with said controller computer, unwanted communication from a member.

413. (new) The method of claim 410, wherein the step of arbitrating includes distributing chat communications to a chat group real time over the Internet

414. (new) The method of claim 413, further including the step of providing, with said controller computer, private chat capability to the participator computers.

415. (new) The method of claim 413, further including the step of providing, with said controller computer, private communication window capability to the participator computers.

416. (new) The method of claim 410, further including the step of communicating, with said controller computer, human sound to the participator computers.

417. (new) The method of claim 410, further including the step of providing, with said controller computer, video to the participator computers.

418. (new) The method of claim 416, further including the step of providing, with said controller computer, video to the participator computers.

419. (new) The method of claim 410, wherein the step of arbitrating is carried out with some of said communications including text.

420. (new) The method of claim 410, wherein one said communications is

Petitioner Microsoft Corporation, Ex. 1002, p. 5501

communicated out of band.

421. (new) The method of claim 410, wherein some of said communications are multimedia media messages.

422. (new) The method of claim 409, further including the step of controlling, with said controller computer, invisible viewing of the communications.

423. (new) The method of claim 410, further including the step of controlling, with said controller computer, invisible viewing of the communications.

424. (new) The method of claim 411, further including the step of controlling, with said controller computer, invisible viewing of the communications.

425. (new) The method of claim 412, further including the step of controlling, with said controller computer, invisible viewing of the communications.

426. (new) The method of claim 413, further including the step of controlling, with said controller computer, invisible viewing of the communications.

427. (new) The method of claim 414, further including the step of controlling, with said controller computer, invisible viewing of the communications.

428. (new) The method of claim 415, further including the step of controlling, with said controller computer, invisible viewing of the communications.

Petitioner Microsoft Corporation, Ex. 1002, p. 5502

429. (new) The method of claim 416, further including the step of controlling, with said controller computer, invisible viewing of the communications.

430. (new) The method of claim 417, further including the step of controlling, with said controller computer, invisible viewing of the communications.

431. (new) The method of claim 418, further including the step of controlling, with said controller computer, invisible viewing of the communications.

432. (new) The method of claim 419, further including the step of controlling, with said controller computer, invisible viewing of the communications.

433. (new) The method of claim 420, further including the step of controlling, with said controller computer, invisible viewing of the communications.

434. (new) The method of claim 421, further including the step of controlling, with said controller computer, invisible viewing of the communications.

Petitioner Microsoft Corporation, Ex. 1002, p. 5503

II. R marks

Generally, it is believed that the amendment adds no new matter.

Respectfully, the application, as amended, 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 SMALL 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 to reply to said office action, this shall be deemed a petition therefor. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: October 1, 2003

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

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 5504

SEP 26 2003
PATENT & TRADEMARK OFFICE

2155

I hereby certify that this correspondence is being filed via facsimile with a confirmation copy being deposited 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: September 18, 2003

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

RECEIVED
SEP 30 2003
Technology Center 2100

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

S I R :

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

1. Amendment.

APPLICANT CLAIMS SMALL 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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5505

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

Respectfully submitted,

Date: September 18, 2003

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5506

UIPE JC156 SEP 26 2003 PATENT & TRADEMARK OFFICE

I hereby certify that this correspondence is being filed via facsimile with confirmation copy being deposited 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.

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

Date September 18, 2003

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.

RECEIVED
SEP 30 2003
Technology Center 2100

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

AMENDMENT

S I R :

Please enter the following Amendment and reconsider the patent application.

I. **Amendm nt**

A. In th Titl

Delete the title on page 1, and there insert -- REAL TIME COMMUNICATIONS SYSTEM --.

Petitioner Microsoft Corporation, Ex. 1002, p. 5508

78. (previously added) The method of claim 14, wherein the step of processing said request to send a blind gift is carried out without revealing the non-pseudonymous of said first party to said second party.

79. (previously added) The method of claim 15, wherein the step of processing said request to send a blind gift is carried out without revealing the non-pseudonymous of said first party to said second party.

80. (previously added) The method of claim 16, wherein the step of processing said request to send a blind gift is carried out without revealing the non-pseudonymous of said first party to said second party.

81. (previously added) The method of claim 17, wherein the step of processing said request to send a blind gift is carried out without revealing the non-pseudonymous of said first party to said second party.

82. (previously added) The method of claim 18, wherein the step of processing said request to send a blind gift is carried out without revealing the non-pseudonymous of said first party to said second party.

83. (previously added) The method of claim 19, wherein the step of processing said request to send a blind gift is carried out without revealing the non-pseudonymous of said first party to said second party.

Petitioner Microsoft Corporation, Ex. 1002, p. 5509

The Examiner is requested to reconsider the application in view of the foregoing amendment. Generally, it is believed that the amendment adds no new matter.

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 SMALL 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 to reply to said office action, this shall be deemed a petition therefore. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: September 18, 2003

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

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 5510

#27/6
10-8-03 PP entered

Regular Correspondence:
195 North Harbor Drive, Suite 5403, Chicago Illinois 60601-7540

Docketed Correspondence:
Post Office Box 7131, Chicago Illinois 60680-7131

Peter K. Trzyna, Esq.

Telephone: (312) 240-0824 Facsimile: (312) 240-0825

E-mail: pktlaw@email.msn.com

RECEIVED
CENTRAL FAX CENTER
SEP 22 2003

Fax

To: Examiner Patrice Winder	**Re:** 09/399,578 Amendment
Firm: United States Patent and Trademark Office	**Date / Time:** September 18, 2003
Street Address:	**Phone:** (703) 305-3938
City, State Zip: Washington, D.C., 20231	**Fax:** (703) 746-7239
cc:	**No. of Pages:** 6 (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:

OFFICIAL

Received from < > at 9/18/03 11:32:05 AM [Eastern Daylight Time]

I hereby certify that this correspondence is being filed via facsimile with a confirmation copy being deposited 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: September 18, 2003

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

RECEIVED
CENTRAL FAX CENTER
SEP 22 2003

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

SIR:

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

1. Amendment.

APPLICANT CLAIMS SMALL 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.

OFFICIAL

Received from < > at 9/18/03 11:32:05 AM [Eastern Daylight Time]

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

Respectfully submitted,

Date: September 18, 2003

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

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

Received from < > at 9/18/03 11:32:05 AM [Eastern Daylight Time]

I hereby certify that this correspondence is being filed via facsimile with a confirmation copy being deposited 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.

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

Date September 18, 2003

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.

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

AMENDMENT

SIR:

Please enter the following Amendment and reconsider the patent application.

Received from < > at 9/18/03 11:32:05 AM [Eastern Daylight Time]

I. Amendm nt

A. In the Title

Delete the title on page 1, and there insert -- REAL TIME COMMUNICATIONS SYSTEM --.

Received from < > at 9/18/03 11:32:05 AM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5515

The Examiner is requested to reconsider the application in view of the foregoing amendment. Generally, it is believed that the amendment adds no new matter.

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 SMALL 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 to reply to said office action, this shall be deemed a petition therefore. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: September 18, 2003

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

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

RECEIVED
CENTRAL FAX CENTER
SEP 22 2003

OFFICIAL

Received from < > at 9/18/03 11:32:05 AM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5516

OIPE JC109
SEP 0 5 2003
PATENT & TRADEMARK OFFICE

2155

I hereby certify that this correspondence is being filed by via facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: DD, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: September 2, 2003

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No. #28

File: AIS-P99-1

RECEIVED
SEP 0 9 2003
Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

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 SMALL 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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5517

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

Respectfully submitted,

Date: September 2, 2003

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5518

OIPE JC109
SEP 05 2003
PATENT & TRADEMARK OFFICE

I hereby certify that this correspondence is being filed by facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: DD, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: September 2, 2003

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

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
SEP 0 9 2003
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

SIR:

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, 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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5519

I. COMMENT ON THE ENCLOSED ART

The section of the patent application subtitled "Background of the Invention" identifies material believed to be material to, or of interest in, the examination of the application and provides a concise explanation of the material. This Information Disclosure Statement transmits copies of information which the undersigned respectfully requests the Examiner to consider in the examination of the application.

The enclosed articles are from a conference in Massachusetts from August 28-September 1, 1995. The actual publication date is not known, and Applicant does not concede that the enclosed is "prior art."

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. §§ 1.56, it is not intended that these constitute an admission of "prior art" for this invention. 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.

II. FEE

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

III. SIGNATURE

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,

Date: September 2, 2003

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5520

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List f Patents and Publicati ns for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant: Daniel L. Marks	
	Filing Date: September 20, 1999	Group: 2765

OIPE JC109 SEP 05 2003 PATENT & TRADEMARK OFFICE

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	"CCCP: Conference Control Channel Protocol A Scalable Base for Building Conference Control Applications," *Mark Handley et al.*, V1.4 Pgs. 1-18, August 28 -September 1, 1995.
	C2	"CCCP: Conference Control Channel Protocol A Scalable Base for Building Conference Control Applications," *Mark Handley et al.*, Pgs. 1-13, August 28-September 1, 1995.
	C3	"An Application Legel Video Gateway," *Elan Amir et al.*, Pgs. 1-10, August 28-September 1, 1995.
	C4	"Vic: A Flexible Framework for Packet Video," *Steven McCanne, et al.* Pgs. 1-12. August 28-September 1, 1995.

RECEIVED
SEP 0 9 2003
Technology Center 2100

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5521

#24
L00
9-5-03

Regular Correspondence:
195 North Harbor Drive, Suite 5403, Chicago Illinois 60601-7540

Docketed Correspondence:
Post Office Box 7131, Chicago Illinois 60680-7131

Peter K. Trzyna, Esq.

Telephone: (312) 240-0824 Facsimile: (312) 240-0825

E-mail: pktlaw@email.msn.com

Fax

To: Examiner Patrice Winder	**Re:** 09/399,578 IDS and Cited Art
Firm: United States Patent and Trademark Office	**Date / Time:** September 2, 2003
Street Address:	**Phone:** (703) 305-3938
City, State Zip: Washington, D.C., 20231	**Fax:** (703) 746-7239
cc:	**No. of Pages:** 49 (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:

Received from < > at 9/2/03 2:04:42 PM [Eastern Daylight Time]

I hereby certify that this correspondence is being filed by via facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: DD, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: September 2, 2003

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

OFFICIAL

TRANSMITTAL LETTER

SIR:

RECEIVED
CENTRAL FAX CENTER
SEP 0 2 2003

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 SMALL 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.

Received from < > at 9/2/03 2:04:42 PM [Eastern Daylight Time]

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

Respectfully submitted,

Date: September 2, 2003

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

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

OFFICIAL

RECEIVED
CENTRAL FAX CENTER
SEP 0 2 2003

Received from < > at 9/2/03 2:04:42 PM [Eastern Daylight Time]

I hereby certify that this correspondence is being filed by via facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: DD, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: September 2, 2003

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

PATENT

#24

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

SIR:

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, 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.

Received from < > at 9/2/03 2:04:42 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5525

I. COMMENT ON THE ENCLOSED ART

The section of the patent application subtitled "Background of the Invention" identifies material believed to be material to, or of interest in, the examination of the application and provides a concise explanation of the material. This Information Disclosure Statement transmits copies of information which the undersigned respectfully requests the Examiner to consider in the examination of the application.

The enclosed articles are from a conference in Massachusetts from August 28-September 1, 1995. The actual publication date is not known, and Applicant does not concede that the enclosed is "prior art."

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. §§ 1.56, it is not intended that these constitute an admission of "prior art" for this invention. 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.

II. FEE

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

III. SIGNATURE

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,

Date: September 2, 2003

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

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

Received from < > at 9/2/03 2:04:42 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5526

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 #24	
(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	"CCCP: Conference Control Channel Protocol A Scalable Base for Building Conference Control Applications," *Mark Handley et al.*, V1.4 Pgs. 1-18, August 28 -September 1, 1995.
	C2	"CCCP: Conference Control Channel Protocol A Scalable Base for Building Conference Control Applications," *Mark Handley et al.*, Pgs. 1-13, August 28-September 1, 1995.
	C3	"An Application Legel Video Gateway," *Elan Amir et al.*, Pgs. 1-10, August 28-September 1, 1995.
	C4	"Vic: A Flexible Framework for Packet Video," *Steven McCanne, et al.* Pgs. 1-12. August 28-September 1, 1995.

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.

Received from < > at 9/2/03 2:04:42 PM [Eastern Daylight Time]

OIPE
AUG 18 2003
PATENT & TRADEMARK OFFICE

2155

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: Fee Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: August 14, 2003

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

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
AUG 2 1 2003
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

S I R :

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

1. Amendment and Response; and
2. Petition for Extension of Time.

APPLICANT CLAIMS SMALL 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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5528

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

Respectfully submitted,

Date: August 14, 2003

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5529

OIPE
AUG 18 2003
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: Fee Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

By August 14, 2003
Peter K. Trzyna (Reg. No. 32,601)

Date

PATENT

Paper No. 20

Our File No. AIS-P99-1

#26/F
LDJ
10-8-03
entered

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
AUG 21 2003
Technology Center 2100

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.

