system of claim 568, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

623. (Previously presented) The system of claim 572, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

624. (Previously presented) The system of claim 573, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

625. (Previously presented) The system of claim 574, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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626. (Previously presented) The system of claim 576, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

627. (Previously presented) The system of claim 577, wherein the data represents a pointer that produces a pointer-triggered message on demand.

628. (Previously presented) The system of claim 578, wherein the data represents a pointer that produces a pointer-triggered message on demand.

629. (Previously presented) The system of claim 579, wherein the data represents a pointer that produces a pointer-triggered message on demand.

630. (Previously presented) The system of claim 580, wherein the data represents a pointer that produces a pointer-triggered message on demand.

631. (Previously presented) The system of claim 515, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

632. (Withdrawn) The method of claim 165, further including:

determining that the message is not censored.

633. (Withdrawn) The method of claim 165, wherein the pointer is a pointer that causes the communication to be produced on demand.

634. (Withdrawn) The method of claim 165, wherein the communication

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includes data representing video.

635. (Withdrawn) The method of claim 165, wherein the communication includes data representing sound.

636. (Withdrawn) The method of claim 165, wherein the communication includes data representing sound and video.

637. (Withdrawn) The method of claim 165, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

638. (Withdrawn) The method of claim 165, wherein the message includes data representing at least one of text or ascii.

639. (Withdrawn) The method of claim 165, wherein the communication includes data representing a member-associated image.

640. (Withdrawn) The method of claim 165, further including forming a chat channel via the Internet network, between at least two of the plurality of computers.

641. (Withdrawn) The method of claim 165, wherein at least one of the communicating steps includes communicating a message as an out-of-band communication.

642. (Withdrawn) The method of claim 165, further including:

determining a user age corresponding to each of the user identities.

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643. (Withdrawn) The method of claim 642, wherein the communication includes data representing sound.

644. (Withdrawn) The method of claim 642, wherein the communication includes data representing video.

645. (Withdrawn) The method of claim 642, wherein the communication includes data representing sound and video.

646. (Withdrawn) The method system of claim 642, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

647. (Withdrawn) The method of claim 642, wherein the message includes data representing at least one of text or ascii.

648. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to determine that the pointer is not censored.

649. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to determine that the message is not censored.

650. (Withdrawn) The system of claim 599, wherein the pointer produces the communication on demand.

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651. (Withdrawn) The system of claim 599, wherein the communication includes data representing video.

652. (Withdrawn) The system of claim 599, wherein the communication includes data representing sound.

653. (Withdrawn) The system of claim 599, wherein the communication includes data representing sound and video.

654. (Withdrawn) The system of claim 599, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

655. (Withdrawn) The system of claim 599, wherein the message includes data representing at least one of text or ascii..

656. (Withdrawn) The system of claim 599, wherein the communication includes data representing a member-associated image.

657. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to form a chat channel via the Internet network, between at least two of the plurality of computers.

658. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to communicate the message as an out-of-band communication message.

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659. (Withdrawn) The system of claim 599, wherein the computer system is further programmed to determine a user age corresponding to each of the user identities.

660. (Withdrawn) The system of claim 659, wherein the communication includes data representing sound.

661. (Withdrawn) The system of claim 659, wherein the communication includes data representing video.

662. (Withdrawn) The system of claim 659, wherein the communication includes data representing sound and video.

663. (Withdrawn) The system of claim 659, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

664. (Withdrawn) The system of claim 659, wherein the message includes data representing at least one of text or ascii.

665. (Withdrawn) The authorizing, with said controller computer, invisible viewing of some of the communications method of claim 917, further including:

determining whether the pointer is not censored.

666. (Withdrawn) The method of claim 917, further including determining a user age corresponding to each of the user identities.

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667. (Withdrawn) The authorizing, with said controller computer, invisible viewing of some of the communications method of claim 666, further including:

determining whether the data is not censored.

668. (Withdrawn) The method of claim 917, wherein the pointer produces the communication on demand.

669. (Withdrawn) The method of claim 917, wherein the communication includes data representing video.

670. (Withdrawn) The method of claim 917, wherein the communication includes data representing sound.

671. (Withdrawn) The method of claim 917, wherein the communication includes data representing sound and video.

672. (Withdrawn) The method of claim 917, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

673. (Withdrawn) The method of claim 917, wherein the communication includes data representing a member-associated image.

674. (Withdrawn) The method of claim 917, further including allowing chat communication in real time via the Internet network.

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675. (Withdrawn) The method of claim 917, further including communicating an out-of-band communication from the computer system to at least one of the plurality of computers.

676. (Withdrawn) The method of claim 917, further including communicating an asynchronous communication from the computer system to at least one of the plurality of computers.

677. (Withdrawn) The method of claim 917, wherein the step of receiving the communication includes receiving a synchronous communication.

678. (Withdrawn) The method of claim 677, wherein the communication includes data representing sound.

679. (Withdrawn) The method of claim 677, wherein the communication includes data representing video.

680. (Withdrawn) The method of claim 677, wherein the communication includes data representing sound and video.

681. (Withdrawn) The method of claim 677, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

682. (Withdrawn) The method of claim 677, wherein the communication

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further includes data representing a member-associated image.

683. (Withdrawn) The method of claim 677, further including communicating an out-of-band communication from the computer system to at least one of the plurality of computers.

684. (Withdrawn) The method of claim 677, further including communicating an asynchronous communication from the computer system to at least one of the plurality of computers.

685. (Withdrawn) The system of claim 918, wherein the computer system is further programmed to determine whether the pointer is censored.

686. (Withdrawn) The system of claim 918, wherein the computer system is further programmed to determine whether the data is censored.

687. (Withdrawn) The system of claim 918, wherein the pointer produces the communication on demand.

688. (Withdrawn) The system of claim 918, wherein the communication includes data representing video.

689. (Withdrawn) The system of claim 918, wherein the communication includes data representing sound.

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690. (Withdrawn) The system of claim 918, wherein the communication includes data representing sound and video.

691. (Withdrawn) The system of claim 918, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

692. (Withdrawn) The system of claim 918, wherein the first computer is further programmed to communicate with the pointer data representing at least one of text or asci.

693. (Withdrawn) The system of claim 918, wherein the data includes data representing a member-associated image.

694. (Withdrawn) The system of claim 918, wherein the computer system is further programmed to allow chat communication for sending user messages, and receiving the user messages in real time via the Internet network.

695. (Withdrawn) The system of claim 918, wherein the computer system is further programmed to communicate out-of-band communication.

696. (Withdrawn) The system of claim 918, wherein the communication comprises an asynchronous communication.

697. (Withdrawn) The system of claim 696, wherein the communication includes data representing sound.

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698. (Withdrawn) The system of claim 696, wherein the communication includes data representing video.

699. (Withdrawn) The system of claim 696, wherein the communication includes data representing sound and video.

700. (Withdrawn) The system of claim 696, wherein the communication includes data representing sound, and the sound includes a human communication of sound.

701. (Withdrawn) The system of claim 696, wherein the communication comprises an asynchronous communication.

702. (Withdrawn) The method of claim 409, further including

determining a user's age corresponding to at least one of user identities.

703. (Withdrawn) The method of claim 702, further including censoring an unwanted communication from at least one of the user identities.

704. (Withdrawn) The method of claim 703, further including determining whether a first of the user identities is censored from access to the member-associated image corresponding to a second user identity,

if the first identity is censored, not allowing access to the member-associated, and

if the first user identity is not censored, allowing access to the member

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associated image.

705. (Withdrawn) The method of claim 702, further including:

communicating, under control of said computer system, an asynchronous message from one of the plurality of computers to another of the plurality of computers.

706. (Withdrawn) The method of claim 702, wherein the receiving includes receiving chat communications within a chat group.

707. (Withdrawn) The method of claim 702, further including providing a private communications channel to at least some of the plurality of computers.

708. (Withdrawn) The method of claim 702, further including communicating data representing human communication of sound to at least some of the plurality of computers.

709. (Withdrawn) The method of claim 702, further including providing data representing video to at least some of the plurality of computers.

710. (Withdrawn) The method of claim 702, further including providing data representing sound to at least some of the plurality of computers.

711. (Withdrawn) The method of claim 702, wherein at least some of the communications include data representing text or ascii.

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712. (Withdrawn) The method of claim 702, wherein at least some of the communications are communicated out-of-band.

713. (Withdrawn) The method of claim 702, wherein at least some of the communications include data representing multimedia.

714. (Withdrawn) The system of claim 843, wherein the computer system is further programmed to determine a user age corresponding to each said user identity.

715. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to censor an unwanted communication from a member.

716. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to determine whether a first of the user identities is censored from access to a member-associated image corresponding to a second of the user identities,

if the first user identity is censored, not allowing access to the member-associated, and

if the first user identity is not censored, allowing access to the member associated image.

717. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to communicate an asynchronous message from one of the plurality of computers to another of the plurality of computers.

718. (Withdrawn) The system of claim 714, wherein the computer system is

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further programmed to distribute the at least some of the communications among a chat group.

719. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to provide a private communication channel to at least some of the plurality of computers.

720. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to communicate data representing human communication of sound to at least some of the plurality of computers.

721. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to provide data representing video to at least some of the plurality of computers.

722. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to provide data representing video and sound to at least some of the plurality of computers.

723. (Withdrawn) The system of claim 714, wherein at least some of the communications include data representing text or asci.

724. (Withdrawn) The system of claim 714, wherein the computer system is further programmed to communicate out-of-band communication.

725. (Withdrawn) The system of claim 714, wherein at least some of the

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communications include multimedia.

726. (Previously presented) The method of claim 884, wherein at least one of the communications includes data representing sound.

727. (Previously presented) The method of claim 884, wherein at least one of the communications includes data representing video.

728. (Previously presented) The method of claim 884, wherein at least one of the communications includes data representing sound and video.

729. (Previously presented) The method of claim 884, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

730. (Previously presented) The method of claim 726, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

731. (Previously presented) The method of claim 727, further including:

storing, for the first user identity, an authorization associated with presentation of

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graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

732. (Previously presented) The method of claim 884 based on the authorization, presenting the graphical multimedia data at the output device corresponding to the second user identity wherein one of the determining steps includes determining whether a parameter corresponding to the first user identity has been determined by a user corresponding to another of the user identities.

733. (Previously presented) The method of claim 729, wherein the graphical data includes graphical multimedia data.

734. (Previously presented) The method of claim 885, wherein at least one of the communications includes data representing sound.

735. (Previously presented) The method of claim 885, wherein at least one of the communications includes data representing video.

736. (Previously presented) The method of claim 885, wherein at least one of the communications includes data representing sound and video.

737. (Previously presented) The method of claim 885, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

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based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

738. (Previously presented) The method of claim 734, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

739. (Previously presented) The method of claim 735, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

740. (Previously presented) The method of claim 736, further including:

storing, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, presenting the graphical data at one of the plurality of computers corresponding to the second user identity.

741. (Previously presented) The system of claim 891, wherein at least one of the communications includes data representing sound.

742. (Previously presented) The system of claim 891, wherein at least one of

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the communications includes data representing video.

743. (Previously presented) The system of claim 891, wherein at least one of the communications includes data representing sound and video.

744. (Previously presented) The system of claim 891, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

745. (Previously presented) The system of claim 741, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

746. (Previously presented) The system of claim 742, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

747. (Previously presented) The system of claim 743, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

748. (Previously presented) The system of claim 892, wherein at least one of the communications includes data representing sound.

749. (Previously presented) The system of claim 892, wherein at least one of

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the communications includes data representing video.

750. (Previously presented) The system of claim 892, wherein at least one of the communications includes data representing sound and video.

751. (Previously presented) The system of claim 892, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

752. (Previously presented) The system of claim 748, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

753. (Previously presented) The system of claim 749, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

754. (Previously presented) The system of claim 750, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

755. (Withdrawn) The method of claim 893, wherein at least one of the multimedia messages includes data representing sound.

756. (Withdrawn) The method of claim 893, wherein at least one of the

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multimedia messages includes data representing video.

757. (Withdrawn) The method of claim 893, wherein at least one of the multimedia messages includes data representing sound and video.

758. (Withdrawn) The method of claim 893, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

759. (Withdrawn) The method of claim 755, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

760. (Withdrawn) The method of claim 756, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

761. (Withdrawn) The method of claim 757, further including:

storing, for the first user identity, an authorization associated with presentation of

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graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

762. (Withdrawn) The method of claim 894, wherein the data includes data representing sound.

763. (Withdrawn) The method of claim 894, wherein the data includes data representing video.

764. (Withdrawn) The method of claim 894, the data includes data representing sound and video.

765. (Withdrawn) The method of claim 894, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

766. (Withdrawn) The method of claim 762, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

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767. (Withdrawn) The method of claim 763, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

768. (Withdrawn) The method of claim 764, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

769. (Withdrawn) The system of claim 895, wherein at least one of the communications includes data representing sound.

770. (Withdrawn) The system of claim 895, wherein at least one of the communications includes data representing video.

771. (Withdrawn) The system of claim 895, wherein at least one of the communications includes data representing sound and video.

772. (Withdrawn) The system of claim 895, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

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773. (Withdrawn) The system of claim 769, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

774. (Withdrawn) The system of claim 770, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

775. (Withdrawn) The system of claim 771, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

776. (Withdrawn) The system of claim 896, wherein at least one of the communications includes data representing sound.

777. (Withdrawn) The system of claim 896, wherein at least one of the communications includes data representing video.

778. (Withdrawn) The system of claim 896, wherein at least one of the communications includes data representing sound and video.

779. (Withdrawn) The system of claim 896, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data; and

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based on the authorization, present the graphical data at one of the plurality of computers corresponding to the second user identity.

780. (Withdrawn) The system of claim 776, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, present the graphical data at one of the plurality of computers corresponding to the second user identity.

781. (Withdrawn) The system of claim 777, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, present the graphical data at one of the plurality of computers corresponding to the second user identity.

782. (Withdrawn) The system of claim 778, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data; and

based on the authorization, present the graphical data at one of the plurality of computers corresponding to the second user identity.

783. (Withdrawn) The system of claim 871, wherein the computer system is

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programmed to allow the plurality of computers to communicate a type of data representing at least one of a pointer, video, audio, a graphic, or multimedia, the pointer being a pointer that produces a pointer-triggered message on demand.

784. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer.

785. (Withdrawn) The system of claim 783, wherein the type of data represents audio.

786. (Withdrawn) The system of claim 783, wherein the type of data represents video.

787. (Withdrawn) The system of claim 783, wherein the type of data represents a graphic.

788. (Withdrawn) The system of claim 783, wherein the type of data represents multimedia.

789. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and audio.

790. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and video.

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791. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and a graphic.

792. (Withdrawn) The system of claim 783, wherein the type of data represents audio and video.

793. (Withdrawn) The system of claim 783, wherein the type of data represents audio and a graphic.

794. (Withdrawn) The system of claim 783, wherein the type of data represents video and a graphic.

795. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and audio and video.

796. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and audio and a graphic.

797. (Withdrawn) The system of claim 783, wherein the type of data represents a pointer and video and a graphic.

798. (Withdrawn) The system of claim 783, wherein the type of data represents audio and video and a graphic.

799. (Withdrawn) The system of claim 783, wherein the type of data

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represents a pointer and audio and video and a graphic.

800. (Withdrawn) The system of claim 871, wherein the computer system is further programmed to provide access to a member-associated image.

801. (Withdrawn) The system of claim 783, wherein the computer system is further programmed to provide access to a member-associated image.

802. (Withdrawn) The system of claim 784, wherein the computer system is further programmed to provide access to a member-associated image.

803. (Withdrawn) The system of claim 785, wherein the computer system is further programmed to provide access to a member-associated image.

804. (Withdrawn) The system of claim 786, wherein the computer system is further programmed to provide access to a member-associated image.

805. (Withdrawn) The system of claim 787, wherein the computer system is further programmed to provide access to a member-associated image.

806. (Withdrawn) The system of claim 788, wherein the computer system is further programmed to provide access to a member-associated image.

807. (Withdrawn) The system of claim 789, wherein the computer system is further programmed to provide access to a member-associated image.

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808. (Withdrawn) The system of claim 790, wherein the computer system is further programmed to provide access to a member-associated image.

809. (Withdrawn) The system of claim 791, wherein the computer system is further programmed to provide access to a member-associated image.

810. (Withdrawn) The system of claim 792, wherein the computer system is further programmed to provide access to a member-associated image.

811. (Withdrawn) The system of claim 793, wherein the computer system is further programmed to provide access to a member-associated image.

812. (Withdrawn) The system of claim 794, wherein the computer system is further programmed to provide access to a member-associated image.

813. (Withdrawn) The system of claim 795, wherein the computer system is further programmed to provide access to a member-associated image..

814. (Withdrawn) The system of claim 796, wherein the computer system is further programmed to provide access to a member-associated image.

815. (Withdrawn) The system of claim 797, wherein the computer system is further programmed to provide access to a member-associated image.

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816. (Withdrawn) The system of claim 798, wherein the computer system is further programmed to provide access to a member-associated image.

817. (Withdrawn) The system of claim 799, wherein the computer system is further programmed to provide access to a member-associated image.

818. (Withdrawn) The method of claim 876, further including:

responsive to the allowing the plurality of computers to communicate, receiving communications, at least one of the plurality of computers, the communications including data representing at least one of a pointer, video, audio, a graphic, or multimedia.

819. (Withdrawn) The method of claim 818, wherein the data represents a pointer.

820. (Withdrawn) The method of claim 818, wherein the data represents audio.

821. (Withdrawn) The method of claim 818, wherein the data represents video.

822. (Withdrawn) The method of claim 818, wherein the data represents a graphic.

823. (Withdrawn) The method of claim 818, wherein the data represents multimedia.

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824. (Withdrawn) The method of claim 818, wherein the data represents a pointer and audio.

825. (Withdrawn) The method of claim 818, wherein the data represents a pointer and video.

826. (Withdrawn) The method of claim 818, wherein the data represents a pointer and a graphic.

827. (Withdrawn) The method of claim 818, wherein the data represents audio and video.

828. (Withdrawn) The method of claim 818, wherein the data represents audio and a graphic.

829. (Withdrawn) The method of claim 818, wherein the data represents video and a graphic.

830. (Withdrawn) The method of claim 818, wherein the data represents a pointer and audio and video.

831. (Withdrawn) The method of claim 818, wherein the data represents a pointer and audio and a graphic.

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832. (Withdrawn) The method of claim 818, wherein the data represents a pointer and video and a graphic.

833. (Withdrawn) The method of claim 818, wherein the data represents audio and video and a graphic.

834. (Withdrawn) The method of claim 818, wherein the data represents a pointer and audio and video and a graphic.

835. (Withdrawn) The method of claim 818, wherein the data represents a pointer that produces a pointer-triggered message on demand.

836. (Withdrawn) The method of claim 819, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

837. (Withdrawn) The method of claim 824, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

838. (Withdrawn) The method of claim 825, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

839. (Withdrawn) The method of claim 826, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

840. (Withdrawn) The method of claim 830, wherein the pointer is a pointer

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that produces a pointer-triggered message on demand.

841. (Withdrawn) The method of claim 831, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

842. (Withdrawn) The method of claim 832, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

843. (Withdrawn) A communications system to distribute communication over an Internet network, the system including:

a plurality of participator computers connected, responsive to each of the plurality of computers sending a respective login name and a password corresponding to a respective user identity, to a computer system programmed to:

determine which of the plurality of computers can communicate communications with an other of the plurality of computers, wherein at least some of the communications are in real time via the Internet network, and

provide a member-associated image and member identity information respectively corresponding to one of the user identities to at least some of the plurality of computers.

844. (Withdrawn) The method of claim 834, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

845. (Previously presented) The system of claim 877, wherein the computer system is further programmed to:

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send and receive communications between members in a group, the communications including data representing at least one of video, sound, a graphic, or multimedia, and

receive the communications in real time via the Internet network.

846. (Previously presented) The system of claim 845, wherein the data includes data representing sound.

847. (Previously presented) The system of claim 845, wherein the data includes data representing video.

848. (Previously presented) The system of claim 845, wherein the data includes data representing sound and video.

849. (Previously presented) The system of claim 845, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

850. (Previously presented) The system of claim 846, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

851. (Previously presented) The system of claim 847, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

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852. (Previously presented) The system of claim 848, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

853. (Previously presented) The method of claim 878, further including sending and receiving communications between members in a group, the communications including data representing at least one of video, sound, a graphic, or multimedia, the receiving in real time via the Internet network.

854. (Previously presented) The method of claim 853, wherein the data represents sound.

855. (Previously presented) The method of claim 853, wherein the data represents video.

856. (Previously presented) The method of claim 853, wherein the data represents sound and video.

857. (Previously presented) The method of claim 878, further including sending and receiving communications between members in a group, the communications including data representing a member-associated image, sound, and video.

858. (Previously presented) The method of claim 878, further including:

store, for the first user identity, an authorization associated with presentation of

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graphical multimedia; and

based on the authorization, present the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

859. (Previously presented) The method of claim 853, further including:

store, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, present the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

860. (Previously presented) The method of claim 854, further including:

store, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, present the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

861. (Previously presented) The method of claim 855, further including:

store, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, present the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

862. (Withdrawn) The method of claim 901, wherein at least one of the multimedia messages includes data representing sound.

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863. (Withdrawn) The method of claim 901, wherein at least one of the multimedia messages includes data representing video.

864. (Withdrawn) The method of claim 901, wherein at least one of the multimedia messages includes data representing sound and video.

865. (Withdrawn) The method of claim 901, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

866. (Withdrawn) The method of claim 862, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

867. (Withdrawn) The method of claim 863, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

868. (Withdrawn) The method of claim 864, further including:

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storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to the second user identity.

869. (Withdrawn) The system of claim 902, wherein at least one of the multimedia messages includes data representing sound.

870. (Withdrawn) The system of claim 902, wherein at least one of the multimedia messages includes data representing video.

871. (Withdrawn) An Internet network system, the system including:

a plurality of computers connected, responsive to each of the plurality of computers sending a respective login name and a password corresponding to a respective user identity, to a computer system programmed to:

store, for a first of the user identities, a respective authorization associated with graphical data, and

allow the plurality of computers to communicate in real time via the Internet network, and based on the authorization, cause the graphical data to be presented at one of the plurality of computers corresponding to a second of the user identities.

872. (Withdrawn) The system of claim 902, wherein at least one of the multimedia messages includes data representing sound and video.

873. (Withdrawn) The system of claim 902, wherein the computer system is

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further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

874. (Withdrawn) The system of claim 869, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

875. (Withdrawn) The system of claim 870, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

876. (Withdrawn) A method of communicating over an Internet network, the method including:

connecting a plurality of computers, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity, to a computer system;

storing, for a first of the user identities, a respective authorization allowing or disallowing presentment of graphical multimedia; and

allowing the plurality of computers to communicate in real time via the Internet network, and based on the authorization, presenting the graphical multimedia at one of the plurality of computers corresponding to a second of the user identities.

877. (Previously presented) An Internet network communication system, the system including:

a plurality of computers, each of the plurality of computers being connected to a

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respective input device and to a respective output device, the plurality of computers being connected, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

respond to one of the plurality of the computers communicating a pointer in real time and via the Internet, wherein the pointer is a pointer that produces a pointer-triggered message on demand, by determining whether a first of the user identities is censored from content in the pointer-triggered message,

if the content is censored, disallow the pointer-triggered message from being presented at the output device of the computer corresponding to the first of the user identity, and

if the content is not censored, allow the pointer-triggered message to be presented at the output device of the computer corresponding to the first of the user identities.

878. (Previously presented) A method of communicating via an Internet network, the method including:

sending a respective login name and password corresponding to a respective user identity;

after the sending, connecting a plurality of computers to a computer system, each of the plurality of computers being connected to a respective input device and to a respective output device;

responsive to at least one of the plurality of computers communicating a pointer in real time and via the Internet, the pointer producing a pointer-triggered message on demand, determining whether a first of the user identities is censored from content in the pointer-triggered message;

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if the content is censored, disallowing the pointer-triggered message to be presented at the output device of the computer corresponding to the first of the user identities; and

if the content is not censored, allowing the pointer-triggered message to be presented at the output device of the computer corresponding to the first of the user identities.

879. (Withdrawn) The system of claim 872, wherein the computer system is further programmed to provide the computer corresponding to the first user identity with access to a member-associated image corresponding to the second user identity.

880. (Withdrawn) The system of claim 909, wherein the at least one type includes at least one of text or ascii.

881. (Withdrawn) The system of claim 909, wherein the at least one type includes audio.

882. (Withdrawn) The system of claim 909, wherein the at least one type includes video.

883. (Withdrawn) The system of claim 909, wherein the at least one type includes a graphic.

884. (Previously presented) A method of communicating via an Internet network, the method including:

sending a respective login name and password corresponding to a respective

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user identity;

after the sending, connecting a plurality of computers to a computer system, each of the plurality of computers being connected to a respective input device and to a respective output device;

determining whether at least one of a first user identity and a second user identity, individually, is censored from receiving data comprising a pointer in communications that include at least one of text or ascii, the pointer being a pointer that produces a pointer-triggered message on demand;

determining whether the first and the second of the user identities are able to form a group; and

if the first and the second user identities are able to form the group, then forming the group for sending the communications, receiving and presenting the communications that are not censored based on the individual user identity, the receiving being in real time and over the Internet network, and not allowing the data that is censored to be presented at the output device corresponding to the user identity that is censored from receiving the data.

885. (Previously presented) A method of communicating via an Internet network, the method including:

connecting a computer system to a plurality of computers;

sending a respective login name and password corresponding to a respective user identity from each of the plurality of computers;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from sending a pointer in the communications including at

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least one of text or ascii, the pointer being a pointer that produces producing a pointer-triggered message on demand; and

if the first and the second user identities are able to form the group, then forming the group and sending and receiving the communications that are not censored based on the individual user identity, the receiving being in real time over the Internet network.

886. (Withdrawn) The system of claim 909, wherein the type further includes multimedia.

887. (Withdrawn) The system of claim 909, wherein the type further includes graphical multimedia.

888. (Withdrawn) The system of claim 909, wherein the type further includes a member-associated image.

889. (Withdrawn) The system of claim 909, wherein the type further includes a member-associated image and at least one of text or ascii.

890. (Withdrawn) The system of claim 909, wherein the type further includes audio and at least one of text or ascii.

891. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of participator computers, each of the plurality of computers being connected to a respective input device and to a respective output device, the plurality of

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computers being connected, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

form a group corresponding to a first of the user identities and a second of the user identities, each member of the group being capable of sending and receiving communications in real time,

determine whether at least one of the first user identity and the second user identity, individually, is censored from receiving, in the communications, data comprising a pointer, the pointer producing a pointer-triggered message on demand, and

thereafter cause the computers to receive, in real time via the Internet network, and present the communications that are not censored based on the individual user identity, and to not present the data that is censored at the output device corresponding to the user identity that is censored from receiving the data, wherein at least some of the communications include data representing at least text or ascii.

892. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers, each of the plurality of computers being connected to a respective input device and to a respective output device, the plurality of computers being connected, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

form a group corresponding to a first of the user identities and a second of the user identities, each member of the group being capable of sending and receiving communications in real time,

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determine whether at least one of the first user identity and the second user identity, individually, is censored from sending, in the communications, a pointer that produces a pointer-triggered message on demand, and

thereafter cause the computers to receive, in real time via the Internet network, and present the communications that are not censored based on the individual user identity, and to not present the communications that are censored at the output device corresponding to the user identity that is censored from receiving the data, at least some of the communications including data representing at least text or ascii.

893. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a system;

sending, from each of the plurality of computers, a respective login name and password corresponding to a respective user identity;

providing a first of the user identities access to a member-associated image and to member identity information respectively corresponding to a second of the user identities;

determining whether the first of the user identities and the second of the user identities are able to form a group for sending and for receiving communications in real time; and

if the first and the second user identities are able to form the group, forming the group, sending the communications, and receiving the communications in real time and via the Internet network, wherein at least some of the communications include data representing multimedia messages, and at least some of the multimedia messages include a pointer that produces a pointer-triggered message on demand.

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894. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system;

sending a respective login name and password corresponding to a respective user identity from each of the plurality of computers;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether the first user identity is censored from access to a member-associated image and member identity information respectively corresponding to the second user identity;

if the first user identity is censored, not allowing access to the member-associated image;

if the first user identity is not censored, allowing access to the member-associated image; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications in real time and via the Internet network, wherein at least some of the communications include data representing at least one of a pointer, video, audio, graphic, or multimedia.

895. (Withdrawn) A system to communicate via an Internet network, the system including:

a plurality of computers communicatively connected, responsive to each of the computers sending a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

determine whether a first of the user identities and a second of the user identities

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are able to form a group for sending and for receiving communications in real time,

determine whether the first user identity is censored from access to a member-associated image and member identity information respectively corresponding to the second user identity,

if the first user identity is censored, not allow access to the member-associated image,

if the first user identity is not censored, allow access to the member-associated image, and

if the first and the second user identities are able to form the group, then form the group for sending the communications,

wherein the computers corresponding to the user identities of the formed group are programmed to receive the communications in real time and via the Internet network wherein at least some of the communications include data representing multimedia and at least some of the communications include a pointer that produces a pointer-triggered message on demand.

896. (Withdrawn) An Internet network communication system, the system including:

a plurality of computers connected, responsive to each of the plurality of computers sending a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

provide a first of the user identities access to a member-associated image corresponding to a second of the user identities,

determine whether the first user identity is censored from access to a member-associated image corresponding to the second user identity,

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if the first user identity is censored, not allow access to the member-associated image,

if the first user identity is not censored, allow access to the member-associated image,

determine whether the first of the user identities and the second of the user identities are able to form a group for sending and for receiving communications in real time, and

if the first and the second user identities are able to form the group, form the group, wherein those of the plurality of computers corresponding to the first and the second user identities are programmed to send the communications and to receive the communications in real time and via the Internet network.

897. (Withdrawn) The system of claim 909, wherein the at least one type includes video and at least one of text or ascii.

898. (Withdrawn) The system of claim 909, wherein the at least one type includes graphic and at least one of text or ascii.

899. (Withdrawn) The system of claim 909, wherein the at least one type includes audio and video and at least one of text or ascii.

900. (Withdrawn) The system of claim 909, wherein the at least one type includes audio and a member-associated image.

901. (Withdrawn) A method of communicating via an Internet network, the

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method including:

connecting a computer system with a plurality of computers;

sending, from each of the plurality of computers, a respective user identity associated with a login name and a password;

permitting at least a first of the user identities and a second of the user identities to form a group; and

communicating the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing multimedia messages comprised of more than one data type, and at least some other of the communications include a pointer that produces a pointer-triggered message on demand.