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

AMENDMENT AND RESPONSE

S I R :

In response to the Office Action mailed 14 February 2003 in the above-referenced patent application, please reconsider the application in view of the amendment and remarks set forth below.

The undersigned wishes to express appreciation to the Examiner for an Interview on 11 August 2003, wherein a discussion of the claim numbering resulted in agreement that Applicant would submit a clean copy of the claims showing the renumbering. The amendment below is based on the clean copy submitted herewith.

I. Amendment

A. In The Claims

Please amend the claims as set forth below.

1. (currently amended) A method for using ~~a~~ computers ~~system~~ to ~~distribute communication~~ communicate over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet, each said participator computer connected to an input device ~~to receive input information from a respective user~~ and to an output device~~, each said user having a user identity;~~

~~programming the controller computer to control distributing the communication;~~

~~programming the participator computers to enable receiving the communication~~; and

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which one of the participator computers can ~~receive~~ communicate a communication ~~the communication, including~~ to an other of the participator computers, in real time over the Internet, the communication including a human sound, a video, a graphic, a pointer-triggered message, or a combination thereof~~,~~

~~wherein said arbitrating with said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data; and~~

~~distributing, in accordance with the predefined rules, the communication in real time over the Internet to the one of the participator computers.~~

2. (previously added) The method of claim 1, wherein the step of arbitrating includes forming more than one channel over the Internet.

Petitioner Microsoft Corporation, Ex. 1002, p. 5531

3. (previously added) The method of claim 1, further including the step of censoring responsive to said user identity.

4. (previously added) The method of claim 1, further including the step of:

using a web browser or auxiliary program to facilitate the communication.

5. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound.

6. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video.

7. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said graphic.

8. (previously amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said pointer-triggered communication.

9. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and further including text or ascii.

10. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said video.

Petitioner Microsoft Corporation, Ex. 1002, p. 5532

11. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said video and said graphic.

12. (previously amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said video and said pointer-triggered communication.

13. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said video and further including text or ascii.

14. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said graphic.

15. (previously amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said graphic and said pointer-triggered communication.

16. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said graphic and further including text or ascii.

17. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic.

18. (previously amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said

Petitioner Microsoft Corporation, Ex. 1002, p. 5533

pointer-triggered communication.

19. (previously added) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and further including text or ascii.

20. (previously amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication.

21. (previously amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication and further including text or ascii.

22. (previously amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication and further including text or ascii.

23. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound.

24. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video.

25. (previously added) The method of claim 2, wherein said step of arbitrating

Petitioner Microsoft Corporation, Ex. 1002, p. 5534

is carried out with the communication including said sound and said graphic.

26. (previously amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said pointer-triggered communication.

27. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and further including text or ascii.

28. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video.

29. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video and said graphic.

30. (previously amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video and said pointer-triggered communication.

31. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video and further including text or ascii.

32. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said graphic.

Petitioner Microsoft Corporation, Ex. 1002, p. 5535

33. (previously amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said graphic and said pointer-triggered communication.

34. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said graphic and further including text or ascii.

35. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic.

36. (previously amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication.

37. (previously added) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and further including text or ascii.

38. (previously amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication.

39. (previously amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication and further including text or ascii.

Petitioner Microsoft Corporation, Ex. 1002, p. 5536

40. (previously amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication and further including text or ascii.

41. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound.

42. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video.

43. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said graphic.

44. (previously amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said pointer-triggered communication.

45. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and further including text or ascii.

46. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said video.

47. (previously added) The method of claim 3, wherein said step of arbitrating

Petitioner Microsoft Corporation, Ex. 1002, p. 5537

is carried out with the communication including said video and said graphic.

48. (previously amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said video and said pointer-triggered communication.

49. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said video and further including text or ascii.

50. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said graphic.

51. (previously amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said graphic and said pointer-triggered communication.

52. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said graphic and further including text or ascii.

53. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic.

54. (previously amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication.

Petitioner Microsoft Corporation, Ex. 1002, p. 5538

55. (previously added) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and further including text or ascii.

56. (previously amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication.

57. (previously amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication and further including text or ascii.

58. (previously amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including sound and video and graphic and pointer-triggered communication and further including text.

59. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound.

60. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video.

61. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said graphic.

Petitioner Microsoft Corporation, Ex. 1002, p. 5539

62. (previously amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said pointer-triggered communication.

63. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and further including text or ascii.

64. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video.

65. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video and said graphic.

66. (previously amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video and said pointer-triggered communication.

67. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video and further including text or ascii.

68. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said graphic.

69. (previously amended) The method of claim 4, wherein said step of

Petitioner Microsoft Corporation, Ex. 1002, p. 5540

arbitrating is carried out with the communication including said graphic and said pointer-triggered communication.

70. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said graphic and further including text or ascii.

71. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic.

72. (previously amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication.

73. (previously added) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and further including text or ascii.

74. (previously amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication.

75. (currently amended) The method of claim 4, wherein said step of ~~arbitrating~~ distributing is carried out with the ~~communication~~ messages including said sound and said video and said URL and further including text or ascii.

Petitioner Microsoft Corporation, Ex. 1002, p. 5541

76. (currently amended) The method of claim 4, wherein said step of ~~arbitrating~~ distributing is carried out with the ~~communication~~ messages including said sound and said video and said graphic and said pointer-triggered communication and further including text or ascii.

77. (currently amended) The method of claim 1, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

78. (currently amended) The method of claim 2, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

79. (currently amended) The method of claim 3, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

80. (currently amended) The method of claim 4, further including the steps of:

Petitioner Microsoft Corporation, Ex. 1002, p. 5542

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

81. (currently amended) The method of claim 5, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

82. (currently amended) The method of claim 6, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

83. (currently amended) The method of claim 7, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

84. (currently amended) The method of claim 8, further including the steps of:

providing a screen from said controller computer to said participator computers,

Petitioner Microsoft Corporation, Ex. 1002, p. 5543

the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

85. (currently amended) The method of claim 9, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

86. (currently amended) The method of claim 10, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

87. (currently amended) The method of claim 11, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

88. (currently amended) The method of claim 12, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

Petitioner Microsoft Corporation, Ex. 1002, p. 5544

determining age of ~~the~~ a user for said account.

89. (currently amended) The method of claim 13, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

90. (currently amended) The method of claim 14, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

91. (currently amended) The method of claim 15, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

92. (currently amended) The method of claim 16, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5545

93. (currently amended) The method of claim 17, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

94. (currently amended) The method of claim 18, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

95. (currently amended) The method of claim 19, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

96. (currently amended) The method of claim 20, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5546

97. (currently amended) The method of claim 21, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

98. (currently amended) The method of claim 22, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

99. (currently amended) The method of claim 23, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

100. (currently amended) The method of claim 24, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

101. (currently amended) The method of claim 25, further including the steps

Petitioner Microsoft Corporation, Ex. 1002, p. 5547

of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

102. (currently amended) The method of claim 26, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

103. (currently amended) The method of claim 27, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

104. (currently amended) The method of claim 28, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

105. (currently amended) The method of claim 29, further including the steps of:

Petitioner Microsoft Corporation, Ex. 1002, p. 5548

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

106. (currently amended) The method of claim 30, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

107. (currently amended) The method of claim 31, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

108. (currently amended) The method of claim 32, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

109. (currently amended) The method of claim 33, further including the steps of:

providing a screen from said controller computer to said participator computers,

Petitioner Microsoft Corporation, Ex. 1002, p. 5549

the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

110. (currently amended) The method of claim 34, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

111. (currently amended) The method of claim 35, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

112. (currently amended) The method of claim 36, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

113. (currently amended) The method of claim 37, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

Petitioner Microsoft Corporation, Ex. 1002, p. 5550

determining age of ~~the~~ a user for said account.

114. (currently amended) The method of claim 38, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

115. (currently amended) The method of claim 39, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

116. (currently amended) The method of claim 40, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

117. (currently amended) The method of claim 41, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5551

118. (currently amended) The method of claim 42, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

119. (currently amended) The method of claim 43, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

120. (currently amended) The method of claim 44, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

121. (currently amended) The method of claim 45, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5552

122. (currently amended) The method of claim 46, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

123. (currently amended) The method of claim 47, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

124. (currently amended) The method of claim 48, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

125. (currently amended) The method of claim 49, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

126. (currently amended) The method of claim 50, further including the steps

Petitioner Microsoft Corporation, Ex. 1002, p. 5553

of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

127. (currently amended) The method of claim 51, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

128. (currently amended) The method of claim 52, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

129. (currently amended) The method of claim 53, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

130. (currently amended) The method of claim 54, further including the steps of:

Petitioner Microsoft Corporation, Ex. 1002, p. 5554

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

131. (currently amended) The method of claim 55, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

132. (currently amended) The method of claim 56, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

133. (currently amended) The method of claim 57, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

134. (currently amended) The method of claim 58, further including the steps of:

providing a screen from said controller computer to said participator computers,

Petitioner Microsoft Corporation, Ex. 1002, p. 5555

the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

135. (currently amended) The method of claim 59, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

136. (currently amended) The method of claim 60, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

137. (currently amended) The method of claim 61, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

138. (currently amended) The method of claim 62, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

Petitioner Microsoft Corporation, Ex. 1002, p. 5556

determining age of ~~the~~ a user for said account.

139. (currently amended) The method of claim 63, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

140. (currently amended) The method of claim 64, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

141. (currently amended) The method of claim 65, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

142. (currently amended) The method of claim 66, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5557

143. (currently amended) The method of claim 67, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

144. (currently amended) The method of claim 68, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

145. (currently amended) The method of claim 69, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

146. (currently amended) The method of claim 70, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5558

147. (currently amended) The method of claim 71, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

148. (currently amended) The method of claim 72, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

149. (currently amended) The method of claim 73, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

150. (currently amended) The method of claim 74, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

151. (currently amended) The method of claim 75, further including the steps

Petitioner Microsoft Corporation, Ex. 1002, p. 5559

of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

152. (currently amended) The method of claim 76, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

153. (previously added) The method of claim 2, further including the step of censoring responsive to said user identity.

154. (previously added) The method of claim 153, using a web browser or auxiliary program to facilitate the communication.

155. (previously added) The method of claim 2, using a web browser or auxiliary program to facilitate the communication.

~~154~~ 156. (currently amended) The method of claim 3, further including the step of:

using a web browser or auxiliary program to facilitate the communication.

~~155~~ 157. (currently amended) The method of claim 5, further including the

Petitioner Microsoft Corporation, Ex. 1002, p. 5560

step of:

communicating a user image ~~in the communication~~ to the other of the participator computers.

~~154~~ 158. (currently amended) The method of claim 23, further including the step of:

communicating a user image ~~in the communication~~ to the other of the participator computers.

~~155~~ 159. (currently amended) The method of claim 41, further including the step of:

communicating a user image ~~in the communication~~ to the other of the participator computers.

~~156~~ 160. (currently amended) The method of claim 59, further including the step of:

communicating a user image ~~in the communication~~ to the other of the participator computers.

~~156~~ 161. (currently amended) The method of claim 5, further including the step of:

assigning tokens to ~~respective~~ each said user ~~identities~~ identity.

~~157~~ 162. (currently amended) The method of claim 23, further including the step of:

Petitioner Microsoft Corporation, Ex. 1002, p. 5561

assigning tokens to ~~respective~~ each said user ~~identities~~ identity.

~~158~~ 163. (currently amended) The method of claim 41, further including the step of:

assigning tokens to ~~respective~~ each said user ~~identities~~ identity.

~~159~~ 164. (currently amended) The method of claim 59, further including the step of:

assigning tokens to ~~respective~~ each said user ~~identities~~ identity.

~~160~~ 165. (currently amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining~~,~~ a respective authenticated user identity from a controller computer over the Internet network for use on each of a plurality of participator computers, ~~a respective user identity from a controller computer over the Internet network,~~ each said participator computer connected to an input device ~~to receive input information from a respective user~~ and to an output device;

programming the participator computers to enable communication, including a human sound, a video, a graphic, a pointer-triggered message, or a combination thereof, ~~wherein said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data, and wherein said communication is controlled by using said user identity~~;

connecting said participator computers to said Internet network;

sending said communication from one of said participator computers; and

distributing, in accordance with ~~the~~ predefined rules including a test for said authenticated user identity, said communication in real time over the Internet network to at least

Petitioner Microsoft Corporation, Ex. 1002, p. 5562

one other of said participator computers.

~~161~~ 166. (currently amended) The method of claim ~~160~~ 165, wherein said distributing is carried out without multiplexing and de-multiplexing.

~~162~~ 167. (currently amended) The method of claim ~~160~~ 165, further including the step of

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

~~163~~ 168. (currently amended) The method of claim ~~161~~ 166, further including the step of

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of ~~the~~ a user for said account.

~~164~~ 169. (currently amended) The method of claim ~~160~~ 165, further including the step of forming a chat channel over the Internet network, and arbitrating channel communications between said participator computers at said controller computer.

~~165~~ 170. (currently amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining~~,~~ a respective authenticated user identity from a controller computer over the Internet network for use on each of a plurality of participator computers, ~~a respective~~

Petitioner Microsoft Corporation, Ex. 1002, p. 5563

~~user identity from a controller computer over the Internet network,~~ each said participator computer connected to an input device ~~to receive input information from a respective user~~ and to an output device;

programming the participator computers to enable communication, including a human sound, a video, a graphic, a pointer-triggered message, or a combination thereof, ~~wherein said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data, and wherein said communication is controlled by using said user identity~~;

connecting said participator computers to said Internet network;

sending said communication from one of said participator computers; and

distributing, in accordance with ~~the~~ predefined rules including a test for said authenticated user identity, said communication in real time over the Internet network to at least one other of said participator computers in an exchange of messages.

~~166~~ 171. (currently amended) ~~Said~~ The method of claim ~~160~~ 165, wherein said step of programming is carried out with said communication including said sound.

~~167~~ 172. (currently amended) ~~Said~~ The method of claim ~~160~~ 165, wherein said step of programming is carried out with said communication including said sound and said video.

~~167~~ 173. (currently amended) ~~Said~~ The method of claim ~~161~~ 166, wherein said step of programming is carried out with said communication including said sound.

~~168~~ 174. (currently amended) ~~Said~~ The method of claim ~~161~~ 166, wherein said step of programming is carried out with said communication including said sound and said

Petitioner Microsoft Corporation, Ex. 1002, p. 5564

video.

~~169~~ 175. (currently amended) ~~Said~~ The method of claim ~~162~~ 167, wherein said step of programming is carried out with said communication including said sound.

~~170~~ 176. (currently amended) ~~Said~~ The method of claim ~~162~~ 167, wherein said step of programming is carried out with said communication including said sound and said video.

~~171~~ 177. (currently amended) ~~Said~~ The method of claim ~~160~~ 165, wherein said step of programming is carried out with said communication including said sound and further including text or ascii.

~~172~~ 178. (currently amended) The method of claim 1, wherein at least one of said steps ~~of programming includes some~~ is carried out by programming one of said computers in java.

~~173~~ 179. (currently amended) The method of claim 1, wherein said step of arbitrating is carried out with said test of authenticated user identity obtained by communication over the Internet network in -registering for an account.

~~174~~ 180. (currently amended) The method of claim 1, wherein the step of ~~arbitrating~~ distributing is carried out with the pointer-triggered message being a URL pointer-triggered message.

Petitioner Microsoft Corporation, Ex. 1002, p. 5565

~~175~~ 181. (currently amended) The method of claim ~~160~~ 165, wherein one of said steps is carried out by ~~using some java~~ programming one said of said computers in java.

~~176~~ 182. (currently amended) The method of claim ~~165~~ 170, wherein one of said steps is carried out by ~~using some java~~ programming one said of said computers in java.

Petitioner Microsoft Corporation, Ex. 1002, p. 5566

II. R marks

The Examiner is requested to reconsider the application in view of the foregoing amendment and the following remarks. Generally, it is believed that the amendment adds no new matter.

Respectfully, with respect to the rejections, Bennett does not show any communication emanating from one of the participator computers being received by another of the participant computers. Applicant apologizes for technicalities in the claims, including the claim misnumbering, which are corrected above.

Again appreciation is expressed for the Examiner's time in conducting the interview.

The application, as amended, 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 to reply to said office action, this shall be deemed a petition therefor. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: August 14, 2003

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

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 5567

AUG 1 8 2003
PATENT & TRADEMARK OFFICE

I hereby certify that this correspondence is being filed by depositing with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: Fee Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

Date: August 14, 2003

PATENT

Paper No.

File: AIS-P1-99

#25
LDJ
10-8-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
AUG 2 1 2003
Technology Center 2100

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.

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

PETITION FOR EXTENSION OF TIME

S I R :

This is a Petition for Extension of Time for three months to respond to the Office Action Mailed on February 14, 2003, 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 Amendment and Response filed herewith.

APPLICANT CLAIMS SMALL 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.

08/20/2003 MAHMED1 00000107 500235 09399578
01 FC:1253 930.00 DA

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

Respectfully submitted,

Date: August 14, 2003

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

P.O. Box 7131
Chicago, IL 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 5569

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 08/15/2003

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER
WINDER, PATRICE L

ART UNIT	PAPER NUMBER
2155	27

DATE MAILED: 08/15/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

Interview Summary	Application No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice L Winder	2155	PW

All participants (applicant, applicant's representative, PTO personnel):

(1) *Patrice L Winder*. (3)*Peter K. Trzyna*.

(2) *Daniel Marks*. (4)_____.

Date of Interview: *12 August 2003*.

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: *1,160 and 165*.

Identification of prior art discussed: *Bennett*.

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 ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WICHEVER 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 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. 5571

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5572

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 original purpose of the conversation was to facilitate applicant's better understanding of the outstanding rejection. A summary of the conversation is as follows: the invention arbitrates between participant computers according to user identity. Bennett (referred Oracle) was described as a database system that arbitrates access to objects. not communication between persons.To better describe the invention, applicant suggests amending to "sending communication from one of said participant computers" .

Petitioner Microsoft Corporation, Ex. 1002, p. 5573

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
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 02/14/2003

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER
WINDER, PATRICE L

ART UNIT	PAPER NUMBER
2155	

DATE MAILED: 02/14/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

Office Action Summary	Applicati n No.	Applicant(s)	
	09/399,578	MARKS, DANIEL L.	
	Examiner	Art Unit	
	Patrice L Winder	2155	

-- Th MAILING DATE of this communication appears on the cover sheet with th correspond nc address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) 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 the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- 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 *02 December 2002* .

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) *1-176* 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) *1-176* 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).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ 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.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

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-1449) Paper No(s) *9, 13-14, 18*
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

Petitioner Microsoft Corporation, Ex. 1002, p. 5575

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statements (IDS) submitted on May 6, 2002, paper #14 and July 8, 2002, paper #18 contain patents and/or publications available after applicant's priority date. In each applicable case, the reference cited is considered for historical purposes only.

Request for Information Under 37 CFR 1.105

2. The response to the request for information is acknowledged as being received on December 2, 2002, paper #20.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-176 rejected under 35 U.S.C. 102(e) as being anticipated by Bennett et al., USPN 5,826,085 (hereafter referred to Bennett).

5. Regarding claim 1, Bennett taught a method for using a computer system to distribute communication over an Internet network (column 3, lines 36-41, column 4, lines 7-11), the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet, each said participator computer connected to an input device to receive input information from a respective user and to an output device (column 3, line 64 – column 4, line 27), each said user having a user identity (each user having a user account);

programming the controller computer to control distributing the communication (column 4, lines 29-49);

programming the participator computers to enable receiving the communication (column 3, line 64 – column 4, line 27);

arbitrating with the controller computer, in accordance with predefined rules including at test for an authenticated user identity, to determine which one of the participator computers can receive the communication, including a sound, a video, a graphic, a pointer-triggered message, or a combination thereof, wherein said arbitrating with said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data (column 7, lines 34-64, column 12, lines 53-66); and

distributing, in accordance with the predefined rules, the communication in real time over the Internet to the one of the participator computers (column 7, lines 6-33).

6. Regarding claim 160, Bennett taught a method for using a computer system to distributed communication over an internet (column 3, lines 36-41, column 4, lines 7-11), the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each of said participator computer connected to an input device to receive input information from a respective user and to an output device (column 7, line 34 – column 8, line 15);

programming the participator computers to enable communication, including a sound, a video, a graphic, a point-triggered message, or a combination thereof, wherein said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data, and wherein said communication is controlled using said user identity (column 3, line 64 – column 4, line 27);

connecting said participator computers to said Internet network (column 4, line 6-11); sending said communication from one of said computers (column 11, line 58 – column 12, line 6); and

distributing, in accordance with predefined rules, said communication in real time over the Internet network to at least one of said participator computers (column 12, lines 7-67).

7. Regarding claim 165, Bennett taught a method for using a computer network system to distribute communication over an Internet network (column 3, lines 36-41, column 4, lines 7-11), the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device (column 7, line 34 – column 8, line 15);

programming the participator computer to enable communication, including a sound, a video, a graphic, a point-triggered message includes said controller computer using said pointer to fetch pre-stored data (column 3, line 64 – column 4, line 27);

connecting said participator computers to said Internet network (column 4, line 6-11); sending said communication from one of said computers (column 11, line 58 – column 12, line 6); and

distributing, in accordance with the predefined rules, said communication in real-time over the Internet network to at least one of said participator computers (column 7, lines 6-33).

8. Regarding dependent claims 2-159, 161-164, 166-176, Bennett taught audio, video, graphics (column 4, lines 29-49) and multimedia communication and features associated with restriction through user identity (restriction, column 12, line 40 – column 15, line 20).

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Hoffer, USPN 5,799,151: taught interactive electronic trade network and user interface for engaging in real-time conferencing;

b. Arora et al., USPN 5,812,552 : taught a conference configurator executing a multimedia application and sending the executables of the multimedia application in real-time to each end-station.

c. Watabe et al., Distributed Multiparty Desktop Conferencing System – Mermaid: taught a system for sharing information in such multimedia forms as video images, voice, text, graphics, still images and handdrawn figures.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrice Winder whose telephone number is (703) 305-3938. The examiner can normally be reached on Monday-Friday from 10:30 AM to 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh, can be reached on (703) 305-9648. The fax phone number(s) for this Group are after final (703) 746-7238; official (703) 746-7239 and non-official/draft (703) 746-7240.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Patrice Winder

PATRICE WINDER
PRIMARY EXAMINER

Notice of References Cited	Application/Control No. 09/399,578	Applicant(s)/Patent Under Reexamination MARKS, DANIEL L.	
	Examiner Patrice L Winder	Art Unit 2155	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,799,151	08-1998	Hoffer, Steven M.	709/204
	B	US-5,812,552	09-1998	Arora et al.	370/401
	C	US-5,826,085	10-1998	Bennett et al.	709/316
	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	Kazuo Watabe et al., Distributed Multiparty Desktop Conferencing System: MERMAID, October 1990, Proceedings CSCW '90, ACM, pages 27-38
	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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5581

Form PTO 948 (Rev. 8-98) U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office Application No. 09/399,578

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 9-20-99 are:

A. [X] approved by the Draftsperson under 37 CFR 1.84 or 1.152.

B. [ ] objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be sumitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color.
___ Color drawings are not acceptable until petiton is granted. Fig(s) _____
___ Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84 (b)
___ I full-tone set is required. Fig(s) _____
___ Photographs not properly mounted (must use brystol board or photographic double-weight paper). Fig(s) _____
___ Foor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)
___ Paper not flexible, strong, white, and durable. Fig(s) _____
___ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____
___ Mylar, velum paper is not acceptable (too thin). Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
___ 21.0 cm by 29.7 cm (DIN size A4)
___ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
___ All drawing sheets not the same size. Sheet(s) _____
___ Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm
SIZE: A4 Size
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: 8 1/2 x 11
Margins not acceptable. Fig(s) _____
_____ Top (T) _____ Left (L)
_____ Right (R) _____ Bottom (B)

6. VIEWS. 37 CFR 1.84(h)
REMINDER: Specification may require revision to correspond to drawing changes.
Partial views. 37 CFR 1.84(h)(2)
___ Brackets needed to show figure as one entity. Fig(s) _____
___ Views not labeled separately or properly. Fig(s) _____
___ Enlarged view not labeled separetely or properly. Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)
___ Hatching not indicated for sectional portions of an object. Fig(s) _____
___ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
___ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)
___ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(i)
___ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____

11. SHADING. 37 CFR 1.84(m)
___ Solid black areas pale. Fig(s) _____
___ Solid black shading not permitted. Fig(s) _____
___ Shade lines, pale, rough and blurred. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
___ Numbers and reference characters not plain and legible. Fig(s) _____
___ Figure legends are poor. Fig(s) _____
___ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____
___ English alphabet not used. 37 CFR 1.84(p)(2) Figs _____
___ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)
___ Lead lines cross each other. Fig(s) _____
___ Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
___ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)
___ Corrections not made from prior PTO-948 dated _____

17. DESIGN DRAWINGS. 37 CFR 1.152
___ Surface shading shown not appropriate. Fig(s) _____
___ Solid black shading not used for color contrast. Fig(s) _____

COMMENTS

REVIEWER _____ DATE 12-3-99 TELEPHONE NO. _____

ATTACHMENT TO PAPER NO. F 2

Best Available Copy

Attachment for PTO-948 (Rev. 03/01, or earlier)
6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes

Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in ABANDONMENT of the application

06/01 01

OIPE JC184 JUL 0 8 2002 PATENT & TRADEMARK OFFICE

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 #18	
	Filing Date: September 20, 1999	Group: ~~2765~~ 2155

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
plw	C1	AOL.COM, Kara Swisher, Three Rivers Press, New York, NY, 1998, 1998
	C2	

RECEIVED JUL 15 2002 GROUP 3600

RECEIVED JUL 17 2002 Technology Center 2100

RECEIVED JUL 12 2002 Technology Center 2100

EXAMINER: Patricia L. Weinder	DATE CONSIDERED: Feb 10, 2003

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5584

#9

OIPE SEP 06 2001 PATENT & TRADEMARK OFFICE

MAILED CANCELED OIPE SEP 06 2001 PATENT & TRADEMARK OFFICE

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/399578
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~~ 2155
U.S. Patent Documents *See Page 1*	Foreign Patent Documents *See Page 1*	Other Art *See Page 1*

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
plw	A1	5,008,853	Apr. 16, 1991	Representation of Collaborative Multi-User Activities Relative to Shared Structured Data Objects in a Networked Workstation Environment	~~364~~	~~900~~	Dec. 2, 1987
plw	A2	5,528,671	Jan. 18, 1996	Network Control System	~~379~~	~~93~~	Sep. 11, 1990

RECEIVED SEP 10 2001 Technology Center 2100

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	
	C2	

EXAMINER: Patrice L. Winder	DATE CONSIDERED: Feb. 10, 2003

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 N . 09/339,578
List f Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant: Daniel L. Marks #13	
	Filing Date: September 20, 1999	Group: ~~2765~~ 2155

OIPE JC184 FEB 20 2002 PATENT & TRADEMARK OFFICE

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
plw	C1	"Microsoft NetMeeting Conferencing Software Provides Easy Voice, Dad Internet Communications; Available on the Web Now", May 29, 1996, http://www.microsoft.com/presspass/press/1996/may96/INCONFPR.asp
	C2	
	C3	

RECEIVED
FEB 2 7 2002
Technology Center 2100

EXAMINER: Patrice L. Winder | DATE CONSIDERED: Feb. 12, 2003

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5586

#14

RECEIVED
MAY 0 8 2002
Technology Center 2100

OIPE JC44
MAY 0 6 2002
PATENT & TRADEMARK OFFICE

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~~ 2155

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 Dat 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
plw	C1	"Mechanisms for Specifying and Describing the Format of Internet Message Bodies", *Nathaniel Borenstein, Ned Freed,* June 1991, Pgs. 1-40
plw	C2	"Network Security via Private-Key Certificates", *Don Davis and Ralph Swick*, Pgs. 1-4
plw	C3	"Discuss in Section 9", *Athena Zepher and Kerberos*, 1988, Pgs. 1-11
plw	C4	"www.cs.columbia.edu/~hgs/rpt/" complete printout of website.
plw	C5	"History of IRC", *Daniel Stenberg*, Version: 0.7 - January 8, 2002
plw	C6	"Index of /pub/academic/communications/logs/Gulf-War/", *www.ibiblio.org/pub/academic/communicaations/logs/Gulf-War/desert-storm/01*
plw	C7	"Join a Dungeon Adventure", *Daniel James*, November 30, 2001, www.techtv.com/screensavers /supergeek/story/0,24330,3012300,00.html
plw	C8	"Google Search Results for MUDs", *Google.com*, http://directory.google.com/Top/Games/Internet/MUDs/
plw	C9	"A Brief History of SOF", http://sofeq.sofguild.com/history.htm
plw	C10	"Adventures On-Line", *Michael Ciraolo*, www.atarimagazines.com/v2n7/online.html, Antic Vol. 3, No. 7, November 1984

EXAMINER: Patrice Winder | DATE CONSIDERED: Feb 10, 2003

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5587

L Number	Hits	Search Text	DB	Time stamp
1	3983	vod or video near2 demand	USPAT; US-PGPUB	2003/02/10 10:57
4	68374	internet or www or world adj2 web	USPAT; US-PGPUB	2003/02/10 10:57
7	23058	(authenticat$3 or authoriz$6) with (request$1 or client$1 or user$1 or subscriber$1)	USPAT; US-PGPUB	2003/02/10 10:58
10	777	(vod or video near2 demand) same (internet or www or world adj2 web)	USPAT; US-PGPUB	2003/02/10 10:58
13	167	((authenticat$3 or authoriz$6) with (request$1 or client$1 or user$1 or subscriber$1)) and ((vod or video near2 demand) same (internet or www or world adj2 web))	USPAT; US-PGPUB	2003/02/10 10:58
16	11	(((authenticat$3 or authoriz$6) with (request$1 or client$1 or user$1 or subscriber$1)) and ((vod or video near2 demand) same (internet or www or world adj2 web))) and @ad<19960401	USPAT; US-PGPUB	2003/02/10 11:02
19	318	(vod or video near2 demand) same real$1time	USPAT; US-PGPUB	2003/02/10 11:02
22	51	(internet or www or world adj2 web) and ((vod or video near2 demand) same real$1time) and ((authenticat$3 or authoriz$6) with (request$1 or client$1 or user$1 or subscriber$1))	USPAT; US-PGPUB	2003/02/10 11:02
25	2	((internet or www or world adj2 web) and ((vod or video near2 demand) same real$1time) and ((authenticat$3 or authoriz$6) with (request$1 or client$1 or user$1 or subscriber$1))) and @ad<19960401	USPAT; US-PGPUB	2003/02/10 11:02

Petitioner Microsoft Corporation, Ex. 1002, p. 5588

OIPE
FEB 10 2003
PATENT & TRADEMARK OFFICE

2765
2161

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: February 3, 2003

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

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
FEB 24 2003
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	P. Winder

RECEIVED
FEB 13 2003
GROUP 3600

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

SIR:

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.

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5589

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

Respectfully submitted,

Date: February 3, 2003

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5590

FEB 10 2003
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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: February 3, 2003

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

PATENT

Paper No.

File: AIS-P99-1

#22
LDS
2-25-03

RECEIVED
FEB 13 2003
GROUP 3600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	P. Winder

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

SIR:

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, 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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5591

OIPE JC16
FEB 10 2003
PATENT & TRADEMARK OFFICE

RECEIVED
FEB 13 2003
GROUP 3600

COMMENT ON THE ENCLOSED ART

The section of the patent application subtitled "Background of the Invention" identifies material believed to be material to, or of interest in, the examination of the application and provides a concise explanation of the material. This Information Disclosure Statement transmits copies of information which the undersigned respectfully requests the Examiner to consider in the examination of the application.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. §§ 1.56, it is not intended that these constitute an admission of "prior art" for this invention. 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.

II. FEE

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

III. SIGNATURE

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,

Date: February 3, 2003

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5592

FEB 10 2003
PATENT & TRADEMARK

#22

Form PTO-1449 (modified)	Atty. Docket N . AIS-P1-99	Serial No. 09/339,378
List of Patents and Publicati ns for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant: Daniel L. Marks	
	Filing Date: September 20, 1999	Group 2765
(Use several sheets if necessary)		

RECEIVED
FEB 13 2003
GROUP 3600

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	5,325,419	Jun. 28, 1994	Connolly et al.	379	60	Jan. 4, 1993
	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	
	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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5593

L Number	Hits	Search Text	DB	Time stamp
1	66	moderat$3 with (conferenc$3 or video adj2 conferenc$3)	USPAT; US-PGPUB	2003/02/09 12:25
4	29	(moderat$3 with (conferenc$3 or video adj2 conferenc$3)) and (www or wide adj2 network or world adj1 wide adj1 web or internet)	USPAT; US-PGPUB	2003/02/09 12:26
7	3	((moderat$3 with (conferenc$3 or video adj2 conferenc$3)) and (www or wide adj2 network or world adj1 wide adj1 web or internet)) and @ad<19960401	USPAT; US-PGPUB	2003/02/09 12:26
10	1591	multimedia with conferenc$3	USPAT; US-PGPUB	2003/02/09 12:26
13	804	(multimedia with conferenc$3) and (www or wide adj2 network or world adj1 wide adj1 web or internet)	USPAT; US-PGPUB	2003/02/09 12:26
16	87	((multimedia with conferenc$3) and (www or wide adj2 network or world adj1 wide adj1 web or internet)) and @ad<19960401	USPAT; US-PGPUB	2003/02/09 12:26

L Number	Hits	Search Text	DB	Time stamp
1	5322	video adj2 conferenc$3 or videoconferenc$3	USPAT; US-PGPUB	2003/02/08 11:21
4	10834	(text or electronic) near2 messag$3	USPAT; US-PGPUB	2003/02/08 11:21
7	71850	internet or www or world adj1 wide adj2 web or wide adj2 network	USPAT; US-PGPUB	2003/02/08 11:22
10	348	(video adj2 conferenc$3 or videoconferenc$3) and ((text or electronic) near2 messag$3) and (internet or www or world adj1 wide adj2 web or wide adj2 network)	USPAT; US-PGPUB	2003/02/08 11:22
13	125	((video adj2 conferenc$3 or videoconferenc$3) and ((text or electronic) near2 messag$3) and (internet or www or world adj1 wide adj2 web or wide adj2 network)) and @ad<19990401	USPAT; US-PGPUB	2003/02/08 11:24
16	24	((video adj2 conferenc$3 or videoconferenc$3) and ((text or electronic) near2 messag$3) and (internet or www or world adj1 wide adj2 web or wide adj2 network)) and @ad<19960401	USPAT; US-PGPUB	2003/02/08 11:31
19	15976	conversation$1	USPAT; US-PGPUB	2003/02/08 11:31
22	503	(video adj2 conferenc$3 or videoconferenc$3) and (internet or www or world adj1 wide adj2 web or wide adj2 network) and conversation$1	USPAT; US-PGPUB	2003/02/08 11:31
25	50	((video adj2 conferenc$3 or videoconferenc$3) and (internet or www or world adj1 wide adj2 web or wide adj2 network) and conversation$1) and @ad<19960401	USPAT; US-PGPUB	2003/02/08 11:44
28	612	rinehart-m$.xa,xp.	USPAT; US-PGPUB	2003/02/08 11:44
31	0	rinehart-m$.xa,xp. and ncr$.as	USPAT; US-PGPUB	2003/02/08 11:45
34	11	rinehart-m$.xa,xp. and ncr$.as.	USPAT; US-PGPUB	2003/02/08 12:17
37	2	shin-c$.xp. and irc	USPAT; US-PGPUB	2003/02/08 12:17

OIPE JC109
DEC 09 2002
PATENT & TRADEMARK OFFICE

2155

I hereby certify that this correspondence is being filed by facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

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

Date 2 Dec 2002

PATENT

Paper No. 20

Our File No. AIS-P99-1

Copy of paper #20

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.

RECEIVED
DEC 11 2002
Technology Center 2100

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

TRANSMITAL LETTER

S I R :

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

1. Response and Request for Further Consideration.

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 any extension of time is deemed necessary to respond, this communication shall be deemed a request therefore.

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

Respectfully submitted,

Date: 2 Dec 2002

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

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 5597

OIPE JC109
DEC 09 2002
PATENT & TRADEMARK OFFICE

I hereby certify that this correspondence is being filed by facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

By _____
Peter K. Trzyna (Reg. No. 32601)

Date 2 Dec 2002

PATENT

#20

Paper No. 20

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.

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

RESPONSE AND REQUEST FOR RECONSIDERATION

S I R :

In response to the Office Action mailed 2 October 2002, in the above-referenced patent application, please reconsider the application in view of the remarks set forth below.

In the Office Action the Examiner has solicited information to assist in the examination of the patent application.

In response, especially pursuant to paragraph 6 in the Office Action, it is respectfully submitted that I am a sole practitioner patent attorney who has limited information with which to respond. I acquired rights to the patent application from a company that I believe went out of business years ago. I have attempted to

communicate with people who were involved and who might be able to assist in me in responding to this Office Action, but I have not received any response.

To assist the Examiner, and in response to the Office Action, I write largely from my personal belief, rather than factual knowledge, and I imagine representative products and services today embodying the disclosed subject matter, or generally on point, include user-authenticated Internet multimedia products or services operating in real time, for example, multimedia instant messenger products, such as America On Line's ICQ and AIM, Internet multi-media chat rooms, such as those on Yahoo. Microsoft's Netmeeting, apparently released after the priority date of this application, may well also be relevant. This information was previously filed in connection with this patent application.