902. (Withdrawn) A system to communicate via an Internet network, the system including:

a plurality of computers, responsive to each of the computers sending information indicative of a respective login name and password corresponding to a respective user identity, to a computer system programmed to:

permit at least a first of the plurality of computers and a second of the plurality of computers to form a group for communicating communications in real time via the Internet network, wherein those of the plurality of computers in the group are programmed to receive the communications, at least some of the communications including data representing multimedia messages comprised of more than one data type, and at least some other of the communications including a pointer that produces a pointer-triggered message on demand.

903. (Withdrawn) A human communication system for controlling

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communication via an Internet network, the system including:

a plurality of computers connected, responsive to each of the plurality of computers sending a user identity associated with a login name and a password, to a computer system programmed to allow a first of the user identities and a second of the user identities to form a group to send and receive communications in real time and via the Internet network, wherein those of the plurality of computers in the group are programmed to receive communications, wherein at least some of the communications include a pointer that produces a pointer-triggered message on demand, at least some of the communications include data representing human communication of sound, and at least some of the communications include data representing at least one of text or ascii.

904. (Withdrawn) The system of claim 909, wherein the at least one type includes video and a member-associated image.

905. (Withdrawn) The system of claim 909, wherein the at least one type includes audio and a member-associated image and at least one of text or ascii.

906. (Withdrawn) The system of claim 909, wherein the at least one type includes multimedia and at least one of text or ascii.

907. (Withdrawn) The system of claim 909, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

908. (Withdrawn) The system of claim 880, wherein the at least one type

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includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

909. (Withdrawn) A system of controlling communications via an Internet network, the system including:

a computer system programmed to:

connect a plurality of computers including a first computer in response to each of the plurality of computers sending information indicative of a respective login name and a respective password, which together correspond to a user identity,

store a set of privileges corresponding to each user identity,

determine whether the set of privileges corresponding to each user identity includes a privilege to communicate at least one type of message in real time via the Internet network, the type including a pointer, and if the set of privileges includes the privilege, communicate the at least one type of message,

the computer system being further programmed to allow the first computer to communicate data representing the at least one type of message to another of the plurality of computers, and

if the set of privileges does not include the privilege to communicate the at least one type of message, disallow the first computer from communicating the at least one type of message to another of the plurality of computers.

910. (Withdrawn) A method of controlling communications via an Internet network, the method including:

connecting a computer system with a plurality of computers;

sending information indicative of a respective login name and password

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corresponding to a first user identity from a first of the plurality of computers;

receiving information indicative of a login name and a password corresponding to a second user identity from a second of the plurality of computers;

allowing the first user identity and the second user identity to form a group; and

sending and receiving communications in real time and via the Internet network between those of the plurality of computers in the group, wherein at least some of the communications include a pointer that produces a pointer-triggered message on demand, at least some of the communications include data representing sound indicative of a human communication of sound, and at least some of the communications include data representing at least one of text or ascii.

911. (Withdrawn) The system of claim 881, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

912. (Withdrawn) The system of claim 882, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

913. (Withdrawn) The system of claim 883, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

914. (Withdrawn) The system of claim 886, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered

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message on demand.

915. (Withdrawn) The system of claim 887, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

916. (Withdrawn) A method of controlling communications via an Internet network, the method including:

storing a set of privileges corresponding to a user identity;

connecting a plurality of computers via the Internet network;

receiving information indicative of a login name and a password corresponding respectively to the user identity from a first computer of the plurality of computers;

determining whether the set of privileges includes a privilege to communicate at least one type of message, the type of message including at least one of a pointer, audio, video, a graphic, or multimedia, the privilege to communicate corresponding to at least one parameter changeable by a user corresponding to another user identity;

if the set of privileges includes the privilege to communicate the at least one type of message, allowing the first of the plurality of computer to communicate, in real time via the internet network, the type of message to an other of the plurality of computers; and

if the set of privileges does not include the privilege to communicate the at least one type of message, disallowing the first computer from communicating the at least one type of message to the other of the plurality of computers.

917. (Withdrawn) A method of receiving a communication via an Internet network, the method including:

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sending, from a first computer, information indicative of a login name and a password corresponding to a user identity;

responsive to the sending, connecting the first computer to a computer system;

forming a communication link between the first computer and a second computer for communicating a communication, the communication including data representing at least one of a member-associated image, video, a graphic, sound, or multimedia;

communicating a pointer, from the first computer to the computer system to obtain the communication at the first computer, the communication being sent in real time and via the Internet network; and

receiving the communication from the first computer at the second computer over the communication link.

918. (Withdrawn) A system to distribute a communication via an Internet network, the system including:

a first computer connected to a computer system, the first computer being connected responsive to its sending information indicative of a login name and a password corresponding to a user identity;

a communication link between the first computer and a second computer; and

respective software stored in the first and second computers, the software stored in the first computer being programmed to communicate a pointer, from the first computer to the computer system, for receiving the communication at the first computer, the communication being sent in real time and via the Internet network, and the software stored in the second computer being programmed to receive the communication for the first computer at the second computer via the communication link, wherein the communication includes data representing at least one of video, a graphic, sound, or multimedia.

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919. (Withdrawn) The system of claim 888, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

920. (Withdrawn) The system of claim 889, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

921. (Withdrawn) The system of claim 890, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

922. (Withdrawn) The system of claim 897, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

923. (Withdrawn) The system of claim 898, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

924. (Withdrawn) The system of claim 899, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

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925. (Withdrawn) The system of claim 900, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

926. (Withdrawn) The system of claim 904, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

927. (Withdrawn) The system of claim 905, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

928. (Withdrawn) The system of claim 906, wherein the at least one type includes the type including a pointer, a the pointer is a pointer that produces a pointer-triggered message on demand.

929. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer.

930. (Withdrawn) The method of claim 916, wherein the at least one type includes audio.

931. (Withdrawn) The method of claim 916, wherein the at least one type includes video.

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932. (Withdrawn) The method of claim 916, wherein the at least one type includes a graphic.

933. (Withdrawn) The method of claim 916, wherein the at least one type includes multimedia.

934. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and audio.

935. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and video.

936. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and a graphic.

937. (Withdrawn) The method of claim 916, wherein the at least one type includes audio and a graphic.

938. (Withdrawn) The method of claim 916, wherein the at least one type includes audio and video.

939. (Withdrawn) The method of claim 916, wherein the at least one type includes video and a graphic.

940. (Withdrawn) The method of claim 916, wherein the at least one type

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includes a pointer and audio and video.

941. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and audio and a graphic.

942. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and video and a graphic.

943. (Withdrawn) The method of claim 916, wherein the at least one type includes audio and video and a graphic.

944. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer and audio and video and a graphic.

945. (Withdrawn) The method of claim 916, wherein the at least one type includes a pointer that produces a pointer-triggered message on demand.

946. (Withdrawn) The method of claim 930, wherein the at least one type includes a pointer that produces a pointer-triggered message on demand.

947. (Withdrawn) The method of claim 931, wherein the at least one type includes a pointer that produces a pointer-triggered message on demand.

948. (Withdrawn) The method of claim 933, wherein the at least one type includes a pointer that produces a pointer-triggered message on demand.

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949. (Withdrawn) An Internet communication system, the system including:

a computer system including a server computer;

a plurality of computers, each of the plurality of computers connected to an input device and an output device, and

a communication link between the computer system including a server computer and each of the plurality of computers, each of the plurality of computers being connected responsive to its sending information indicative of a login name and password, each respective login name and password corresponding to a respective user identity,

wherein the server computer is programmed to:

allow one of the plurality of computers to be a member in one of a plurality of communication channels, each said communication channel allowing communication between at least some of the plurality of computers by way of the communication link,

cause graphical multimedia associated with a first of the login names to be presented at one of the output devices corresponding to a second of the user identities,

the server computer being further programmed to cause the user messages to be delivered over or by way of the Internet network, in at least one of the communication channels, and in real time between receipt and delivery of the user messages so as to allow access to the user messages,

wherein at least some of the user messages individually include at least two of text, a sound, a graphic, an image, and a video.

950. (Withdrawn) The system of claim 949, wherein at least one of said user messages includes a uniform resource locater, whereby the uniform resource locater produces a message upon demand.

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951. (Withdrawn) The system of claim 949, wherein at least one of said user messages includes the uniform resource locator, whereby the uniform resource locator commands at least one of the plurality of computers corresponding to the receipt to locate an additional message and present the additional message at the respective output device.

952. (Withdrawn) The system of claim 949, wherein the computer system is further programmed to determine whether the receipt is censored, and to cause the receipt if the receipt is not censored.

953. (Withdrawn) A method of communicating via an Internet network, the method including:

establishing a communication path between a computer system and each of a plurality of computers, each of the plurality of computers respectively connected to an input device and to an output device, each of the plurality of computers being connected responsive to its sending information indicative of a login name and password, each respective login name and password corresponding to a respective user identity,

allowing a first one of the plurality of computers to be a member of one of a plurality of communication channels, and

storing, for a first of the user identities, an authorization for allowing or disallowing presentment of graphical multimedia,

based on the authorization, presenting the graphical multimedia at the output device corresponding to a second of the user identities,

sending and receiving, in real time, user messages between two or more of the plurality of computers, over or by way of the Internet network, in at least one of the

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communication channels, thereby allowing access to the user messages,

wherein at least some of the user messages individually include a uniform resource locator that points to data other than text or ascii.

954. (Withdrawn) The method of claim 953, further including instructing at least one of the plurality of computers to locate an additional user message on demand via the uniform resource locator.

955. (Previously presented) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications that are not censored based on the individual user identity, wherein the receiving is in real time via the Internet network, and not receiving the communications that are censored.

956. (Previously presented) A method communicating via an Internet network, the method including:

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connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications in real time via the Internet network.

957. (Previously presented) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group, sending the communications that are not censored based on the individual user identity, and receiving the communications in real time via the Internet network.

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958. (Previously presented) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications in real time via the Internet network.

959. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time;

determine whether at least one of the first user identity and the second user identity, individually, is censored from receiving in the communications at least one of a pointer,

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video, audio, graphic, or multimedia, and

if the first and the second user identities are able to form the group, form the group for sending the communications, and

cause the plurality of computers in the group to receive, in real time via the Internet network, the communications that are not censored based on the individual user identity, and

cause the plurality of computers in the group to not receive the communications that are censored based on the individual user identity.

960. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed to send the communications, and cause the plurality of computers in the group receive, in real time via the Internet network, the communications that are not censored based on the individual user identity.

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961. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determine whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed and the communications that are not censored based on the individual user identity to be sent, and cause the communications to be received in real time via the Internet network.

962. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time by determining whether at least one of the first user identity and the second user identity,

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individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed to send and receive the communications between members of the group, wherein the communications are received in real time via the Internet network.

963. (Withdrawn) The method of claim 939, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

964. (Withdrawn) The method of claim 940, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

965. (Withdrawn) The method of claim 941, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

966. (Withdrawn) The method of claim 942, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

967. (Withdrawn) The method of claim 943, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

968. (Withdrawn) The method of claim 944, further including allowing the first computer to communicate a pointer that produces a pointer-triggered message on demand.

969. (Withdrawn) The method of claim 945, further including allowing the

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first computer to communicate a pointer that produces a pointer-triggered message on demand.

970. (Withdrawn) The method of claim 916, further including presenting an option to the plurality of computers to access the computer system with at least two client software alternatives.

971. (Withdrawn) The method of claim 916, further including determining whether receipt of a communication is censored based on content.

972. (Withdrawn) The method of claim 916, further including determining whether receipt of a communication is censored based on age.

973. (Previously presented) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications that are not censored based on the individual user identity, wherein the receiving is in real time via the

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Internet network, and not receiving the communications that are censored

974. (Previously presented) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications in real time via the Internet network.

975. (Previously presented) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time; determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video,

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audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group, sending the communications that are not censored based on the individual user identity, and receiving the communications in real time via the Internet network

976. (Previously presented) A method communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected responsive to receiving at the computer system information indicative of a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications in real time via the Internet network.

977. (Withdrawn) A method of communicating via an Internet network, the method including:

presenting an option to a plurality of computers to access a computer system with at least one of two client software alternatives, wherein the option is exercised by providing a respective user name and password respectively corresponding to a user identity to at least one of the client software alternatives, wherein both of the two client software alternatives

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cause the respective user identities to be recognized by the computer system and allows at least some of the plurality of computers to form at least one group for sending communications, wherein at least some of the communications are received in real time via the Internet network, and wherein the at least one of client software alternatives allows the computer system to determine whether at least one of the user identities, individually, is censored from data representing at least one of a pointer, video, audio, graphic, or multimedia such that the data that is censored is not presented by the corresponding computer.

978. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time;

determine whether at least one of the first user identity and the second user identity, individually, is censored from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia, and

if the first and the second user identities are able to form the group, form the group for sending the communications, and

cause the plurality of computers in the group to receive, in real time via the Internet network, the communications that are not censored based on the individual user identity, and

cause the plurality of computers in the group to not receive the communications

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that are censored based on the individual user identity.

979. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from receiving in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed to send the communications, and cause the plurality of computers in the group receive, in real time via the Internet network, the communications that are not censored based on the individual user identity.

980. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities

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are able to form a group for sending and for receiving communications in real time;

determine whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed and the communications that are not censored based on the individual user identity to be sent, and cause the communications to be received in real time via the Internet network.

981. (Previously presented) A system to communicate via an Internet network, the system including:

a plurality of computers connected to a computer system, each of the plurality of computers being connected responsive to receipt at the computer system of information indicative of a respective login name and password corresponding to a respective user identity, the computer system being programmed to:

determine whether a first of the user identities and a second of the user identities are able to form a group capable of sending and receiving communications in real time by determining whether at least one of the first user identity and the second user identity, individually, is censored from sending in the communications at least one of a pointer, video, audio, graphic, or multimedia; and

if the first and the second user identities are able to form the group, cause the group to be formed to send and receive the communications between members of the group, wherein the communications are received in real time via the Internet network.

982. (Previously presented) A method of communication over an Internet

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network, the method including:

connecting a computer system with a plurality of computers;

sending information indicative of a respective login name and password corresponding to a first user identity from a first of the plurality of computers;

receiving information indicative of a login name and a password corresponding to a second user identity from a second of the plurality of computers; and

allowing the first user identity and the second user identity to send and receive communications on at least one of a plurality of channels, wherein at least some of the communications are received in real time via the Internet network, the computer system being programmed to determine whether at least one of the user identities, individually, is censored from data in one of the channels, the data representing at least one of a pointer, video, audio, graphic, or multimedia, such that the data that is censored is not presented by the corresponding computer.

983. (Previously presented) The method of claim 980, wherein the data includes a pointer that produces a pointer-triggered message on demand.

984. (Previously presented) The method of claim 980, further including:

determining whether the first user identity is censored from the data by determining whether a parameter corresponding to the first user identity has been determined by a user corresponding to an other of the user identities.

985. (Previously presented) A method of communicating via an Internet network, the method including:

connecting a computer system with a plurality of computers;

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sending, from each of the plurality of computers, a respective user identity associated with a login name and a password;

determining whether at least one of a first of the user identities is censored from graphical multimedia; and

allowing at least a first of the user identities and a second of the user identities to form a group; and

sending and receiving the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing at least one of a pointer, video, audio, a graphic, multimedia, or at least one of text or ascii, and not allowing the graphical multimedia that is censored to be presented at one of the computers corresponding to the one of the user identities.