I believe that the state of the art at the time of the invention is perhaps best represented in the book "AOL.com" by Kara Swisher (filed in connection with this patent application), which discusses this era when users dialed directly into companies like AOL, a different beast than Internet connecting of today (see the 12th unnumbered page of pictures after page 174 "battling busy signals became a way of life for AOL users in late 1996..." and note the distinction on page 133: "The Internet was a pipe not a place, and AOL was a place with a pipe;" see also page 188 regarding how AOL was a portal to the Internet; and see the discussion of AOL hardware at 179, etc.). Compare with the claimed connecting... through the Internet. It is also believed that at this time, modems were very slow for an application such as handling multimedia in real time.

In the book, note page 131 that:

> Once again, Bill gates would change the game. On December 7, 1995, in a major speech, he declared that his company was going shift its entire business focus on the Internet. In addition, MSN would be porting its

Petitioner Microsoft Corporation, Ex. 1002, p. 5599

recently launched recently launched proprietary service to the web, initiating a massive redesign..."

With regard to testing age as part of the authentication process (e.g., claims 77-152, see the discussion beginning at page 141 regarding AOL developing adult supervision after the priority date of the instant patent application; see also page 223 etc. regarding "The House that Sex Chat Built." It is believed that authentication in the abstract probably existed, but it would be many years after the priority date of the instant patent application that ICQ and AIM would be able to handle multimedia instant messages and Yahoo would have voice text chat rooms, in connection with authentication.

Respectfully, it is my belief (with great uncertainty) that CUCME is perhaps the closest prior art because of what I understand was some multimedia capability, but such that users could dial in and participate under whatever name they opted for in the moment, in contrast with the claimed authentication.

As to claims covering on line authentication, 160 etc., I have little knowledge, and I believe that such software was loaded in connection with selling a computer (see the book at page 138 "Apple agreed to include AOL software on all Macintosh computers") or was perhaps provided by manual distribution of a disk or the like by mail, in the manner of the ubiquitous AOL CDs today. This is in contrast with an Internet media company such as Napster, which subsequent to the effective priority date of the instant patent application, has offered on line registration for downloading software.

The Examiner's attention is drawn to the portion of the instant patent application titled BACKGROUND OF THE INVENTION, which is believed to be accurate

Petitioner Microsoft Corporation, Ex. 1002, p. 5600

on point.

I am sorry that I have limited knowledge, and I already made of record those materials believed to be responsive to the questions raised in the Office Action. I would welcome the Examiner's call if I can assist further, as best I can, in cooperatively progressing into this subject matter. To some extent, the relatively large number of claims is attributable to my personal uncertainty in the art.

The undersigned wishes to take this opportunity to express appreciation in advance for the Examiner's handling of this case. The undersigned appreciates that this patent application is not directed to easy subject matter. In keeping with the spirit of paragraph 6 of the Office Action, the Examiner is invited to contact the undersigned if it can in any way expedite or ease the handling of this case.

The application, as amended, 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.

Respectfully submitted,

Date: 2 Dec 2002

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

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 5601

#20
LDJ
12-4-02

Regular Correspondence:
195 North Harbor Drive, Suite 5403, Chicago Illinois 60601-7540

Docketed Correspondence:
Post Office Box 7131, Chicago Illinois 60680-7131

Peter K. Trzyna, Esq.

Telephone: (312) 240-0824 Facsimile: (312) 240-0825

E-mail: pktlaw@email.msn.com

Fax

To: Examiner Patricia Winder	**Re:**
Firm: PTO	**Date / Time:** May 17, 2002
Street Address:	**Phone:** (703) 305-3938
City, State Zip:	**Fax:** (703) 746-7239
cc:	**No. of Pages:** 7 (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:

Received from < > at 12/2/02 4:09:39 PM [Eastern Standard Time]

I hereby certify that this correspondence is being filed by facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

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

Date 2 Dec 2002

PATENT

Paper No. 20

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.

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

TRANSMITAL LETTER

SIR:

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

1. Response and Request for Further Consideration.

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 any extension of time is deemed necessary to respond, this communication shall be deemed a request therefore.

Received from < > at 12/2/02 4:09:39 PM [Eastern Standard Time]

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

Respectfully submitted,

Date: 2 Dec 2002

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

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Received from < > at 12/2/02 4:09:39 PM [Eastern Standard Time]

I hereby certify that this correspondence is being filed by facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

By _____
Peter K. Trzyna (Reg. No. 32601)

Date 2 Dec 2002

PATENT

Paper No. 20

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.

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

RESPONSE AND REQUEST FOR RECONSIDERATION

S I R :

In response to the Office Action mailed 2 October 2002, in the above-referenced patent application, please reconsider the application in view of the remarks set forth below.

In the Office Action the Examiner has solicited information to assist in the examination of the patent application.

In response, especially pursuant to paragraph 6 in the Office Action, it is respectfully submitted that I am a sole practitioner patent attorney who has limited information with which to respond. I acquired rights to the patent application from a company that I believe went out of business years ago. I have attempted to

Received from < > at 12/2/02 4:09:39 PM [Eastern Standard Time]

communicate with p ople who were involved and who might be able to assist in me in responding to this Office Action, but I have not received any response.

To assist the Examiner, and in response to the Office Action, I write largely from my personal belief, rather than factual knowledge, and I imagine representative products and services today embodying the disclosed subject matter, or generally on point, include user-authenticated Internet multimedia products or services operating in real time, for example, multimedia instant messenger products, such as America On Line's ICQ and AIM, Internet multi-media chat rooms, such as those on Yahoo. Microsoft's Netmeeting, apparently released after the priority date of this application, may well also be relevant. This information was previously filed in connection with this patent application.

I believe that the state of the art at the time of the invention is perhaps best represented in the book "AOL.com" by Kara Swisher (filed in connection with this patent application), which discusses this era when users dialed directly into companies like AOL, a different beast than Internet connecting of today (see the 12th unnumbered page of pictures after page 174 "battling busy signals became a way of life for AOL users in late 1996..." and note the distinction on page 133: "The Internet was a pipe not a place, and AOL was a place with a pipe;" see also page 188 regarding how AOL was a portal to the Internet; and see the discussion of AOL hardware at 179, etc.). Compare with the claimed connecting... through the Internet. It is also believed that at this time, modems were very slow for an application such as handling multimedia in real time.

In the book, note page 131 that:

> Once again, Bill gates would change the game. On December 7, 1995, in a major speech, he declared that his company was going shift its entire business focus on the Internet. In addition, MSN would be porting its

Received from < > at 12/2/02 4:09:39 PM [Eastern Standard Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5606

recently launched rec ntly launched proprietary service to the web, initiating a massive redesign..."

With regard to testing age as part of the authentication process (e.g., claims 77-152, see the discussion beginning at page 141 regarding AOL developing adult supervision after the priority date of the instant patent application; see also page 223 etc. regarding "The House that Sex Chat Built." It is believed that authentication in the abstract probably existed, but it would be many years after the priority date of the instant patent application that ICQ and AIM would be able to handle multimedia instant messages and Yahoo would have voice text chat rooms, in connection with authentication.

Respectfully, it is my belief (with great uncertainty) that CUCME is perhaps the closest prior art because of what I understand was some multimedia capability, but such that users could dial in and participate under whatever name they opted for in the moment, in contrast with the claimed authentication.

As to claims covering on line authentication, 160 etc., I have little knowledge, and I believe that such software was loaded in connection with selling a computer (see the book at page 138 "Apple agreed to include AOL software on all Macintosh computers") or was perhaps provided by manual distribution of a disk or the like by mail, in the manner of the ubiquitous AOL CDs today. This is in contrast with an Internet media company such as Napster, which subsequent to the effective priority date of the instant patent application, has offered on line registration for downloading software.

The Examiner's attention is drawn to the portion of the instant patent application titled BACKGROUND OF THE INVENTION, which is believed to be accurate

Received from < > at 12/2/02 4:09:39 PM [Eastern Standard Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5607

on point.

I am sorry that I have limited knowledge, and I already made of record those materials believed to be responsive to the questions raised in the Office Action. I would welcome the Examiner's call if I can assist further, as best I can, in cooperatively progressing into this subject matter. To some extent, the relatively large number of claims is attributable to my personal uncertainty in the art.

The undersigned wishes to take this opportunity to express appreciation in advance for the Examiner's handling of this case. The undersigned appreciates that this patent application is not directed to easy subject matter. In keeping with the spirit of paragraph 6 of the Office Action, the Examiner is invited to contact the undersigned if it can in any way expedite or ease the handling of this case.

The application, as amended, 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.

Respectfully submitted,

Date: 2 Dec 2002

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

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Received from < > at 12/2/02 4:09:39 PM [Eastern Standard Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5608

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
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 10/02/2002

PETER K TRZYNA
P.O.BOX 7131
CHICAGO, IL 606807131

EXAMINER
WINDER, PATRICE L

ART UNIT	PAPER NUMBER
2155	19

DATE MAILED: 10/02/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.

EXAMINER

ART UNIT	PAPER
	19

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

PTO-90C (Rev.3-98)

1. Applicant and the assignee of this application are required under 37 CFR 1.105 to provide the following information that the examiner has determined is reasonably necessary to the examination of this application.

2. The information is required to identify products and services embodying the disclosed subject matter of claims 1-177 and identify the properties of similar products and services found in the prior art.

3. In response to this requirement, please provide the names of any products or services that have incorporated the claimed subject matter.

4. In response to this requirement, please state the specific improvements of the claimed subject matter in claims 1-177 over the disclosed prior art and indicate the specific elements in the claimed subject matter that provide those improvements. For those claims expressed as means or steps plus function, please provide the specific page and line numbers within the disclosure which describe the claimed structure and acts.

5. The fee and certification requirements of 37 C.F.R. § 1.97 are waived for those documents submitted in reply to this requirement. This waiver extends only to those documents within the scope of this requirement under 37 C.F.R. § 1.105 that are included in the applicant's first complete communication responding to this requirement. Any supplemental replies subsequent to the first communication responding to this requirement and any information disclosures beyond the scope of this requirement under 37 C.F.R. § 1.105 are subject to the fee and certification requirements of 37 C.F.R. § 1.97.

6. The applicant is reminded that the reply to this requirement must be made with candor and good faith under 37 CFR 1.56. Where the applicant does not have or cannot readily obtain an item of required information, a statement that the item is unknown or cannot be readily obtained will be accepted as a complete response to the requirement for that item.

7. This requirement is subject to the provisions of 37 C.F.R. §§ 1.134, 1.135 and 1.136 and has a shortened statutory period of two (2) months. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrice Winder whose telephone number is (703) 305-3938. The examiner can normally be reached on Monday-Friday from 10:30 AM to 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh, can be reached on (703) 305-9648. The fax phone number(s) for this Group are after final (703) 746-7238; official (703) 746-7239 and non-official/draft (703) 746-7240.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Patrice L. Winder
PATRICE WINDER
PRIMARY EXAMINER

OIPE JC184
JUL 0 8 2002
PATENT & TRADEMARK OFFICE

RECEIVED
JUL 1 2 2002
Technology Center 2100

2765
2161

#18

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: July 2, 2002

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

File: AIS-P99-1

RECEIVED
JUL 15 2002
GROUP 3600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
JUL 17 2002
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	P. Winder

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

SIR:

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.

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.

Best Available Copy

Petitioner Microsoft Corporation, Ex. 1002, p. 5613

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

Respectfully submitted,

Date: July 2, 2002

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

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

Best Available Copy

I hereby certify that this correspondence is being filed JUL 0 8 2002 depositing it with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

OIPE JC184 PATENT & TRADEMARK OFFICE

Date: July 2, 2002

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

PATENT

Paper No.

File: AIS-P99-1

RECEIVED JUL 12 2002 Technology Center 2100

RECEIVED JUL 17 2002 Technology Center 2100

RECEIVED JUL 15 2002 GROUP 3600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	P. Winder

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

SIR:

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, 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.

Best Available Copy

Petitioner Microsoft Corporation, Ex. 1002, p. 5615

I. COMMENT ON THE ENCLOSED ART

The section of the patent application subtitled "Background of the Inve identifies material believed to be material to, or of interest in, the examination of the appl and provides a concise explanation of the material. This Information Disclosure Sta transmits copies of information which the undersigned respectfully requests the Exami consider in the examination of the application.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. §§ 1.56, it is not intended that these constitute an admission of "prior art" for this invention. 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.

II. FEE

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

III. SIGNATURE

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,

Date: July 2, 2002

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

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

Best Available Copy

JUL 0 8 2002 PATENT & TRADEMARK OFFICE

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 (Use several sheets if necessary)	Applicant: Daniel L. Marks #18	
	Filing Date: September 20, 1999	Group: ~~2765~~ 2155

OIPE JUC164 JUL 0 8 2002 PATENT & TRADEMARK OFFICE

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
plw	C1	~~AOL.COM, Kara Swisher, Three Rivers Press, New York, NY, 1998, 1998~~
	C2	

RECEIVED JUL 15 2002 GROUP 36

RECEIVED JUL 17 2002 Technology Center 2100

RECEIVED JUL 12 2002 Technology Center 2100

EXAMINER: Patricia L. Winder	DATE CONSIDERED: Feb 10, 2003

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5617

OIPE JC79
JUN 11 2002
PATENT & TRADEMARK OFFICE

COPY OF PAPERS ORIGINALLY FILED
Copy

2765
2161

I hereby certify that this correspondence is being filed via facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: June 5, 2002

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No. 9

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
JUN 14 2002
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

SIR:

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

1. Fifth Preliminary Amendment; and
2. Amended Version of the Claims.

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5618

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

Respectfully submitted,

Date: June 5, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5619

I hereby certify that this correspondence is being filed via facsimile with confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: June 5, 2002

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

PATENT

Paper No. 9

File: AIS-P99-1

COPY OF PAPERS ORIGINALLY FILED

RECEIVED
JUN 14 2002
Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

FIFTH PRELIMINARY AMENDMENT

SIR:

Please enter the following amendment and reconsider the application in view of the amendment set forth below.

I. Amendment

A. In the Claims

Please amend the claims as follows:

1. (Fourth Amendment) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet, each said participator computer connected to an input device to receive

Petitioner Microsoft Corporation, Ex. 1002, p. 5620

input information from a respective user and to an output device, each said user having a user identity;

programming the controller computer to control distributing the communication;

programming the participator computers to enable receiving the communication;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which one of the participator computers can receive the communication, including a sound, a video, a graphic, a pointer-triggered message, or a combination thereof, wherein said arbitrating with said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data; and

distributing, in accordance with the predefined rules, the communication in real time over the Internet to the one of the participator computers.

160. (Once Amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a sound, a video, a graphic, a pointer-triggered message, or a combination thereof, wherein said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data, and wherein said communication is controlled by using said user identity;

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real

Petitioner Microsoft Corporation, Ex. 1002, p. 5621

time over the Internet network to at least one of said participator computers.

165. (Twice Amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a sound, a video, a graphic, a pointer-triggered message, or a combination thereof, wherein said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data;

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real time over the Internet network to at least one of said participator computers.

Please add new claims 172-176 as follows:

172. The method of claim 1, wherein at least one of said steps of programming includes some programming in java.

173. The method of claim 1, wherein said step of arbitrating is carried out with said test of authenticated user identity obtained by communication over the Internet network in registering for an account .

Petitioner Microsoft Corporation, Ex. 1002, p. 5622

174. The method of claim 1, wherein the step of arbitrating is carried out with the pointer-triggered message being a URL pointer-triggered message.

175. The method of claim 160, wherein one of said steps is carried out by using some java programming.

176. The method of claim 165, wherein one of said steps is carried out by using some java programming.

II FEE

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.

III CONCLUSION

The application, as amended, is believed to be in condition for allowance, and favorable action is requested. The Examiner is invited to contact the undersigned at (312) 240-0824 if it can in any way expedite or ease the handling of this case. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: June 5, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5623

OIPE JC79
JUN 11 2002
PATENT & TRADEMARK OFFICE

COPY OF PAPERS ORIGINALLY FILED

I hereby certify that this correspondence is being filed via facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: June 5, 2002

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No. 9

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

AMENDED VERSION OF THE CLAIMS

S I R :

Set forth below is the amended version of the claims.

1. (Fourth Amendment) A method for using a computer system to [arbitrate and] distribute communication over [the] an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet, each said participator computer connected to an input device to receive input information from a respective user and to an output device, each said user having a user identity;

programming the controller computer to control distributing the communication;

programming the participator computers to enable receiving the communication;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which one of the participator computers can receive the communication, including a [communication of] sound, a video, a graphic, a pointer-triggered [communication] message, or a combination thereof, wherein said arbitrating with said pointer-triggered [communication] message includes said controller computer using said pointer to fetch [a] pre-stored data [communication to the one of the participator computers]; and

distributing, in accordance with the predefined rules, the communication in real time over the Internet to the one of the participator computers.

160. (Once Amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a [communication of] sound, a video, a graphic, a [URL] pointer-triggered message, or a combination thereof, wherein said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data, and wherein said communication is controlled by using said user identity;

Petitioner Microsoft Corporation, Ex. 1002, p. 5625

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real time over the Internet network to at least one of said participator computers.

165. (Twice Amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a [communication of] sound, a video, a graphic, a pointer-triggered [communication] message, or a combination thereof, wherein said [arbitrating with said] pointer-triggered [communication] message includes said controller computer using said pointer to fetch [a] pre-stored data [communication to the one of the participator computers, wherein said communication is controlled by said user identity];

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real time over the Internet network to at least one of said participator computers.

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5626

The application, as amended, is believed to be in condition for allowance, and favorable action is requested. The Examiner is invited to contact the undersigned at (312) 240-0824 if it can in any way expedite or ease the handling of this case. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: June 5, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5627

6/6/02

I hereby certify that this correspondence is being filed via facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: June 5, 2002

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

PATENT

Paper No. 9

File: AIS-P99-1

16E

6-6-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

06/07/2002 DHALL1 00000001 500235 09399578
01 FC:103 90.00 CH

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

FIFTH PRELIMINARY AMENDMENT

S I R :

Please enter the following amendment and reconsider the application in view of the amendment set forth below.

I. Amendment

A. In the Claims

Please amend the claims as follows:

1. (Fourth Amendment) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet, each said participator computer connected to an input device to receive

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

Regular Correspondence:
195 North Harbor Drive, Suite 5403, Chicago Illinois 60601-7540

Docketed Correspondence:
Post Office Box 7131, Chicago Illinois 60680-7131

Peter K. Trzyna, Esq.

Telephone: (312) 240-0824 Facsimile: (312) 240-0825

E-mail: pktlaw@email.msn.com

Fax

To: Examiner Patrice Winder	**Re:** 09/399,578 Fifth Preliminary Amendment
Firm: United States Patent and Trademark Office	**Date / Time:** June 5, 2002
Street Address:	**Phone:** (703) 305-3938
City, State Zip: Washington, D.C., 20231	**Fax:** (703) 746-7239
cc:	**No. of Pages:** 11 (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:

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

I hereby certify that this correspondence is being filed via facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: JUNE 5 2002

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

PATENT

Paper No. 9

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

SIR:

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

1. Fifth Preliminary Amendment; and
2. Amended Version of the Claims.

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.

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5630

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

Respectfully submitted,

Date: June 5, 2002

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

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

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5631

input information from a respective user and to an output device, each said user having a user identity;

programming the controller computer to control distributing the communication;

programming the participator computers to enable receiving the communication;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which one of the participator computers can receive the communication, including a sound, a video, a graphic, a pointer-triggered message, or a combination thereof, wherein said arbitrating with said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data; and

distributing, in accordance with the predefined rules, the communication in real time over the Internet to the one of the participator computers.

160. (Once Amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a sound, a video, a graphic, a pointer-triggered message, or a combination thereof, wherein said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data, and wherein said communication is controlled by using said user identity;

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5632

time over the Internet network to at least one of said participator computers.

165. (Twice Amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a sound, a video, a graphic, a pointer-triggered message, or a combination thereof, wherein said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data;

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real time over the Internet network to at least one of said participator computers.

Please add new claims 172-176 as follows:

172. The method of claim 1, wherein at least one of said steps of programming includes some programming in java.

173. The method of claim 1, wherein said step of arbitrating is carried out with said test of authenticated user identity obtained by communication over the Internet network in registering for an account .

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5633

174. The method of claim 1, wherein the step of arbitrating is carried out with the pointer-triggered message being a URL pointer-triggered message.

175. The method of claim 160, wherein one of said steps is carried out by using some java programming.

176. The method of claim 165, wherein one of said steps is carried out by using some java programming.

II FEE

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.

III CONCLUSION

The application, as amended, is believed to be in condition for allowance, and favorable action is requested. The Examiner is invited to contact the undersigned at (312) 240-0824 if it can in any way expedite or ease the handling of this case. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: June 5, 2002

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

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

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5634

I hereby certify that this correspondence is being filed via facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: June 5, 2002

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

PATENT

Paper No. 9

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

AMENDED VERSION OF THE CLAIMS

SIR:

Set forth below is the amended version of the claims.

1. (Fourth Amendment) A method for using a computer system to [arbitrate and] distribute communication over [the] an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet, each said participator computer connected to an input device to receive input information from a respective user and to an output device, each said user having a user identity;

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

programming th controller computer to control distributing the communication;

programming the participator computers to enable receiving the communication;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which one of the participator computers can receive the communication, including a [communication of] sound, a video, a graphic, a pointer-triggered [communication] message, or a combination thereof, wherein said arbitrating with said pointer-triggered [communication] message includes said controller computer using said pointer to fetch [a] pre-stored data [communication to the one of the participator computers]; and

distributing, in accordance with the predefined rules, the communication in real time over the Internet to the one of the participator computers.

160. (Once Amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a [communication of] sound, a video, a graphic, a [URL] pointer-triggered message, or a combination thereof, wherein said pointer-triggered message includes said controller computer using said pointer to fetch pre-stored data, and wherein said communication is controlled by using said user identity;

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5636

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real time over the Internet network to at least one of said participator computers.

165. (Twice Amended) A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a [communication of] sound, a video, a graphic, a pointer-triggered [communication] message, or a combination thereof, wherein said [arbitrating with said] pointer-triggered [communication] message includes said controller computer using said pointer to fetch [a] pre-stored data [communication to the one of the participator computers, wherein said communication is controlled by said user identity];

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real time over the Internet network to at least one of said participator computers.

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.

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5637

The application, as amended, is believed to be in condition for allowance, and favorable action is requested. The Examiner is invited to contact the undersigned at (312) 240-0824 if it can in any way expedite or ease the handling of this case. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: June 5, 2002

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

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

Received from < > at 6/5/02 2:33:09 PM [Eastern Daylight Time]

Petitioner Microsoft Corporation, Ex. 1002, p. 5638

OIPE JC68 JUN 03 2002 PATENT & TRADEMARK OFFICE

COPY OF PAPERS ORIGINALLY FILED

2155
#17
B7
6/14/02

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: May 24, 2002

Signed: PKT
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No. 8

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
JUN 10 2002
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

S I R :

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

1. Submission of Formal Drawings; and
2. Formal Drawings, Sheets 1-22, Figures 1-34.

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5639

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

Respectfully submitted,

Date: May 24, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5640

OIPE JC68 JUN 03 2002 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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: May 24, 2002

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

PATENT

Paper No. 8

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
JUN 10 2002
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

SUBMISSION OF FORMAL DRAWINGS

S I R :

Please enter the enclosed formal drawings Figs. 1-34, sheet 1-22 in the above-identified application.

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.