986. (Previously presented) A method of communicating via an Internet network, the method including:

connecting a computer system with a plurality of computers;

sending, from each of the plurality of computers, a respective user identity associated with a login name and a password;

determining whether at least one of a first of the user identities is censored from graphical data; and

allowing at least a first of the user identities and a second of the user identities to form a group; and

sending and receiving the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing at least one of a pointer, video, audio, a graphic, multimedia, or at least one of text or ascii, and not allowing the graphical data that is censored to be presented at one of the

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computers corresponding to the one of the user identities.

987. (Previously presented) A method of communicating via an Internet network, the method including:

connecting a computer system with a plurality of computers;

sending, from each of the plurality of computers, a respective user identity associated with a login name and a password;

determining whether at least one of a first of the user identities is censored from data representing graphical multimedia; and

allowing at least a first of the user identities and a second of the user identities to form a group; and

sending and receiving the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing at least one of a pointer, video, audio, a graphic, multimedia, or at least one of text or ascii, and not allowing the data representing graphical multimedia that is censored to be presented at one of the computers corresponding to the one of the user identities.

988. (Previously presented) A method of communicating via an Internet network, the method including:

connecting a computer system with a plurality of computers;

sending, from each of the plurality of computers, a respective user identity associated with a login name and a password;

determining whether at least one of a first of the user identities is censored from graphical data; and

allowing at least a first of the user identities and a second of the user identities to

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form a group; and

sending and receiving the communications in real time, via the Internet network, between the computers in the group, wherein at least some of the communications include data representing at least one of a pointer, video, audio, a graphic, multimedia, or at least one of text or ascii, and not allowing the graphical data that is censored to be presented at one of the computers corresponding to the one of the user identities.

989. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting, responsive to sending information indicative of a respective login name and password corresponding to a respective user identity, a plurality of computers with computer system;

storing at least one permission corresponding to a first of the user identities, the permission allowing or disallowing communication of a type of media;

changing, responsive to a second of the users, the stored permission; and

if the first user identity has permission to allow the communication, the sending the communications and receiving and presenting the communications, wherein the receiving is in real time and via the Internet network, and not presenting the data that is censored to the corresponding output device.

990. (Withdrawn) The method of claim 989, wherein the data represents a pointer.

991. (Withdrawn) The method of claim 989, wherein the data represents a pointer that produces a pointer-triggered message on demand.

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992. (Withdrawn) The method of claim 989, wherein the data represents video.

993. (Withdrawn) The method of claim 989, wherein the data represents audio.

994. (Withdrawn) The method of claim 989, wherein the data represents a graphic.

995. (Withdrawn) The method of claim 989, wherein the data represents multimedia.

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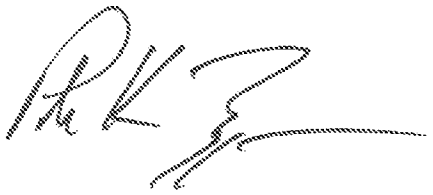
II. Remarks

The Examiner is requested to reconsider the application.

The application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefor. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: October 11, 2007

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PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT OF THE SUBSTANCE OF THE INTERVIEW

S I R :

In response to that Interview Summary mailed 09/26/2007, concerning the Interview of 9 August 2007, Applicant respectfully wishes to clarify that agreement was reached as set forth below.

* - * - *

In lieu of the prior two-group restriction requirement, the Examiner proposed that there were at least the following groupings:

Group 1) 165, 599, 901, 902, 903, 910, 918 (no censoring)
Group 2) 409, 843, 871, 893, 894, 895, 896, 917, 949 (image associated with member)
Group 3) 1, 170, 435, 604, 876, 877, 878, 884, 885, 891, 892, 955, 956, 957, 959, 960, 961, 962, 973, 974, 975, 976, 978, 979, 980, 981, 982, 985, 986, 987, 988 (explicit mentioning censoring based on user identity) 909, 916, 989 (using privileges or permissions)
Group 4) 977 (presenting user with alternatives)

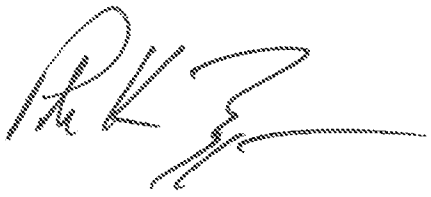
which was changed, by agreement, to add claim 871 to Group 1, and 953 and 958 to Group 3. As such, agreement was reached that the groupings of the restricted claims is at least as follows:

Group 1) 165, 599, 901, 902, 903, 910, 918, 871 (no censoring)
Group 2) 409, 843, 893, 894, 895, 896, 917, 949 (image associated with member)
Group 3) 1, 170, 435, 604, 876, 877, 878, 884, 885, 891, 892, 953, 955, 956, 956, 957, 959, 960, 961, 962, 973, 974, 975, 976, 978, 979, 980, 981, 982, 985, 986, 987, 988 (explicit mentioning censoring based on user identity) 909, 916, 989
Group 4) 977 (presenting user with alternatives).

The application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefor. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Date: October 11, 2007

Peter K. Trzyna
(Reg. No. 32,601)
(Customer No. 28910)

P. O. Box 7131
Chicago, Illinois 60680-7131
(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2886

Electronic Acknowledgement Receipt

EFS ID:	2309705
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	11-OCT-2007
Filing Date:	20-SEP-1999
Time Stamp:	17:19:55
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISp199transprelimamend.pdf	49465 9ad117f780163e9446dd927856cacfbc0b1fb1c8	no	2
Warnings:					
Information:					
2	Preliminary Amendment	AIS2ndRCEfurtherprelimamend.pdf	363204 64526d415a56fec90d7501d7daa4a092f9e869cf	no	170
Warnings:					
Information:					
3	Applicant summary of interview with examiner	AISInterviewSummary.pdf	53386 067239bb2f4532d3f93201c54ada1a00535b4f45	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	466055		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	REAL TIME COMMUNICATION SYSTEM
Group Art Unit	:	2145
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

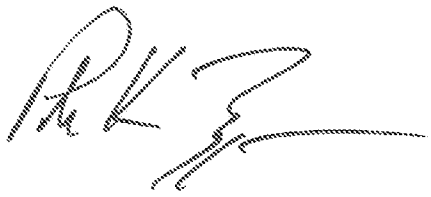
Transmitted herewith for filing in the above-identified patent application is the following:

1. Preliminary Amendment; and
2. Statement of the Substance of the Interview.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,



Date: October 11, 2007

Peter K. Trzyna
(Reg. No. 32,601)

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2890

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	REAL TIME COMMUNICATION SYSTEM
Group Art Unit	:	2145
Examiner	:	WINDER, Patrice L.

MS: No Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

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1. Preliminary Amendment; and
2. Statement of the Substance of the Interview.

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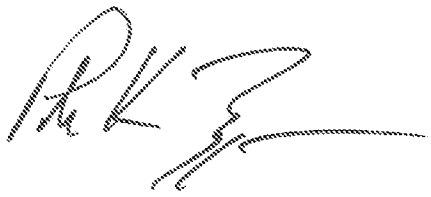
Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,



Date: October 11, 2007

Peter K. Trzyna
(Reg. No. 32,601)

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2892

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 09/399,578	Filing Date 09/20/1999	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	10/11/2007	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 901	Minus	** 995	= 0	X $ =		OR	X $50=	0
	Independent (37 CFR 1.16(h))	* 52	Minus	***52	= 0	X $ =		OR	X $210=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
Diane Williams

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 09/26/2007

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER	
WINDER, PATRICE L	
ART UNIT	**PAPER NUMBER**
2145	

MAIL DATE	DELIVERY MODE
09/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

MN

Interview Summary	Application No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice Winder	2145	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Patrice Winder*. (3)_____.

(2) *Peter Trzyna*. (4)_____.

Date of Interview: *09 August 2007*.

Type: a)☒ Telephonic b)☐ Video Conference
c)☐ Personal [copy given to: 1)☐ applicant 2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☒ No.
If Yes, brief description: _____.

Claim(s) discussed: _____.

Identification of prior art discussed: _____.

Agreement with respect to the claims f)☐ was reached. g)☒ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *See Continuation Sheet*.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Patrice L. Winder
PATRICE WINDER
PRIMARY EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Petitioner Microsoft Corporation, Ex. 1002, p. 2895

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The purpose of the interview was to explain the examiner's rationale behind the outstanding restriction requirement. First, upon review the examiner thought there are at least 4 groups. Each group can be represented by at 1 independent claim. The suggested groups are as follows: Group 1) is represented by claim 165, the key feature is similar to the originally filed claims, i.e. communication with in messages without censorship. Group 2) is represented by the claim 409, the key feature is an image associated with a member. Group 3) is represented by claim 1, the key feature is censorship based on user identity. Group 4) is represented by claim 435, the key feature is censorship based on media type. Second, the examiner deflected a few of applicant's arguments for the group. For example, applicant argued that many of the claims recite a login and password that links the authentication with the censorship. The examiner disagreed because the recitation of login and password are nominal in the claims. Unless the feature is utilized the feature would not an aspect used to determine the restriction. Applicant ended with the suggestion there was a linking claim between Groups 3 and 4. Claim 871 came up in the discussion and I have placed it with Group 1 because the features of the claim when considered as a whole are most similar to the originally filed claims.

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 09/26/2007

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER	
WINDER, PATRICE L	

ART UNIT	PAPER NUMBER
2145	

MAIL DATE	DELIVERY MODE
09/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

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MN

Interview Summary	Application No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice Winder	2145	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Patrice Winder*. (3)_____.

(2) *Peter Trzyna*. (4)_____.

Date of Interview: *14 August 2007*.

Type: a)☒ Telephonic b)☐ Video Conference
c)☐ Personal [copy given to: 1)☐ applicant 2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☐ No.
If Yes, brief description: _____.

Claim(s) discussed: _____.

Identification of prior art discussed: _____.

Agreement with respect to the claims f)☒ was reached. g)☐ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *See Continuation Sheet*.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

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Patrice L. Winder

PATRICE WINDER
PRIMARY EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Petitioner Microsoft Corporation, Ex. 1002, p. 2899

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The purpose of this interview was to follow up the interview on August 9, 2007. After applicant was able to review the restriction requirement suggested on August 9. Particularly, claim 871 should be associated with Group 1. Claim 949 should be associated with Group 2, however, the examiner would consider a traversal by applicant. Claims 953 and 958 should be associated with Group 3 because censoring and using permissions would be searched together. Applicant is prepared to elect Group 3 .

PTO/SB/30/EFS (08-07)
Approved for use through 08/30/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	09/392,578	Filing Date	Sept. 20, 1999	Docket Number (if applicable)	AIS-P1-89	Art Unit	2145
First Named Inventor	MARKS, Daniel L.			Examiner Name	WINDER, Patrice L.		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☐ Other _____

☒ Enclosed

☒ Amendment/Reply

☒ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☒ Other Petition for Extension of Time; Claim Charts

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

☒ The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 50-0925

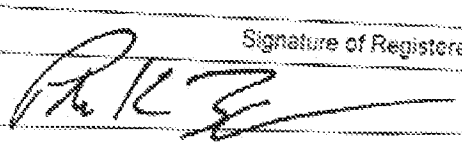
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/00EFS (05-07)
Approved for use through 06/30/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Signature of Registered U.S. Patent Practitioner			
Signature		Date (YYYY-MM-DD)	2007-08-15
Name	Peter K. Trzyna, Esq.	Registration Number	32601

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/08A (08-03)
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	Marks, Daniel L.
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No.[1]	Document Number Number Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	5,613,056	03/18/1997	Gasper, et al.	
	A2	5,617,539	04/01/1997	Ludwig, et al.	
	A3	5,627,978	05/06/1997	Altom, et al.	
	A4	5,682,469	10/28/1997	Linnett, et al.	
	A5	5,713,019	01/27/1998	Keaten	
	A6	5,721,763	02/24/1998	Joseph, et al.	
	A7	5,729,684	05/17/1998	Kuzma	
	A8	5,754,775	05/19/1998	Adamson, et al.	
	A9	5,784,568	07/21/1998	Needham	
	A10	5,794,006	08/11/1998	Sanderman	
	A11	5,794,210	08/11/1998	Goldhaber, et al.	
	A12	5,801,700	09/01/1998	Ferguson	
	A13	5,802,281	09/01/1998	Clapp, et al.	
	A14	5,822,523	10/13/1998	Rothschild, et al.	
	A15	5,850,442	12/15/1998	Muftic	
	A16	5,880,731	03/09/1999	Liles, et al.	
	A17	5,889,843	03/30/1999	Singer, et al.	
	A18	5,924,082	07/13/1999	Silverman, et al.	
	A19	5,933,599	08/03/1999	Nolan	
	A20	5,941,947	08/24/1999	Brown, et al.	
	A21	5,974,409	10/26/1999	Sanu, et al.	
	A22	5,987,401	11/16/1999	Trudeau	
	A23	6,692,359	02/17/2004	Williams, et al.	
	A24	4,710,917	12/01/1987	Tompkins, et al.	
	A25	4,953,159	08/28/1990	Hayden, et al.	
	A26	5,195,086	03/16/1993	Baumgartner, et al.	
	A27	5,257,306	10/26/1993	Watanabe	
	A28	5,347,306	09/13/1994	Nitta	
	A29	5,465,370	11/07/1995	Ito, et al.	
	A30	5,471,318	11/28/1995	Ahuja, et al.	
	A31	5,491,743	02/13/1996	Shiio, et. al.	
	A32	5,572,248	11/05/1996	Allen, et al.	
	A33	5,572,643	11/05/1996	Judson	

EXAMINER SIGNATURE	DATE CONSIDERED	

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Sheet 2 Of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

U.S. PATENT DOCUMENTS

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	A34	5,592,478	01/07/1997	Weiss	
	A35	5,440,624	08/08/1995	Schoof, II	
	A36	5,774,668	06/30/1998	Choquier, et al.	
	A37	5,799,151	08/25/1998	Hoffer	
	A38	5,812,552	09/22/1998	Arora, et al.	
	A39	5,826,085	10/20/1998	Bennett, et al.	
	A40	5,933,599	08/03/1999	Nolan	
	A41	5,956,509	09/21/1999	Kevner	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

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	A42	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Complaint" filed 6/24/2004.
	A43	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Notice of Claim Involving a Patent" filed 6/24/2004.
	A44	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "First Amended Answer to the Complaint, and Counterclaim of Defendant America Online, Inc." filed 9/14/2004
	A45	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "Plaintiff's Reply to the First Amended Counterclaim of Defendant America Online, Inc." filed 9/28/2004.
	A46	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated April 29, 2005.