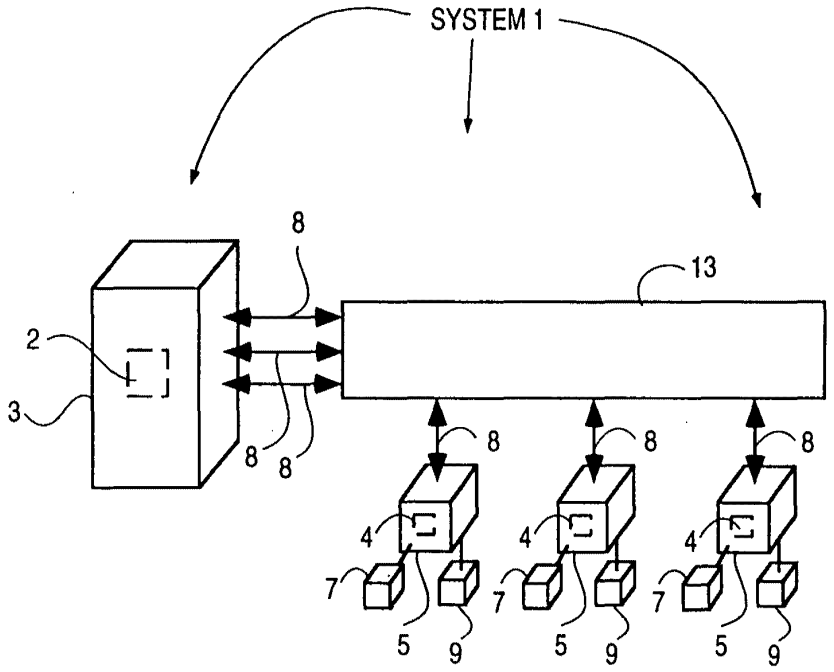
Respectfully submitted,

Date: May 24, 2002

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

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

FIG. 1



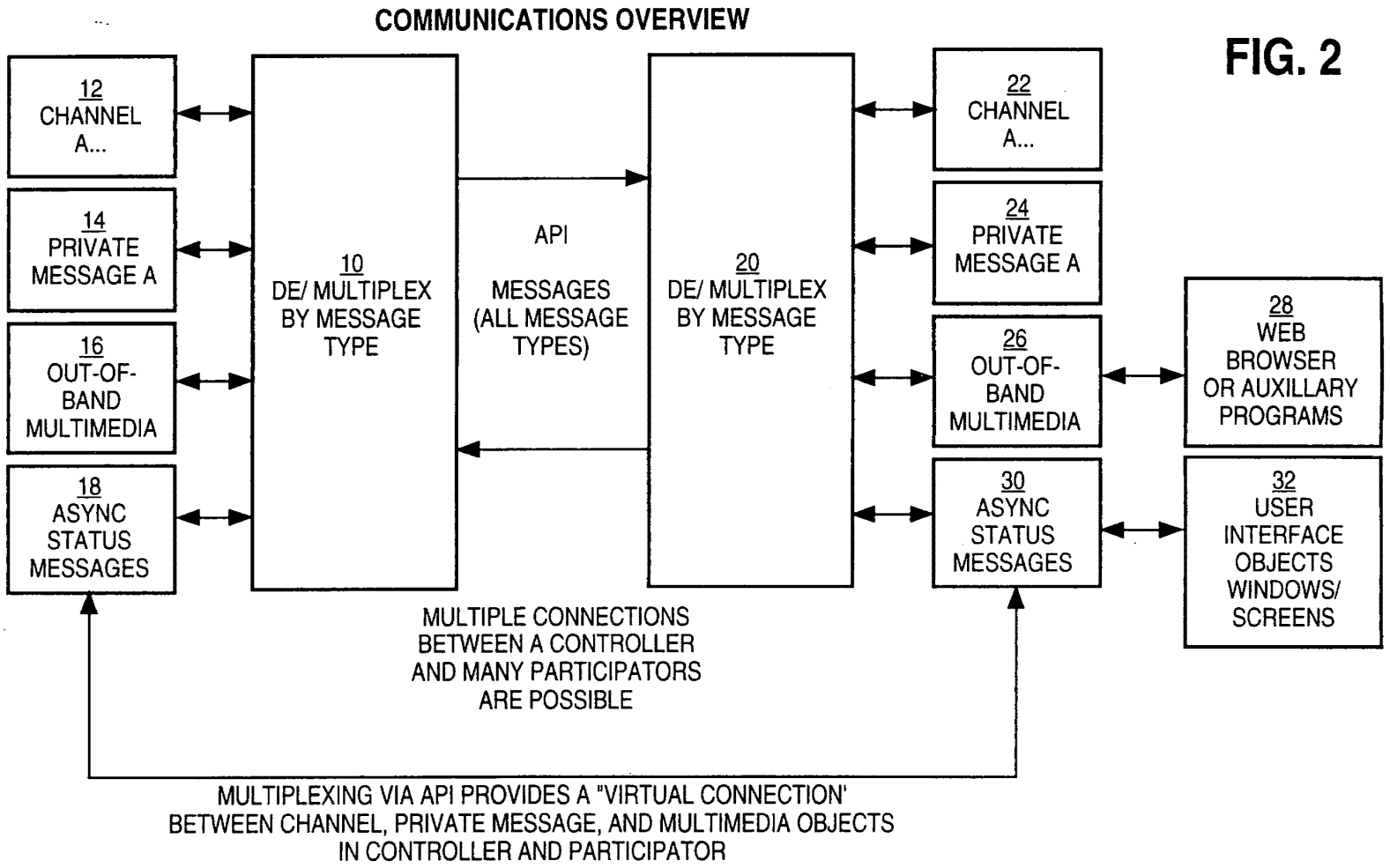

COMMUNICATIONS OVERVIEW
12 CHANNEL A...
14 PRIVATE MESSAGE A
16 OUT-OF-BAND MULTIMEDIA
18 ASYNC STATUS MESSAGES
10 DE/ MULTIPLEX BY MESSAGE TYPE
API
MESSAGES (ALL MESSAGE TYPES)
20 DE/ MULTIPLEX BY MESSAGE TYPE
22 CHANNEL A...
24 PRIVATE MESSAGE A
26 OUT-OF-BAND MULTIMEDIA
30 ASYNC STATUS MESSAGES
28 WEB BROWSER OR AUXILLARY PROGRAMS
32 USER INTERFACE OBJECTS WINDOWS/ SCREENS
MULTIPLE CONNECTIONS BETWEEN A CONTROLLER AND MANY PARTICIPATORS ARE POSSIBLE
MULTIPLEXING VIA API PROVIDES A "VIRTUAL CONNECTION" BETWEEN CHANNEL, PRIVATE MESSAGE, AND MULTIMEDIA OBJECTS IN CONTROLLER AND PARTICIPATOR