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First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

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	A47	*Windy City Innovations, LLC v. America Online, Inc.*, Civil Action No. 04 C 4240, "AOL's Second Supplemental Response to Plaintiff Windy City Innovations, LLC's First Set of Interrogatories (No. 4)" dated May 20, 2005.
	A48	NETSCAPE, "Netscape Power Pack Bookmarks, Chat, and Multimedia Add-Ons". (AOL 613167-613172)
	A49	NETSCAPE, "Netscape Announces Add-On Product Suite for Popular Netscape Navigator Software, Netscape Power Pack Includes Netscape SmartMarks, Netscape Chat and Multimedia Add-On Applications From Adobe, Apple, and Progressive Networks" Press Release, 05/11/2005, pp. 1-3. (AOL 613244-613246)
	A50	PR NEWSWIRE ASSOC., INC. "Netscape Announces Add-On Product Suite For Popular Netscape Navigator™ Software" Article, 10/25/1999, pp. 1-2. (AOL 613247-613248)
	A51	NETSCAPE, "Netscape Chat Help Contents" Manual. (AOL 613173-613243)
	A52	WIRED CHANNELING "Tips for Foiling the NSA" Article, 01/1996, pg. 174. (AOL 469104-469105)
	A53	FLASH NEWS "Market Support News, Jacksonville Update" Article, 05/19/1995, pp. 1-4, (AOL 469106-469109)
	A54	PALFREYMAN, et al., "A Protocol for User Awareness on the World Wide Web", Article, 1996, pp. 130-139. (AOL 469110-469119)
	A55	ROBINETT, "Interactivity and Individual Viewpoint in Shared Virtual Worlds: The Big Screen vs. Networked Personal Displays". Article, Computer Graphics, Vol. 28, No. 2, 05/1994, pp. 127-130. (AOL 074871-074874)
	A56	OHYA, et al., "Real-Time Reproduction of 3D Human Images in Virtual Space Teleconferencing", Article, pp. 408-414. (AOL 074875-074881)
	A57	FUKUDA, et al., "Hypermedia Personal Computer Communication System : Fujitsu Habitat", Fujitsu Sci. Tech. J., 10/1990, Vol. 26, No. 3, pp. 197-206. (AOL 074882-074893)
	A58	CARLSSON, "DIVE – a Multi-User Virtual Reality System", Article, IEEE 1993, pp. 394-400. (AOL 074894-074900)
	A59	BENFORD, et al., "Supporting Cooperative Work in Virtual Environments", The Computer Journal, Vol. 37, No. 8, 1994, pp. 653-668. (AOL 074901-074916)
	A60	FARALLON COMPUTING, INC., "Timbuktu™ User's Guide, Manual, pp. 1-98. (AOL 074917-075026
	A61	BERLAGE, et al., "A Framework For Shared Applications With a Replicated Architecture". Article, 11/3-5/1993, pp. 249-257. (AOL 075027-075035)
	A62	SOHLENKAMP, "A Virtual Office Environment Supporting Shared Applications", Article, 02/7-11/1994. (AOL 075036-075044)

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Sheet 4 Of 8

Complete if Known	
Application Number	09/389,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A63	FARALLON COMPUTING, INC., "Timbuktu/Remote™ User's Guide", Article, pp. 6-8. (AOL 075063- 075066)
	A64	GAJEWSKA, et al., "Argo: A System for Distributed Collaboration", Article, pp. 1-12. (AOL 075080-075091)
	A65	HANDLEY, et al., "CCCP: Conference Control Channel Protocol A Scalable Base for Building Conference Control Applications", pp. 1-18. (AOL 075092-075109)
	A66	BAHR, et al., "Multimedia Conferencing in a Packet Switched Environment", Article. (AOL 075110-075113)
	A67	SASSE, et al., "Multimedia Conferencing over the Internet, The MICE Project", Article, pp. 1-17. (AOL 075114-075130)
	A68	SASSE, et al., "Interacting with Multi-media, Multi-user Systems: Observations on Multi-Media Conferencing Tools", Article. (AOL 075131-075144)
	A69	HANDLEY, et al., "The Conference Control Channel Protocol (CCCP): A Scalable Base for Building Conference Control Applications", Article, 1995, pp. 275-287. (AOL 075145-075157)
	A70	SASSE, et al., "Remote Seminars through Multimedia Conferencing: Experiences from the MICE Project", Article, Proc. INET '94/JENC5, pp. 1-8. (AOL 075158-075165)
	A71	HANDLEY, et al., "Multimedia Integrated Conferencing for European Researchers (MICE): Piloting Activities and the Conference Management and Multiplexing Centre", Article, pp. 1-14. (AOL 075183-075196)
	A72	KIRSTEIN, et al., "Piloting of Multimedia Integrated Communications for European Researchers (MICE)", Article, Proc INET '93, pp. 1-12. (AOL 075197-075208)
	A73	KIRSTEIN, et al., "Recent Activities in the MICE Conferencing Project", Article, Proc. INET '95. (AOL 075209-075218)
	A74	TURLETTI, "The INRIA Videoconferencing System", Article, pp. 1-7. (AOL 075219-075225)
	A75	BAHR, et al., "Incorporating Security Functions in Multimedia Conferencing Applications in the Context of the MICE Project", Article. (AOL 075226-075233)
	A76	BILTING, et al., "International Research Seminars through Multimedia conferencing. Experiences from the MICE Project", Article. (AOL 075234-075237)
	A77	SASSE, et al., "Multimedia Conferencing Over The Internet: The MICE Project and Tools", Article, pp. 1-11. (AOL 075238-075248)
	A78	SASSE, et al., "Remote Seminars through Multimedia Conferencing: Experiences from the MICE Project", Article, Proc. INET '94/JENC5. (AOL 075249-075260)
	A79	CLAYMAN, et al., "The Interworking of Internet and ISDN Networks for Multimedia Conferencing", Article, pp. 1-28. (AOL 075261-075288)
	A80	BYTE, "Network and Windows 95 Take Top BYTE Awards", Article, July 1995. (AOL 055731-055732)

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Sheet 5 Of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

Examiner Initials*	Cite No.[1]	OTHER ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	A81	COMPUSERVE, "CompuServe Producer User Guide", Article, 04/19/1995, pp. 1-36. (AOL 055743-055779)
	A82	REESE, et al., "Online with Start Kesmai Air Warrior", Article. (AOL 055780-055781)
	A83	MAWBY, "Designing Collaborative Writing Tools", Article, 1991, pp. 1-191. (AOL 074678-074870)
	A84	DONATH, "The Illustrated Conversation", Article, 1995, pp. 79-88. (AOL 052115-052124)
	A85	DONATH, "Sociable Information Spaces", Article, 06/20-22/1995, pp. 269-273. (AOL 052127-052131)
	A86	MASINTER, "Collaborative Information Retrieval: Gopher from MOO", Article, Proc. INET '93. (AOL 052153-052161)
	A87	ROSEMAN, et. al., "TeamRooms: Groupware for Shared Electronic Spaces", Article. (AOL 052162-052163)
	A88	ROSEMAN, "Managing Complexity in TeamRooms, a Tcl-Based Internet Groupware Application", Article. (AOL 052164-052171)
	A89	ROSEMAN, et. al., "TeamRooms: Network Places for Collaboration", Article. (AOL 052172-052180)
	A90	CURTIS, "Mudding: Social Phenomena in Text-Based Virtual Realities", Article, 03/03/1992, pp. 1-21. (AOL 052181-052201)
	A91	NICHOLS, et. al., "High-Latency, Low-Bandwidth Windowing in the Jupiter Collaboration System", Article, UIST '95, 11/14-17/1995, pp. 111-120. (AOL 052202-052211)
	A92	CURTIS, et. al , "The Jupiter Audio/Video Architecture: Secure Multimedia in Network Places", Article, 1995, pp. 1-12. (AOL 052212-052223)
	A93	CRAMPTON, "MUSK – a Multi-User Sketch Program", Article, pp. 17-29. (AOL 052224-052236)
	A94	BONFIGLIO, et al., "Conference Toolkit: A Framework for Real-Time Conferencing", Article, pp. 303-316. (AOL 052237-052250)
	A95	LEE, "Xsketch: A Multi-User Sketching Tool For X11", Article, 1990, pp. 169-173. (AOL 052251-052255)
	A96	AHUJA, et al., "Supporting Multi-Phase Groupware Over Long Distances", Article, 1989 IEEE, pp. 1227-1231. (AOL 052256-052260)
	A97	AHUJA, et al., "A Comparison of Application Sharing Mechanisms in Real-Time DeskTop Confererencing Systems", Article, pp. 238-248. (AOL 052261-052271)
	A98	PATTERSON, et al., "Rendezvous: An Architecture for Synchronous Multi-User Applications", Article, 10/1990, pp. 317-328. (AOL 052272-052283)
	A99	PATTERSON, "Comparing the Programming Demands of Single-User and Multi-User Applications", Article, UIST'91, 11/11-13/1991, pp. 87-94. (AOL 052284-052291)

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Sheet 6 Of 8

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Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

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	A100	LU, et al., "Idea Management In a Shared Drawing Tool", Article, ECSCW 1991, pp. 97-112. (AOL 052292-052307)
	A101	LU, "Supporting Idea Management in a Shared Drawing Tool", Article, 1992, pp. 29-113. (AOL 052308-052364)
	A102	WEXELBLAT, "Building Collaborative Interfaces", Article, 05/1991, pp. 1-40. (AOL 052365-052405)
	A103	WATABE, et al., "Distributed Desktop Conferencing System with Multiuser Multimedia Interface", Article, 1991 IEEE, pp. 531-539. (AOL 052406-052414)
	A104	WATABE, et al., "Distributed Multiparty Desktop Conferencing System: MERMAID", Article, 10/1990, pp. 27-38. (AOL 052415-052426)
	A105	HORN, et al., "An ISDN Multimedia Conference Bridge", Article, 1990 IEEE, pp. 853-856. (AOL 052427-052430)
	A106	AHUJA, et al., "Coordination and Control of Multimedia Conferencing", Communications Magazine, IEEE, 05/1992, Vol. 30, Iss. 5, pp. 38-43. (AOL 052431-052436)
	A107	ENSOR, et al., "The Rapport Multimedia Conferencing System-A Software Overview", Article, Proc. 2nd IEEE, 03/1998, pp. 52-58. (AOL 052437-052443)
	A108	GREENBERG, "Personalizable Groupware: Accomodating Individual Roles and Group Differences", Article, ECSCW 1991, pp. 17-32. (AOL 052444-052459)
	A109	GREENBERG, "Sharing Views and Interactions With Single-User Applications", Article, 04/1990, pp. 227-237. (AOL 052460-052470)
	A110	SARIN, et al., "Software for Interactive On-Line Conferences", Article, 1984, pp. 46-58. (AOL 052471-052484)
	A111	BLY, et al., "Media Spaces: Bringing People Together in a Video, Audio, and Computing Environment", Article, 01/1993, Vol. 36, No. 1, pp. 28-47. (AOL 052486-052505)
	A112	NCSA, "The Second International WWW Conference '94 Mosaic and the Web", 07/14/1994. (AOL 052506-052509)
	A113	FRIVOLD, et al., "Extending WWW for Synchronous Collaboration", Article. (AOL 052510-052518)
	A114	"Channel List for Meeting DSTC YarnDemo", Article. (AOL 052523-052530)
	A115	DONATH, et al., "The Social Web", Article. (AOL 052531-052534)
	A116	GOLDBERG, et al. "Beyond the Web: Excavating the Real World Via Mosaic", Article (AOL 052535-052546)
	A117	WEYMOUTH, et al., "The Upper Atmospheric Research Collaboratory UARC", Article (AOL 052547-052552)
	A118	SCHARF, et al., "Using Mosaic for Remote Test System Control Supports Distributed Engineering", Article. (AOL 052553-052561)

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OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A119	FREGA, et al., "A Multimedia Bulletin Board in WWW Environment", Article. (AOL 052567-052574)
	A120	HORN, et al., "An ISDN Multimedia Conference Bridge", Article, IEEE Region 10, 09/1990, pp. 853-856. (AOL 052575-052578)
	A121	TANG, et al., "Montage: Providing Teleproximity for Distributed Groups", Article, 04/24-28/1994, pp. 37-43. (AOL 052579-052585)
	A122	PEARL, "System Support for Integrated Desktop Video Conferencing", Article, 12/1992, pp. 1-14. (AOL 052586-052600)
	A123	CHANG, et al., "Group Coordination in Participant Systems", Article, 05/1990, pp. 589-599. (AOL 052601-052611)
	A124	ENSOR, et al., "User Interfaces For Multimedia Multiparty Communications", Article, 1993 IEEE, pp. 1165-1171. (AOL 052612-052618)
	A125	TANG, et al., "Supporting Distributed Groups with a Montage of Lightweight Interactions", Article, 1994, pp. 23-34. (AOL 052619-052630)
	A126	BRINCK, et al., "A Collaborative Medium for the Support of Conversational Props", Article, 11/1992, pp. 171-178. (AOL 052636-052643)
	A127	GRAHAM, et al., "Relational Views as a Model for Automatic Distributed Implementation of Multi-User Applications", Article, 11/1992, pp. 59-66. (AOL 052644-052651)
	A128	REIN, et al., "rIBIS: A Real-Time Group Hypertext System", Article, 1991, pp. 349-367. (AOL 052652-052670)
	A129	GIBBS, "LIZA: An Extensible Groupware Toolkit", Article, 1989, pp. 29-35. (AOL 052671-052677)
	A130	CLARK, "Multipoint Multimedia Conferencing", Article, 05/1992 IEEE, pp. 44-50. (AOL 052678-052684)
	A131	WOLF, et al., "We-Met (Window Environment-Meeting Enhancement Tools)", Article, pp. 441-442. (AOL 052695-052696)
	A132	HILL, et al., "The Rendezvous Language and Architecture", Article, 01/1993, Vol. 36, No. 1, pp. 62-67. (AOL 052697-052702)
	A133	HILL, et al., "The Rendezvous Architecture and Language for Constructing Multiuser Applications," ACM Transactions on Computer-Human Interaction, 06/1994, Vol. 1, No. 2, pp. 81-125 (AOL 052703-052747)
	A134	WOO, et al., "A Synchronous Collaboration Tool for World-Wide Web," Distributed Systems Technology Centre, The University of Queensland, Queensland 4072 (AOL 052519-052530)

EXAMINER	DATE CONSIDERED

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 8 Of 8

Complete if Known	
Application Number	09/399,578
Filing Date	09/20/1999
First Named Inventor	2155
Group Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A135	BUXTON, et al., "Europarc's Integrated Interactive Intermedia Facility (IIIF): Early Experiences", In S. Gibbs & A.A. Verrijn-Stuart (Eds.), *Multiuser interfaces and applications, Proceedings of the IFIP WG 8.4 Conference on Multi-user Interfaces and Applications*, Heraklion, Crete. Amsterdam: Elsevier Science Publishers B.V. (North-Holland), 11-34. (AOL 052756-052764)
	A136	SOHLENKAMP, et al., "Integrating Communication, Cooperation, and Awareness: The DIVA Virtual Office Environment," Article, pp. 331-343. (AOL 052765-052777)
	A137	KRISHNAMURTHY, et al., "Yeast: A General Purpose Event-Action System," IEEE Transactions on Software Engineering, Vol. 21, No. 10, October 1995. (AOL 052778-052790)
	A138	LÖVSTRAND, et al., "Being Selectively Aware with the Khronika System," Proceedings of the Second European Conference on Compuber-Supported Cooperative Work, September 25-57, 1991, Amsterdam, The Netherlands, pp. 265-277. (AOL 052791-052803)
	A139	DOURISH, et al., "Portholes: Supporting Awareness in a Distributed Work Group," Chi '92, May 3-7, 1992, pp. 541-547. (AOL052804-052810)
	A140	GAVER, et al., "Realizing a Video Environment: Europarc's Rave System," Chi '92, May 3-7, 1992, pp. 27-35. (AOL 052811-052819)
	A141	BORNING, et al., "Two Approaches to Casual Interaction Over Computer and Video Networks," pp. 13-19. (AOL 052820-052826)

EXAMINER	DATE CONSIDERED

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[1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Electronic Patent Application Fee Transmittal

Application Number:	09399578
Filing Date:	20-Sep-1999
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Filer:	Peter K. Trzyna
Attorney Docket Number:	AIS-P99-1

Filed as Large Entity

Utility Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 1 month with $0 paid	1251	1	120	120

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for continued examination	1801	1	790	790
		Total in USD ($)		**910**

Electronic Acknowledgement Receipt

EFS ID:	2088136
Application Number:	09399578
International Application Number:	
Confirmation Number:	2427
Title of Invention:	REAL TIME COMMUNICATIONS SYSTEM
First Named Inventor/Applicant Name:	DANIEL L. MARKS
Correspondence Address:	PETER K TRZYNA P.O.BOX 7131 - - CHICAGO IL 606807131 US - -
Filer:	Peter K. Trzyna
Filer Authorized By:	
Attorney Docket Number:	AIS-P99-1
Receipt Date:	15-AUG-2007
Filing Date:	20-SEP-1999
Time Stamp:	18:28:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	$910
RAM confirmation Number	3858

Deposit Account	500235
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 and 1.17	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	AISP199trans.pdf	49737 c3e58057fab37f9ccdab03ef11bc9579d651df52	no	2
Warnings:					
Information:					
2	Amendment Submitted/Entered with Filing of CPA/RCE	AISP199amendmentrce.pdf	370188 a9eb394d8d282eaee3f612f7c3d3e26a9a6cb682	no	171
Warnings:					
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3	Extension of Time	AISP199petforext.pdf	49667 933262dccdf3dc045680df537bfe9968ffe3215e	no	2
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5	Information Disclosure Statement Letter	AISP199ids1.pdf	13488 b5c0c4b8c4e0309f5da9088b3546d188d65ee6c4	no	1
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7	Request for Continued Examination (RCE)	AISP199rcetrans.pdf	342817 a2585fcddee3d7b8909a77938e54e1396c193afe	no	2
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8	Information Disclosure Statement Letter	AISP199ids.pdf	238965 35944d7f2c05e6a7bbfa82a6676076a243e3b748	no	8
Warnings:					
Information:					
9	Fee Worksheet (PTO-06)	fee-info.pdf	8297 e29d1042baa8e31f16ee2baa2a77cfd16db6cb0c	no	2
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			Total Files Size (in bytes):	1239841	

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New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	REAL TIME COMMUNICATION SYSTEM
Group Art Unit	:	2145
Examiner	:	WINDER, Patrice L.

MS: RCE
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application is the following:

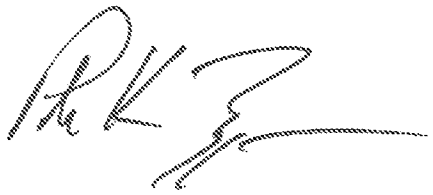
1. Request for Continued Examination (RCE) Transmittal:
2. Amendment and Response;
3. Claim Charts;
4. Information Disclosure Statement Forms (3 of them); and
5. Petition for Extension of Time.

APPLICANT CLAIMS LARGE ENTITY STATUS. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application

or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,



Date: August 15, 2007

Peter K. Trzyna
(Reg. No. 32,601)

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Chicago, Illinois 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 2917

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

MS: RCE
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE

S I R :

Please enter the following Amendment and Response in response to the Office Action mailed June 15, 2007, and in connection with the Request for Continued Examination enclosed herewith, in the above-referenced patent application, and please reconsider the application in view of the above. It is believed that no new matter has been added.

I. Amendment

A. In the claims

Please amend the claims as follows:

1. (Previously presented) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system, each of the plurality of computers connected to a respective input device and to a respective output device;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing at least one of a pointer, video, audio, a graphic, or multimedia; and

if the first and the second user identities are able to form the group, forming the group for sending the communications, and receiving the communications that are not censored based on the individual user identity, wherein the receiving is in real time and via the Internet network, and not presenting the data that is censored to the corresponding output device.

2. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer.

3. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is

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censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video.

4. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing audio.

5. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a graphic.

6. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing multimedia.

7. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video.

8. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is

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censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and audio.

9. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and a graphic.

10. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video and audio.

11. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video and a graphic.

12. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing audio and a graphic.

13. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is

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censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video and audio.

14. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and video and a graphic.

15. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer and audio and a graphic.

16. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the second user identity, individually, is censored from data representing video and audio and a graphic.

17. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether at least one of the first user identity and the

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second user identity, individually, is censored from data representing a pointer and video and audio and a graphic.

18. (Previously presented) The method of claim 1, wherein at least some of the communications include at least one of text or ascii.

19. (Previously presented) The method of claim 2, wherein at least some of the communications include at least one of text or ascii.

20. (Previously presented) The method of claim 3, wherein at least some of the communications include at least one of text or ascii.

21. (Previously presented) The method of claim 4, wherein at least some of the communications include at least one of text or ascii.

22. (Previously presented) The method of claim 5, wherein at least some of the communications include at least one of text or ascii.

23. (Previously presented) The method of claim 6, wherein at least some of the communications include at least one of text or ascii.

24. (Previously presented) The method of claim 7, wherein at least some of the communications include at least one of text or ascii.

25. (Previously presented) The method of claim 8, wherein at least some of the

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communications include at least one of text or ascii.

26. (Previously presented) The method of claim 9, wherein at least some of the communications include at least one of text or ascii.

27. (Previously presented) The method of claim 10, wherein at least some of the communications include at least one of text or ascii.

28. (Previously presented) The method of claim 11, wherein at least some of the communications include at least one of text or ascii.

29. (Previously presented) The method of claim 12, wherein at least some of the communications include at least one of text or ascii.

30. (Previously presented) The method of claim 13, wherein at least some of the communications include at least one of text or ascii.

31. (Previously presented) The method of claim 14, wherein at least some of the communications include at least one of text or ascii.

32. (Previously presented) The method of claim 15, wherein at least some of the communications include at least one of text or ascii.

33. (Previously presented) The method of claim 16, wherein at least some of the communications include at least one of text or ascii.

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34. (Previously presented) The method of claim 17, wherein at least some of the communications include at least one of text or ascii.

35. (Previously presented) The method of claim 1, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

36. (Previously presented) The method of claim 2, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

37. (Previously presented) The method of claim 3, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

38. (Previously presented) The method of claim 4, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a

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pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

39. (Previously presented) The method of claim 5, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

40. (Previously presented) The method of claim 6, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

41. (Previously presented) The method of claim 7, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

42. (Previously presented) The method of claim 8, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

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sending the data that is not censored from sending.

43. (Previously presented) The method of claim 9, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

44. (Previously presented) The method of claim 10, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

45. (Previously presented) The method of claim 11, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

46. (Previously presented) The method of claim 12, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

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47. (Previously presented) The method of claim 13, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

48. (Previously presented) The method of claim 14, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

49. (Previously presented) The method of claim 15, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

50. (Previously presented) The method of claim 16, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

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51. (Previously presented) The method of claim 17, further including:

determining whether at least one of the first and the second user identities, individually, is censored from sending in the communications data representing at least one of a pointer, video, a graphic, or multimedia; and

sending the data that is not censored from sending.

52. (Previously presented) The method of claim 1, further including determining whether at least one of the communications is censored based on content.

53. (Previously presented) The method of claim 2, further including determining whether at least one of the communications is censored based on content.

54. (Previously presented) The method of claim 3, further including determining whether at least one of the communications is censored based on content.

55. (Previously presented) The method of claim 4, further including determining whether at least one of the communications is censored based on content.

56. (Previously presented) The method of claim 5, further including determining whether at least one of the communications is censored based on content.

57. (Previously presented) The method of claim 6, further including determining whether at least one of the communications is censored based on content.

58. (Previously presented) The method of claim 7, further including

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determining whether at least one of the communications is censored based on content.

59. (Previously presented) The method of claim 8, further including determining whether at least one of the communications is censored based on content.

60. (Previously presented) The method of claim 9, further including determining whether at least one of the communications is censored based on content.

61. (Previously presented) The method of claim 10, further including determining whether at least one of the communications is censored based on content.

62. (Previously presented) The method of claim 11, further including determining whether at least one of the communications is censored based on content.

63. (Previously presented) The method of claim 12, further including determining whether at least one of the communications is censored based on content.

64. (Previously presented) The method of claim 13, further including determining whether at least one of the communications is censored based on content.

65. (Previously presented) The method of claim 14, further including determining whether at least one of the communications is censored based on content.

66. (Previously presented) The method of claim 15, further including determining whether at least one of the communications is censored based on content.

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67. (Previously presented) The method of claim 16, further including determining whether at least one of the communications is censored based on content.

68. (Previously presented) The method of claim 17, further including determining whether at least one of the communications is censored based on content.

69. (Previously presented) The method of claim 52, further including determining a user age corresponding to each of the user identities.

70. (Previously presented) The method of claim 53, further including determining a user age corresponding to each of the user identities.

71. (Previously presented) The method of claim 54, further including determining a user age corresponding to each of the user identities.

72. (Previously presented) The method of claim 55, further including determining a user age corresponding to each of the user identities.

73. (Previously presented) The method of claim 56, further including determining a user age corresponding to each of the user identities.

74. (Previously presented) The method of claim 57, further including determining a user age corresponding to each of the user identities.

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75. (Previously presented) The method of claim 1, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

76. (Previously presented) The method of claim 2, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

77. (Currently amended) The method of claim 3, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

78. (Previously presented) The method of claim 4, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

79. (Previously presented) The method of claim 5, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

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80. (Previously presented) The method of claim 6, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

81. (Previously presented) The method of claim 7, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

82. (Previously presented) The method of claim 8, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

83. (Previously presented) The method of claim 9, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

84. (Previously presented) The method of claim 10, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

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85. (Previously presented) The method of claim 11, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from data includes determining whether a parameter corresponding to the first user identity has been determined by an other of the user identities.

86. (Previously presented) The method of claim 1, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

87. (Previously presented) The method of claim 2, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

88. (Previously presented) The method of claim 3, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

89. (Previously presented) The method of claim 4, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

90. (Previously presented) The method of claim 5, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

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91. (Previously presented) The method of claim 6, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

92. (Previously presented) The method of claim 7, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

93. (Previously presented) The method of claim 8, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

94. (Previously presented) The method of claim 9, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

95. (Previously presented) The method of claim 10, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

96. (Previously presented) The method of claim 11, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

97. (Previously presented) The method of claim 12, wherein the determining

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whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

98. (Previously presented) The method of claim 13, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

99. (Previously presented) The method of claim 14, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

100. (Previously presented) The method of claim 15, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

101. (Previously presented) The method of claim 16, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

102. (Previously presented) The method of claim 17, wherein the determining whether the first of the user identities and the second of the user identities are able to form a group includes determining whether the first of the user identities is censored.

103. (Previously presented) The method of claim 1, further including determining a user age corresponding to each of the user identities.

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104. (Previously presented) The method of claim 2, further including determining a user age corresponding to each of the user identities.

105. (Previously presented) The method of claim 3, further including determining a user age corresponding to each of the user identities.

106. (Previously presented) The method of claim 4, further including determining a user age corresponding to each of the user identities.

107. (Previously presented) The method of claim 5, further including determining a user age corresponding to each of the user identities.

108. (Previously presented) The method of claim 6, further including determining a user age corresponding to each of the user identities.

109. (Previously presented) The method of claim 7, further including determining a user age corresponding to each of the user identities.

110. (Previously presented) The method of claim 8, further including determining a user age corresponding to each of the user identities.

111. (Previously presented) The method of claim 9, further including determining a user age corresponding to each of the user identities.

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112. (Previously presented) The method of claim 10, further including determining a user age corresponding to each of the user identities.

113. (Previously presented) The method of claim 11, further including determining a user age corresponding to each of the user identities.

114. (Previously presented) The method of claim 12, further including determining a user age corresponding to each of the user identities.

115. (Previously presented) The method of claim 13, further including determining a user age corresponding to each of the user identities.

116. (Previously presented) The method of claim 14, further including determining a user age corresponding to each of the user identities.

117. (Previously presented) The method of claim 15, further including determining a user age corresponding to each of the user identities.

118. (Previously presented) The method of claim 16, further including determining a user age corresponding to each of the user identities.

119. (Previously presented) The method of claim 17, further including determining a user age corresponding to each of the user identities.

120. (Previously presented) The method of claim 1, wherein the data represents

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a pointer that produces a pointer-triggered message on demand.

121. (Previously presented) The method of claim 2, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

122. (Previously presented) The method of claim 7, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

123. (Previously presented) The method of claim 8, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

124. (Previously presented) The method of claim 9, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

125. (Previously presented) The method of claim 13, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

126. (Previously presented) The method of claim 14, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

127. (Previously presented) The method of claim 15, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

128. (Previously presented) The method of claim 17, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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129. (Previously presented) The method of claim 18, wherein the data represents a pointer that produces a pointer-triggered message on demand.

130. (Previously presented) The method of claim 19, wherein the data represents a pointer that produces a pointer-triggered message on demand.

131. (Previously presented) The method of claim 24, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

132. (Previously presented) The method of claim 25, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

133. (Previously presented) The method of claim 26, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

134. (Previously presented) The method of claim 30, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

135. (Previously presented) The method of claim 31, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

136. (Previously presented) The method of claim 32, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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137. (Previously presented) The method of claim 34, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

138. (Previously presented) The method of claim 35, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

139. (Previously presented) The method of claim 36, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

140. (Previously presented) The method of claim 41, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

141. (Previously presented) The method of claim 42, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

142. (Previously presented) The method of claim 43, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

143. (Previously presented) The method of claim 47, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on

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demand.

144. (Previously presented) The method of claim 48, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

145. (Previously presented) The method of claim 49, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

146. (Previously presented) The method of claim 51, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

147. (Previously presented) The method of claim 52, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

148. (Previously presented) The method of claim 53, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

149. (Previously presented) The method of claim 58, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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150. (Previously presented) The method of claim 59, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

151. (Previously presented) The method of claim 60, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

152. (Previously presented) The method of claim 64, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

153. (Previously presented) The method of claim 65, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

154. (Previously presented) The method of claim 66, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

155. (Previously presented) The method of claim 68, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

156. (Previously presented) The method of claim 69, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

157. (Previously presented) The method of claim 70, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

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158. (Previously presented) The method of claim 75, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

159. (Previously presented) The method of claim 76, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

160. (Previously presented) The method of claim 77, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

161. (Previously presented) The method of claim 81, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

162. (Previously presented) The method of claim 82, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

163. (Previously presented) The method of claim 83, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

164. (Previously presented) The method of claim 85, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

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165. (Withdrawn) A method of operating a system to receive a communication via an Internet network, the method including:

connecting a plurality of computers to a computer system;

sending, from each of the plurality of computers, a respective login name and a password corresponding to a respective user identity;

communicating a message comprised of a pointer, from a first of the plurality of computers to the computer system;

communicating the message from the computer system to a second of the plurality of computers; and

receiving via the pointer a communication from the first of the plurality of computers at the second of the plurality of computers, the communication being sent in real time and via the Internet network, the communication including data representing at least one of video, a graphic, sound, or multimedia.

166. (Previously presented) The method of claim 86, wherein the data represents a pointer that produces a pointer-triggered message on demand.

167. (Previously presented) The method of claim 87, wherein the data represents a pointer that produces a pointer-triggered message on demand.

168. (Previously presented) The method of claim 92, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

169. (Previously presented) The method of claim 93, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

170. (Previously presented) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system;

sending, from each of the plurality of computers, a respective login name and password corresponding to a respective user identity;

determining whether a first of the user identities and a second of the user identities are able to form a group for sending and for receiving communications in real time;

determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data in the communications, the data representing at least one of a pointer, video, audio, a graphic or multimedia; and

if the first and the second user identities are able to form the group, then forming the group, sending the communications that are not censored based on the individual user identity, and receiving the communications, wherein the receiving is in real time and via the Internet network.

171. (Previously presented) The method of claim 94, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

172. (Previously presented) The method of claim 98, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

173. (Previously presented) The method of claim 99, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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174. (Previously presented) The method of claim 100, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

175. (Previously presented) The method of claim 102, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

176. (Previously presented) The method of claim 103, wherein the data represents a pointer that produces a pointer-triggered message on demand.

177. (Previously presented) The method of claim 104, wherein the data represents a pointer that produces a pointer-triggered message on demand.

178. (Previously presented) The method of claim 109, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

179. (Previously presented) The method of claim 110, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

180. (Previously presented) The method of claim 111, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

181. (Previously presented) The method of claim 115, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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182. (Previously presented) The method of claim 116, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

183. (Previously presented) The method of claim 117, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

184. (Previously presented) The method of claim 119, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

185. (Previously presented) The method of claim 1, wherein receiving the communications includes causing presentation of some of the communications by one of the plurality of computers in the group.

186. (Previously presented) The method of claim 1, further including, when the data is censored, not receiving the communications that are censored based on the individual user identity, and not presenting the data that is censored to the corresponding output device.

187. (Previously presented) The method of claim 1, wherein the computer system is comprised of an Internet service provider computer system.

188. (Previously presented) The method of claim 1, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at the output device corresponding to the second user identity.

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189. (Previously presented) The method of claim 1, further including:

providing the first user identity with access to a member-associated image corresponding to the second user identity.

190. (Previously presented) The method of claim 1, further including:

determining whether the first user identity is censored from access to a member-associated image corresponding to the second user identity;

if the first user identity is censored, not allowing access to the member-associated image; and

if the first user identity is not censored, allowing access to the member-associated image.

191. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer.

192. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video.

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193. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing audio.

194. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a graphic.

195. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing multimedia.

196. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video.

197. (Previously Presented) The method of claim 170, wherein the determining

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whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and audio.

198. (Previously Presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and a graphic.

199. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video and audio.

200. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing video and a graphic.

201. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is

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censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing audio and a graphic.

202. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video and audio.

203. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video and a graphic.

204. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and audio and a graphic.

205. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first

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user identity and the second user identity, individually, is censored from sending data representing video and audio and a graphic.

206. (Previously presented) The method of claim 170, wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data includes wherein the determining whether at least one of the first user identity and the second user identity, individually, is censored from sending data representing a pointer and video and audio and a graphic.

207. (Previously presented) The method of claim 170, wherein at least some of the communications include at least one of text or ascii.

208. (Previously Presented) The method of claim 191, wherein at least some of the communications include at least one of text or ascii.

209. (Previously Presented) The method of claim 192, wherein at least some of the communications include at least one of text or ascii.

210. (Previously Presented) The method of claim 193, wherein at least some of the communications include at least one of text or ascii.

211. (Previously Presented) The method of claim 194, wherein at least some of the communications include at least one of text or ascii.

212. (Previously Presented) The method of claim 195, wherein at least some of

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the communications include at least one of text or ascii.

213. (Previously Presented) The method of claim 196, wherein at least some of the communications include at least one of text or ascii.

214. (Previously Presented) The method of claim 197, wherein at least some of the communications include at least one of text or ascii.

215. (Previously Presented) The method of claim 198, wherein at least some of the communications include at least one of text or ascii.

216. (Previously presented) The method of claim 199, wherein at least some of the communications include at least one of text or ascii.

217. (Previously presented) The method of claim 200, wherein at least some of the communications include at least one of text or ascii.

218. (Previously presented) The method of claim 201, wherein at least some of the communications include at least one of text or ascii.

219. (Previously presented) The method of claim 202, wherein at least some of the communications include at least one of text or ascii.

220. (Previously presented) The method of claim 203, wherein at least some of the communications include at least one of text or ascii.

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221. (Previously presented) The method of claim 204, wherein at least some of the communications include at least one of text or ascii.

222. (Previously presented) The method of claim 205, wherein at least some of the communications include at least one of text or ascii.

223. (Previously presented) The method of claim 206, wherein at least some of the communications include at least one of text or ascii.

224. (Previously presented) The method of claim 170, further including determining whether at least one of the communications is censored based on content.

225. (Previously Presented) The method of claim 191, further including determining whether at least one of the communications is censored based on content.

226. (Previously Presented) The method of claim 192, further including determining whether at least one of the communications is censored based on content.

227. (Previously Presented) The method of claim 193, further including determining whether at least one of the communications is censored based on content.

228. (Previously Presented) The method of claim 194, further including determining whether at least one of the communications is censored based on content.

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229. (Previously Presented) The method of claim 195, further including determining whether at least one of the communications is censored based on content.

230. (Previously Presented) The method of claim 196, further including determining whether at least one of the communications is censored based on content.

231. (Previously Presented) The method of claim 197, further including determining whether at least one of the communications is censored based on content.

232. (Previously Presented) The method of claim 198, further including determining whether at least one of the communications is censored based on content.

233. (Previously presented) The method of claim 199, further including determining whether at least one of the communications is censored based on content.

234. (Previously presented) The method of claim 200, further including determining whether at least one of the communications is censored based on content.

235. (Previously presented) The method of claim 201, further including determining whether at least one of the communications is censored based on content.

236. (Previously presented) The method of claim 202, further including determining whether at least one of the communications is censored based on content.

237. (Previously presented) The method of claim 203, further including

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determining whether at least one of the communications is censored based on content.

238. (Previously presented) The method of claim 204, further including determining whether at least one of the communications is censored based on content.

239. (Previously presented) The method of claim 205, further including determining whether at least one of the communications is censored based on content.

240. (Previously presented) The method of claim 206, further including determining whether at least one of the communications is censored based on content

241. (Previously presented) The method of claim 170, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

242. (Previously Presented) The method of claim 191, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

243. (Previously Presented) The method of claim 192, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

244. (Previously Presented) The method of claim 193, wherein the determining whether the first user identity and the second user identity are able to form a group includes

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determining whether the first of the user identities is censored.

245. (Previously Presented) The method of claim 194, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

246. (Previously Presented) The method of claim 195, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

247. (Previously Presented) The method of claim 196, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

248. (Previously Presented) The method of claim 197, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

249. (Previously Presented) The method of claim 198, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

250. (Previously presented) The method of claim 199, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

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251. (Previously presented) The method of claim 200, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

252. (Previously presented) The method of claim 201, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

253. (Previously presented) The method of claim 202, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

254. (Previously presented) The method of claim 203, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

255. (Previously presented) The method of claim 204, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

256. (Previously presented) The method of claim 205, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

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257. (Previously presented) The method of claim 206, wherein the determining whether the first user identity and the second user identity are able to form a group includes determining whether the first of the user identities is censored.

258. (Previously presented) The method of claim 170, further including determining a user age corresponding to each of the user identities.

259. (Previously Presented) The method of claim 191, further including determining a user age corresponding to each of the user identities.

260. (Previously Presented) The method of claim 192, further including determining a user age corresponding to each of the user identities.

261. (Previously Presented) The method of claim 193, further including determining a user age corresponding to each of the user identities.

262. (Previously Presented) The method of claim 194, further including determining a user age corresponding to each of the user identities.

263. (Previously Presented) The method of claim 195, further including determining a user age corresponding to each of the user identities.

264. (Previously Presented) The method of claim 196, further including determining a user age corresponding to each of the user identities.

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265. (Previously Presented) The method of claim 197, further including determining a user age corresponding to each of the user identities.

266. (Previously Presented) The method of claim 198, further including determining a user age corresponding to each of the user identities.

267. (Previously presented) The method of claim 199, further including determining a user age corresponding to each of the user identities.

268. (Previously presented) The method of claim 200, further including determining a user age corresponding to each of the user identities.

269. (Previously presented) The method of claim 201, further including determining a user age corresponding to each of the user identities.

270. (Previously presented) The method of claim 202, further including determining a user age corresponding to each of the user identities.

271. (Previously presented) The method of claim 203, further including determining a user age corresponding to each of the user identities.

272. (Previously presented) The method of claim 204, further including determining a user age corresponding to each of the user identities.

273. (Previously presented) The method of claim 205, further including

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determining a user age corresponding to each of the user identities.

274. (Previously presented) The method of claim 206, further including determining a user age corresponding to each of the user identities.

275. (Previously presented) The method of claim 170, wherein at least one of the communications includes data representing a human communication of sound.

276. (Previously Presented) The method of claim 191, wherein at least one of the communications includes data representing a human communication of sound.

277. (Previously Presented) The method of claim 192, wherein at least one of the communications includes data representing a human communication of sound.

278. (Previously Presented) The method of claim 193, wherein at least one of the communications includes data representing a human communication of sound.

279. (Previously Presented) The method of claim 194, wherein at least one of the communications includes data representing a human communication of sound.

280. (Previously Presented) The method of claim 195, wherein at least one of the communications includes data representing a human communication of sound.

281. (Previously Presented) The method of claim 196, wherein at least one of the communications includes data representing a human communication of sound.

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282. (Previously Presented) The method of claim 197, wherein at least one of the communications includes data representing a human communication of sound.

283. (Previously Presented) The method of claim 198, wherein at least one of the communications includes data representing a human communication of sound.

284. (Previously presented) The method of claim 199, wherein at least one of the communications includes data representing a human communication of sound.

285. (Previously presented) The method of claim 200, wherein at least one of the communications includes data representing a human communication of sound.

286. (Previously presented) The method of claim 201, wherein at least one of the communications includes data representing a human communication of sound.

287. (Previously presented) The method of claim 202, wherein at least one of the communications includes data representing a human communication of sound.

288. (Previously presented) The method of claim 203, wherein at least one of the communications includes data representing a human communication of sound.

289. (Previously presented) The method of claim 204, wherein at least one of the communications includes data representing a human communication of sound.

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290. (Previously presented) The method of claim 205, wherein at least one of the communications includes data representing a human communication of sound.

291. (Previously presented) The method of claim 206, wherein at least one of the communications includes data representing a human communication of sound.

292. (Cancelled) ~~The method of claim 170, wherein at least one of the communications includes at least one of text or ascii.~~

293. (Cancelled) ~~The method of claim 191, wherein at least one of the communications includes at least one of text or ascii~~.

294. (Cancelled) ~~The method of claim 192, wherein at least one of the communications includes at least one of text or ascii~~.

295. (Cancelled) ~~The method of claim 193, wherein at least one of the communications includes at least one of text or ascii~~.

296. (Cancelled) ~~The method of claim 194, wherein at least one of the communications includes at least one of text or ascii~~.

297. (Cancelled) ~~The method of claim 195, wherein at least one of the communications includes at least one of text or ascii.~~

298. (Cancelled) ~~The method of claim 196, wherein at least one of the~~

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~~communications includes at least one of text or ascii.~~

299. (Cancelled) The method of claim 197, wherein at least one of the communications includes at least one of text or ascii.

300. (Cancelled) ~~The method of claim 198, wherein at least one of the communications includes at least one of text or ascii.~~

301. (Cancelled) ~~The method of claim 199, wherein at least one of the communications includes at least one of text or ascii.~~

302. (Cancelled) ~~The method of claim 200, wherein at least one of the communications includes at least one of text or ascii.~~

303. (Cancelled) ~~The method of claim 201, wherein at least one of the communications includes at least one of text or ascii.~~

304. (Cancelled) ~~The method of claim 202, wherein at least one of the communications includes at least one of text or ascii.~~

305. (Cancelled) ~~The method of claim 203, wherein at least one of the communications includes at least one of text or ascii.~~

306. (Cancelled) ~~The method of claim 204, wherein at least one of the communications includes at least one of text or ascii.~~

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307. (Cancelled) ~~The method of claim 205, wherein at least one of the communications includes at least one of text or ascii.~~

308. (Cancelled) ~~The method of claim 206, wherein at least one of the communications includes at least one of text or ascii.~~

309. (Previously presented) The method of claim 170, wherein the computer system is comprised of an Internet service provider computer system.

310. (Previously presented) The method of claim 170, further including:

storing, for the first user identity, an authorization associated with presentation of graphical multimedia; and

based on the authorization, presenting the graphical multimedia at the output device corresponding to the second user identity.

311. (Previously presented) The method of claim 170, further including:

providing the first user identity with access to a member-associated image corresponding to the second user identity.

312. (Previously presented) The method of claim 170, further including:

determining whether the first user identity is censored from access to a member-associated image corresponding to the second user identity;

if the first user identity is censored, not allowing access to the member-associated image; and

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if the first user identity is not censored, allowing access to the member-associated image.

313. (Previously presented) The method of claim 170, wherein the data represents a pointer that a pointer-triggered message on demand.

314. (Previously Presented) The method of claim 191, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

315. (Previously Presented) The method of claim 196, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

316. (Previously presented) The method of claim 197, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

317. (Previously presented) The method of claim198, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

318. (Previously presented) The method of claim 202, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

319. (Previously presented) The method of claim 203, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

320. (Previously presented) The method of claim 204, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

321. (Previously presented) The method of claim 206, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

322. (Previously presented) The method of claim 207, wherein the data represents a pointer that a pointer-triggered message on demand.

323. (Previously Presented) The method of claim 208, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

324. (Previously Presented) The method of claim 213, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

325. (Previously presented) The method of claim 214, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

326. (Previously presented) The method of claim 215, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

327. (Previously presented) The method of claim 219, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

328. (Previously presented) The method of claim 220, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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329. (Previously presented) The method of claim 221, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

330. (Previously presented) The method of claim 223, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

331. (Previously presented) The method of claim 224, wherein the data represents a pointer that a pointer-triggered message on demand.

332. (Previously Presented) The method of claim 225, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

333. (Previously Presented) The method of claim 230, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

334. (Previously presented) The method of claim 231, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

335. (Previously presented) The method of claim 232, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

336. (Previously presented) The method of claim 236, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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337. (Previously presented) The method of claim 237, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

338. (Previously presented) The method of claim 238, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

339. (Previously presented) The method of claim 240, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

340. (Previously presented) The method of claim 241, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

341. (Previously Presented) The method of claim 242, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

342. (Previously presented) The method of claim 247, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

343. (Previously Presented) The method of claim 248, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

344. (Previously presented) The method of claim 249, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

345. (Previously presented) The method of claim 253, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

346. (Previously presented) The method of claim 254, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

347. (Previously presented) The method of claim 255, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

348. (Previously presented) The method of claim 257, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

349. (Previously presented) The method of claim 258, wherein the data represents a pointer that produces a pointer-triggered message on demand.

350. (Previously Presented) The method of claim 259, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

351. (Previously Presented) The method of claim 264, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

352. (Previously presented) The method of claim 265, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

353. (Previously presented) The method of claim 266, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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354. (Previously presented) The method of claim 270, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

355. (Previously presented) The method of claim 271, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

356. (Previously presented) The method of claim 272, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

357. (Previously presented) The method of claim 274, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

358. (Previously presented) The method of claim 275, wherein the data represents a pointer that produces a pointer-triggered message on demand.

359. (Previously Presented) The method of claim 276, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

360. (Previously Presented) The method of claim 281, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

361. (Previously presented) The method of claim 282, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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362. (Previously presented) The method of claim 283, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

363. (Previously presented) The method of claim 287, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

364. (Previously presented) The method of claim 288, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

365. (Previously presented) The method of claim 289, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

366. (Previously presented) The method of claim 291, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

367. (Cancelled) ~~The method of claim 292, wherein the data represents a pointer that produces a pointer-triggered message on demand.~~

368. (Cancelled) ~~The method of claim 293, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

369. (Cancelled) ~~The method of claim 298, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

370. (Cancelled) ~~The method of claim 299, wherein the pointer is a pointer~~

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~~that produces a pointer-triggered message on demand.~~

371. (Cancelled) ~~The method of claim 300, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

372. (Cancelled) ~~The method of claim 304, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

373. (Cancelled) ~~The method of claim 305, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

374. (Cancelled) ~~The method of claim 306, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

375. (Cancelled) ~~The method of claim 308, wherein the pointer is a pointer that produces a pointer-triggered message on demand.~~

376. (Previously presented) The method of claim 309, wherein the data represents a pointer that produces a pointer-triggered message on demand.

377. (Previously presented) The method of claim 310, wherein the data represents a pointer that produces a pointer-triggered message on demand.

378. (Previously presented) The method of claim 311, wherein the data represents a pointer that produces a pointer-triggered message on demand.

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379. (Previously presented) The method of claim 312, wherein the data represents a pointer that produces a pointer-triggered message on demand.

380. (Previously presented) The system of claim 435, wherein the data represents a pointer.

381. (Previously presented) The system of claim 435, wherein the data represents video.

382. (Previously presented) The system of claim 435, wherein the data represents audio.

383. (Previously presented) The system of claim 435, wherein the data represents a graphic.

384. (Previously presented) The system of claim 435, wherein the data represents multimedia.

385. (Previously presented) The system of claim 435, wherein the data represents a pointer and video.

386. (Previously presented) The system of claim 435, wherein the data represents a pointer and audio.

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387. (Previously presented) The system of claim 435, wherein the data represents a pointer and a graphic.

388. (Previously presented) The system of claim 435, wherein the data represents video and audio.

389. (Previously presented) The system of claim 435, wherein the data represents video and a graphic.

390. (Previously presented) The system of claim 435, wherein the data represents audio and a graphic.

391. (Previously presented) The system of claim 435, wherein the data represents a pointer and video and audio.

392. (Previously presented) The system of claim 435, wherein the data represents a pointer and video and a graphic.

393. (Previously presented) The system of claim 435, wherein the data represents a pointer and audio and a graphic.

394. (Previously presented) The system of claim 435, wherein the data represents video and audio and a graphic.

395. (Previously presented) The system of claim 435, wherein the data

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represents a pointer and video and audio and a graphic.

396. (Previously presented) The system of claim 435, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

397. (Previously presented) The system of claim 380, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

398. (Previously presented) The system of claim 381, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

399. (Previously presented) The system of claim 382, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

400. (Previously presented) The system of claim 383, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

401. (Previously presented) The system of claim 384, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

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402. (Previously presented) The system of claim 385, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

403. (Previously presented) The system of claim 386, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

404. (Previously presented) The system of claim 387, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

405. (Previously presented) The system of claim 388, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

406. (Previously presented) The system of claim 389, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

407. (Previously presented) The system of claim 390, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

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408. (Previously presented) The system of claim 391, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

409. (Withdrawn) A method of communicating via an Internet network, the method including:

connecting a plurality of computers to a computer system via the Internet network;

sending, from each of said plurality of computers, a login name and a password corresponding to a respective user identity;

determining which of the plurality of computers can communicate communications with at least one other of the plurality of computers,

receiving at least some of the communications in real time via the Internet network; and

providing, to at least one of the plurality of computers under control of the computer system, a member-associated image and member identity information corresponding to one of the user identities.

410. (Previously presented) The system of claim 392, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

411. (Previously presented) The system of claim 393, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

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412. (Previously presented) The system of claim 394, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

413. (Previously presented) The system of claim 395, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

414. (Previously presented) The system of claim 435, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

415. (Previously presented) The system of claim 380, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

416. (Previously presented) The system of claim 381, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

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send the communications that are not censored from sending.

417. (Previously presented) The system of claim 382, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

418. (Previously presented) The system of claim 383, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

419. (Previously presented) The system of claim 384, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

420. (Previously presented) The system of claim 385, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

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421. (Previously presented) The system of claim 386, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

422. (Previously presented) The system of claim 387, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

423. (Previously presented) The system of claim 388, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

424. (Previously presented) The system of claim 389, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

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425. (Previously presented) The system of claim 390, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

426. (Previously presented) The system of claim 391, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

427. (Previously presented) The system of claim 392, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

428. (Previously presented) The system of claim 393, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

429. (Previously presented) The system of claim 394, wherein the computer

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system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

430. (Previously presented) The system of claim 395, wherein the computer system is further programmed to determine whether at least one of the first user identity and the second user identity, individually, is censored from sending the communications data representing at least one of a pointer, video, a graphic, or multimedia, and

send the communications that are not censored from sending.

431. (Previously presented) The system of claim 435, wherein at least one of the communications includes at least one of text or ascii.

432. (Previously presented) The system of claim 380, wherein at least one of the communications includes at least one of text or ascii.

433. (Previously presented) The system of claim 381, wherein at least one of the communications includes at least one of text or ascii.

434. (Previously presented) The system of claim 382, wherein at least one of the communications includes at least one of text or ascii.

435. (Previously presented) A system to communicate over an Internet network, the system including:

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a plurality of computers connected to a computer system, each of the plurality of computers being connected to a respective input device and a respective output device, the computer system being programmed to: form a group, responsive to each of the plurality of computers sending a respective login name and a password corresponding to a respective user identity, the group corresponding to a first of the user identities and a second of the user identities, each member of the group being capable of sending and receiving communications in real time,

determine whether at least one of the first user identity and the second user identity, individually, is censored from data representing a pointer, video, audio, a graphic, or multimedia,

cause the plurality of computers in the group to receive, in real time via the Internet network, the communications that are not censored based on the individual user identity, and

cause the plurality of computers in the group to not present the data that is censored based on the individual user identity to the corresponding output device.

436. (Previously presented) The system of claim 383, wherein at least one of the communications includes at least one of text or ascii.

437. (Previously presented) The system of claim 384, wherein at least one of the communications includes at least one of text or ascii.

438. (Previously presented) The system of claim 385, wherein at least one of the communications includes at least one of text or ascii.

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439. (Previously presented) The system of claim 386, wherein at least one of the communications includes at least one of text or ascii.

440. (Previously presented) The system of claim 387, wherein at least one of the communications includes at least one of text or ascii.

441. (Previously presented) The system of claim 388, wherein at least one of the communications includes at least one of text or ascii.

442. (Previously presented) The system of claim 389, wherein at least one of the communications includes at least one of text or ascii.

443. (Previously presented) The system of claim 390, wherein at least one of the communications includes at least one of text or ascii.

444. (Previously presented) The system of claim 391, wherein at least one of the communications includes at least one of text or ascii.

445. (Previously presented) The system of claim 392, wherein at least one of the communications includes at least one of text or ascii.

446. (Previously presented) The system of claim 393, wherein at least one of the communications includes at least one of text or ascii.

447. (Previously presented) The system of claim 394, wherein at least one of

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the communications includes at least one of text or ascii.

448. (Previously presented) The system of claim 395, wherein at least one of the communications includes at least one of text or ascii.

449. (Previously presented) The system of claim 435, wherein the computer system is comprised of an Internet service provider.

450. (Previously presented) The system of claim 435, wherein the computer system is further programmed to:

store, for the first user identity, an authorization associated with presentation of graphical data, and

based on the authorization, allow the graphical data to be presented at the output device corresponding to the second user identity.

451. (Previously presented) The system of claim 435, wherein the computer system is further programmed to:

provide the first user identity with access to a member-associated image corresponding to the second user identity.

452. (Previously presented) The system of claim 435, wherein the computer system is further programmed to:

determine whether the first user identity is censored from access to a member-associated image corresponding to the second user identity,

If the first user identity is censored, not allowing access to member-associated

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image, and

If the first user identity is not censored, allow access to the member-associated image.

453. (Previously presented) The system of claim 435, the data represents a pointer that produces a pointer-triggered message on demand.

454. (Previously presented) The system of claim 380, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

455. (Previously presented) The system of claim 385, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

456. (Previously presented) The system of claim 386, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

457. (Previously presented) The system of claim 387, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

458. (Previously presented) The system of claim 391, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

459. (Previously presented) The system of claim 392, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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460. (Previously presented) The system of claim 393, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

461. (Previously presented) The system of claim 395, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

462. (Previously presented) The system of claim 396, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

463. (Previously presented) The system of claim 397, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

464. (Previously presented) The system of claim 402, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

465. (Previously presented) The system of claim 403, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

466. (Previously presented) The system of claim 404, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

467. (Previously presented) The system of claim 408, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

468. (Previously presented) The system of claim 410, wherein the pointer is a

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pointer that produces a pointer-triggered message on demand.

469. (Previously presented) The system of claim 411, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

470. (Previously presented) The system of claim 413, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

471. (Previously presented) The system of claim 414, wherein the data that is censored from sending represents a pointer that produces a pointer-triggered message on demand.

472. (Previously presented) The system of claim 415, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

473. (Previously presented) The system of claim 420, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

474. (Previously presented) The system of claim 421, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

475. (Previously presented) The system of claim 422, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

476. (Previously presented) The system of claim 426, wherein the data that

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represents the pointer that produces a pointer-triggered message on demand.

477. (Previously presented) The system of claim 427, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

478. (Previously presented) The system of claim 428, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

479. (Previously presented) The system of claim 430, wherein the data that represents the pointer that produces a pointer-triggered message on demand.

480. (Previously presented) The system of claim 431, wherein the data represents a pointer that produces a pointer-triggered message on demand.

481. (Previously presented) The system of claim 432, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

482. (Previously presented) The system of claim 438, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

483. (Previously presented) The system of claim 439, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

484. (Previously presented) The system of claim 440, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

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485. (Previously presented) The system of claim 444, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

486. (Previously presented) The system of claim 445, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

487. (Previously presented) The system of claim 446, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

488. (Previously presented) The system of claim 448, wherein the pointer is a pointer that produces a pointer-triggered message on demand.

489. (Previously presented) The system of claim 449, wherein the data represents a pointer that produces a pointer-triggered message on demand.

490. (Previously presented) The system of claim 450, wherein the data represents a pointer that produces a pointer-triggered message on demand.

491. (Previously presented) The system of claim 451, wherein the data represents a pointer that produces a pointer-triggered message on demand.

492. (Previously presented) The system of claim 452, wherein the data represents a pointer that produces a pointer-triggered message on demand.

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493. (Previously presented) The system of claim 604, wherein the data represents a pointer.

494. (Previously presented) The system of claim 604, wherein data represents video.

495. (Previously presented) The system of claim 604, wherein the data represents audio.

496. (Previously presented) The system of claim 604, wherein the data represents a graphic.

497. (Previously presented) The system of claim 604, wherein the data represents multimedia.

498. (Previously presented) The system of claim 604, wherein the data represents a pointer and video.

499. (Previously presented) The system of claim 604, wherein the data represents a pointer and audio.

500. (Previously presented) The system of claim 604, wherein the data represents a pointer and a graphic.

501. (Previously presented) The system of claim 604, wherein the data

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represents video and audio.

502. (Previously presented) The system of claim 604, wherein the data represents video and a graphic.

503. (Cancelled) ~~The system of claim 604, wherein the data represents video and a graphic.~~

504. (Previously presented) The system of claim 604, wherein the data represents a pointer and video and a audio.

505. (Previously presented) The system of claim 604, wherein the data represents a pointer and video and a graphic.

506. (Previously presented) The system of claim 604, wherein the data represents a pointer and audio and a graphic.

507. (Previously presented) The system of claim 604, wherein the data represents video and audio and a graphic.

508. (Previously presented) The system of claim 604, wherein the data represents a pointer and video and audio and a graphic.

509. (Previously presented) The system of claim 604, wherein at least some of the communications include at least one of text or ascii.

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510. (Previously presented) The system of claim 493, wherein at least some of the communications include at least one of text or ascii.

511. (Previously presented) The system of claim 494, wherein at least some of the communications include at least one of text or ascii.

512. (Previously presented) The system of claim 495, wherein at least some of the communications include at least one of text or ascii.

513. (Previously presented) The system of claim 496, wherein at least some of the communications include at least one of text or ascii.

514. (Previously presented) The system of claim 497, wherein at least some of the communications include at least one of text or ascii.

515. (Previously presented) The system of claim 498, wherein at least some of the communications include at least one of text or ascii.

516. (Previously presented) The system of claim 499, wherein at least some of the communications include at least one of text or ascii.

517. (Previously presented) The system of claim 500, wherein at least some of the communications include at least one of text or ascii.

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518. (Previously presented) The system of claim 501, wherein at least some of the communications include at least one of text or ascii.

519. (Previously presented) The system of claim 502, wherein at least some of the communications include at least one of text or ascii.

520. (Cancelled) ~~The system of claim 503, wherein at least some of the communications include at least one of text or ascii.~~

521. (Previously presented) The system of claim 504, wherein at least some of the communications include at least one of text or ascii.

522. (Previously presented) The system of claim 505, wherein at least some of the communications include at least one of text or ascii.

523. (Previously presented) The system of claim 506, wherein at least some of the communications include at least one of text or ascii.

524. (Previously presented) The system of claim 507, wherein at least some of the communications include at least one of text or ascii.

525. (Previously presented) The system of claim 508, wherein at least some of the communications include at least one of text or ascii.

526. (Previously presented) The system of claim 604, wherein the computer

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system is further programmed to determine whether at least one of the communications is censored based on content.

527. (Previously presented) The system of claim 493, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

528. (Previously presented) The system of claim 494, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

529. (Previously presented) The system of claim 495, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

530. (Previously presented) The system of claim 496, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

531. (Previously presented) The system of claim 497, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

532. (Previously presented) The system of claim 498, wherein the computer system is further programmed to determine whether at least one of the communications is

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censored based on content.

533. (Previously presented) The system of claim 499, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

534. (Previously presented) The system of claim 500, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

535. (Previously presented) The system of claim 501, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

536. (Previously presented) The system of claim 502, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

537. (Cancelled) ~~The system of claim 503, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.~~

538. (Previously presented) The system of claim 504, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

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539. (Previously presented) The system of claim 505, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

540. (Previously presented) The system of claim 506, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

541. (Previously presented) The system of claim 507, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

542. (Previously presented) The system of claim 508, wherein the computer system is further programmed to determine whether at least one of the communications is censored based on content.

543. (Previously presented) The system of claim 604, wherein at least one of the communications includes a human communication of sound.

544. (Previously presented) The system of claim 493, wherein at least one of the communications includes a human communication of sound.

545. (Previously presented) The system of claim 494, wherein at least one of the communications includes a human communication of sound.

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546. (Previously presented) The system of claim 495, wherein at least one of the communications includes a human communication of sound.

547. (Previously presented) The system of claim 496, wherein at least one of the communications includes a human communication of sound.

548. (Previously presented) The system of claim 497, wherein at least one of the communications includes a human communication of sound.

549. (Previously presented) The system of claim 498, wherein at least one of the communications includes a human communication of sound.

550. (Previously presented) The system of claim 499, wherein at least one of the communications includes a human communication of sound.

551. (Previously presented) The system of claim 500, wherein at least one of the communications includes a human communication of sound.

552. (Previously presented) The system of claim 501, wherein at least one of the communications includes a human communication of sound.

553. (Previously presented) The system of claim 502, wherein at least one of the communications includes a human communication of sound.

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