FIG. 2

FIG. 3

DATA AND COMMUNICATIONS DEPENDENCY DIAGRAM CONTROLLER GROUP CHANNEL STRUCTURE

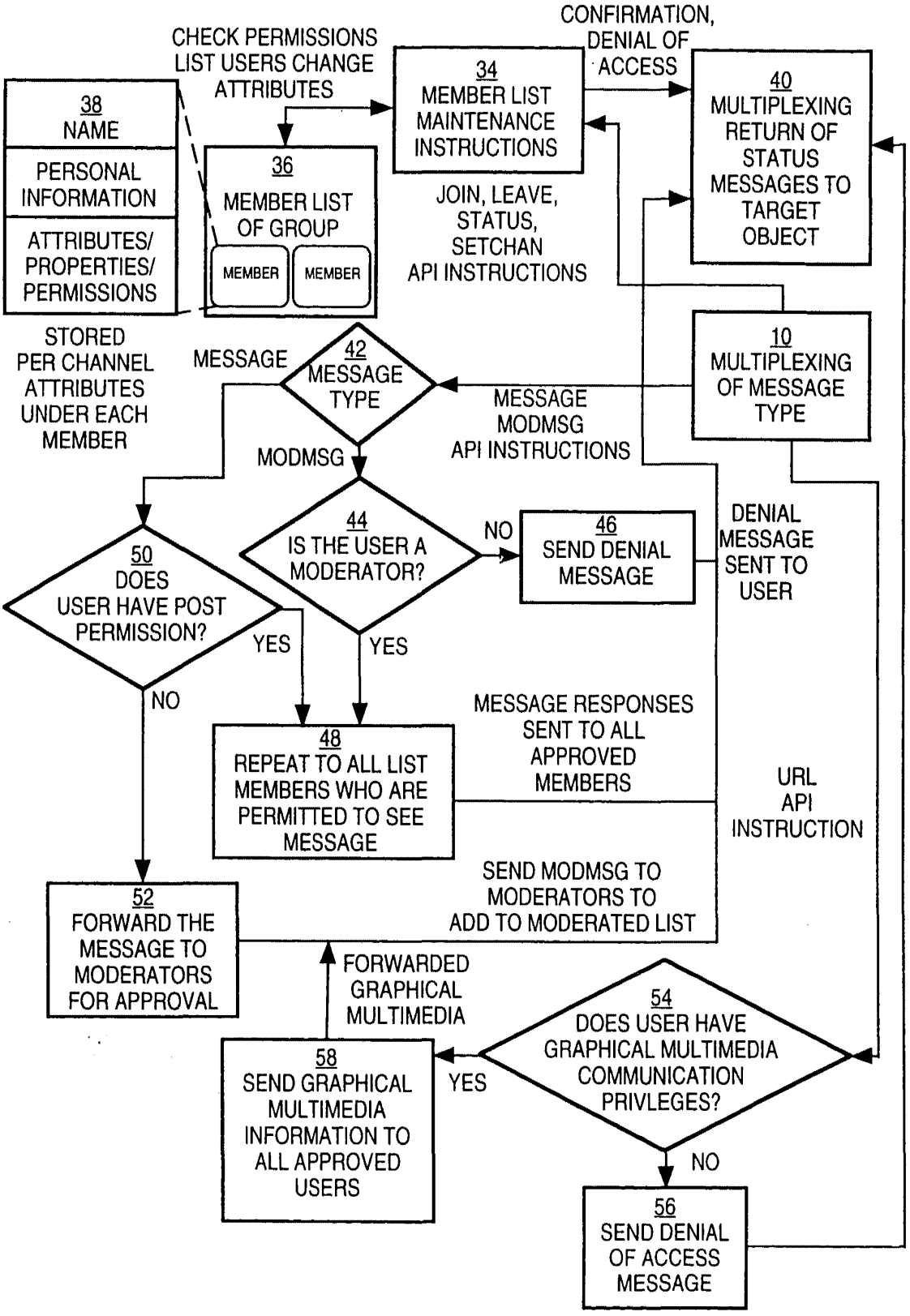


FIG. 4

CENTRAL CONTROLLER LOOP COMMUNICATIONS

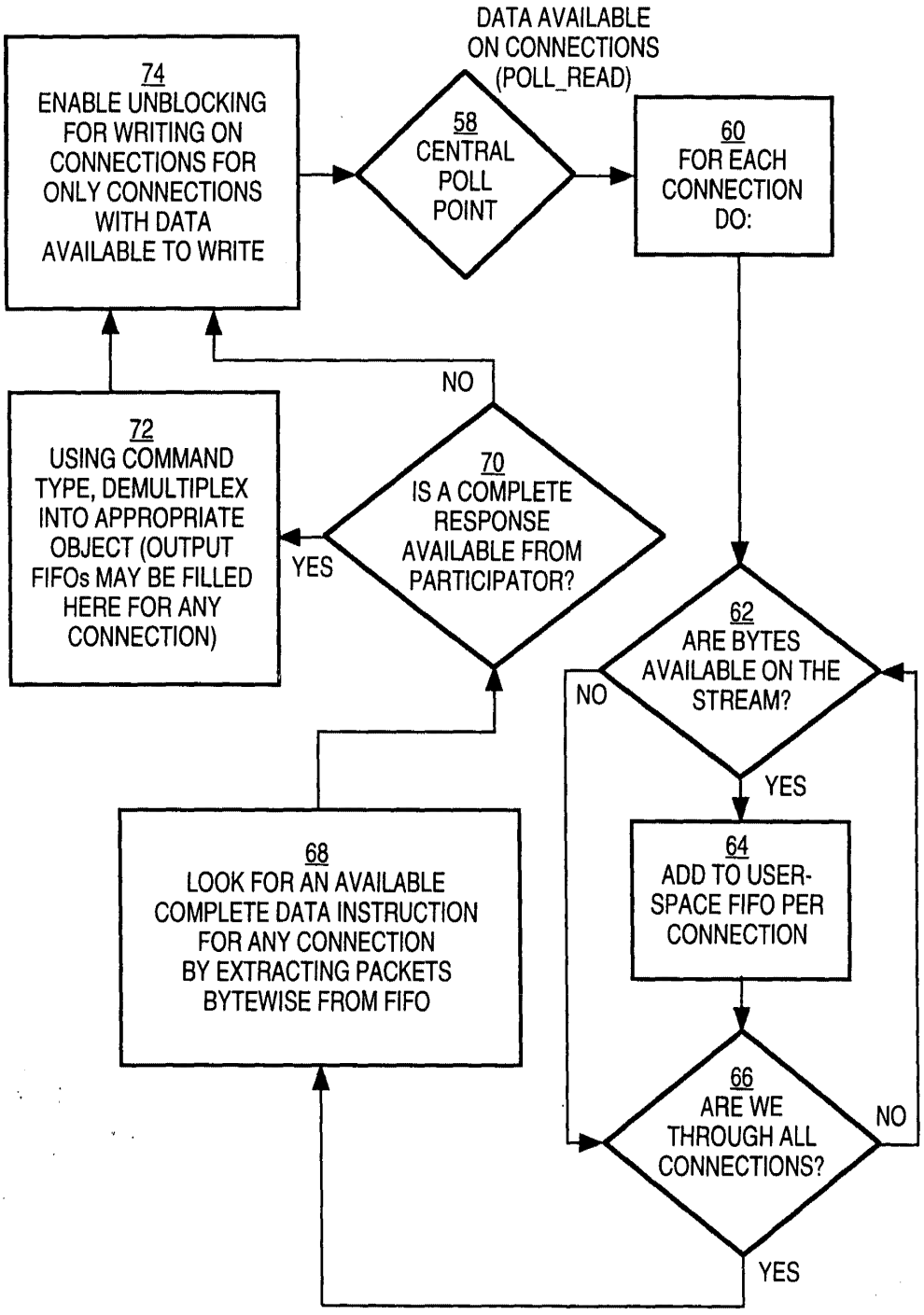


FIG. 5

CLIENT CHANNEL DATA STRUCTURE AND INFORMATION FLOW DIAGRAM

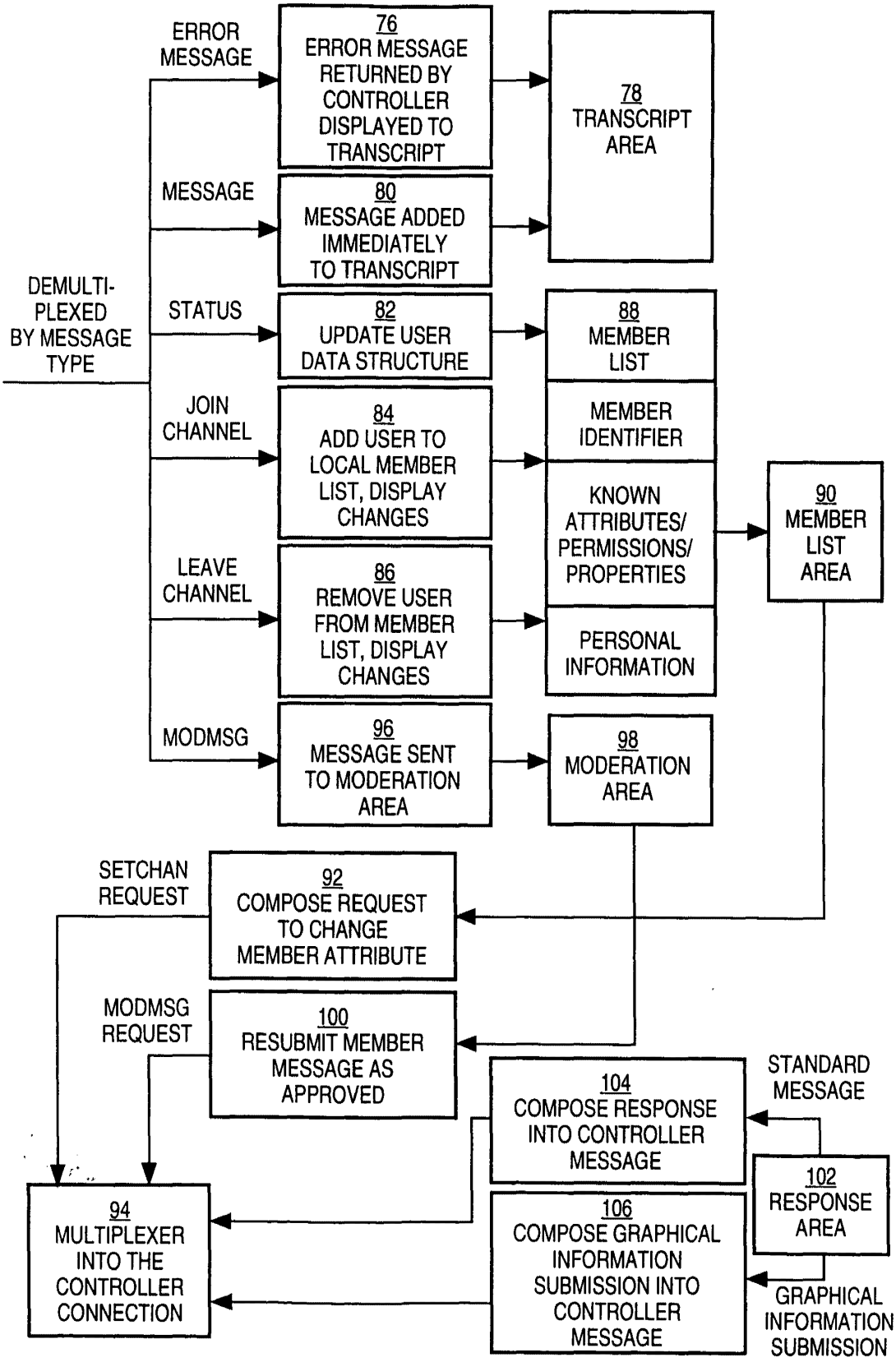


FIG. 6

PARTICIPATION SOFTWARE OUT-OF-BAND MULTIMEDIA
OUT-OF-BAND MULTIMEDIA INFORMATION FLOW DIAGRAM

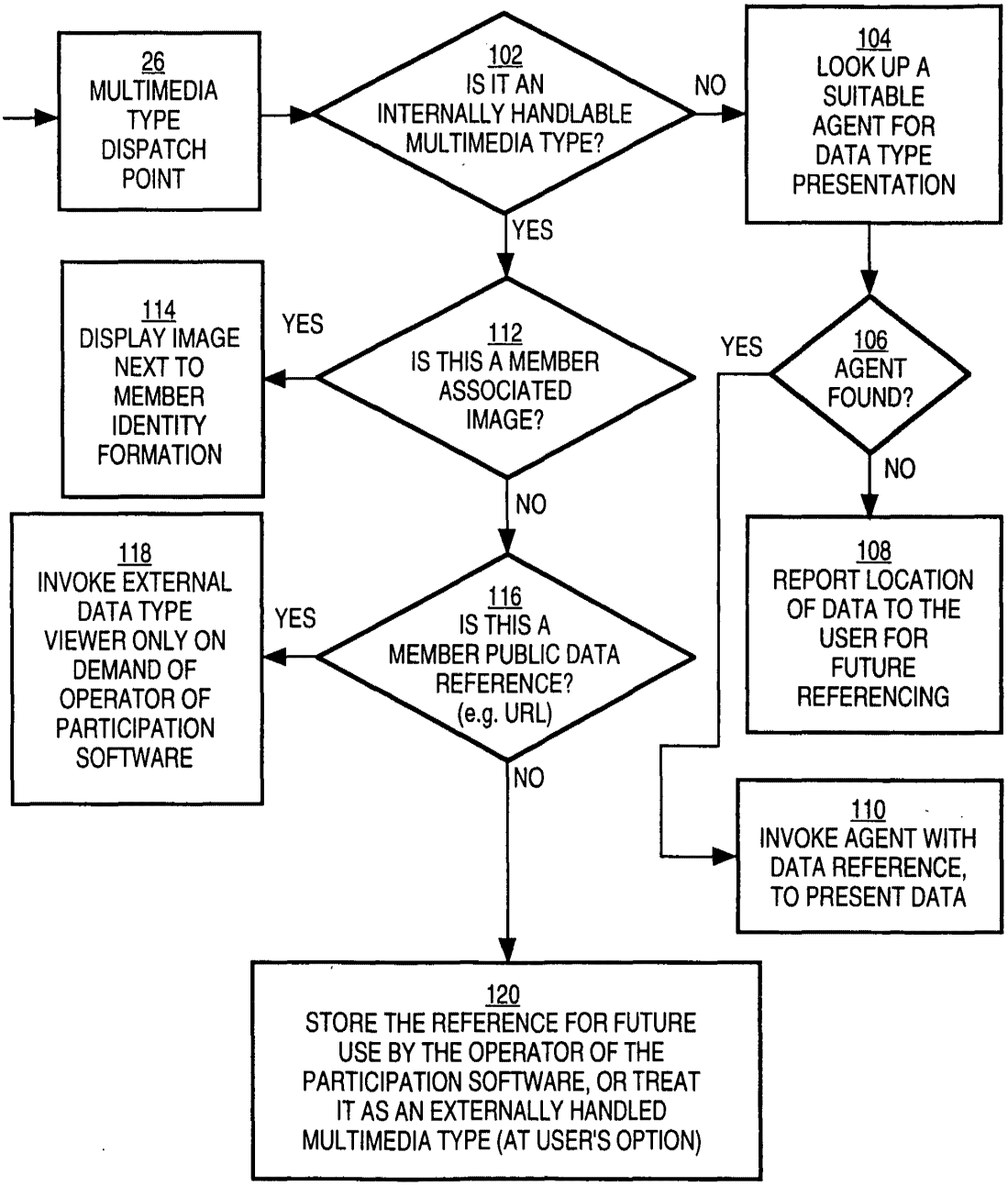


FIG. 7

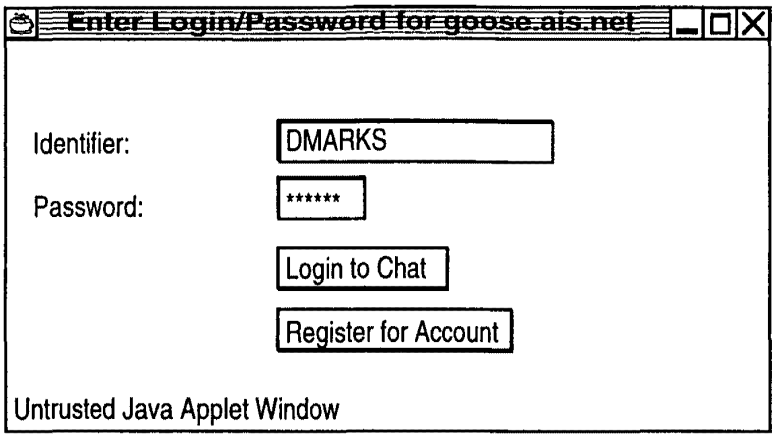

Enter Login/Password for goose.ais.net
Identifier:
DMARKS
Password:
******
Login to Chat
Register for Account
Untrusted Java Applet Window

FIG. 8

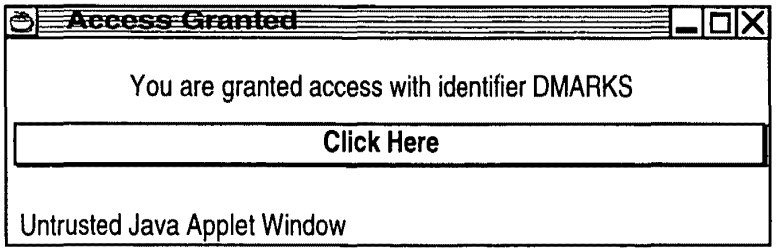

Access Granted
You are granted access with identifier DMARKS
Click Here
Untrusted Java Applet Window

FIG. 9

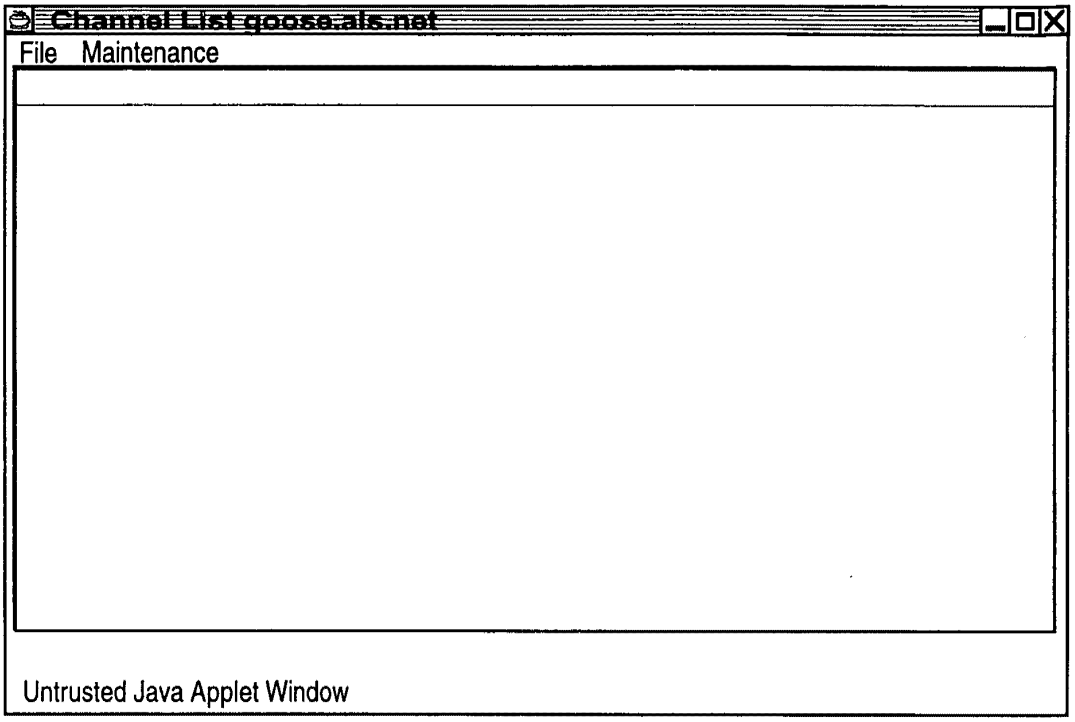

Channel List goose.als.net
File Maintenance
Untrusted Java Applet Window

FIG. 10

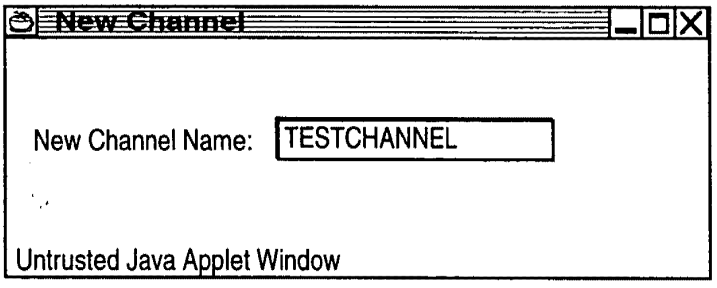

New Channel
New Channel Name:
TESTCHANNEL
Untrusted Java Applet Window

FIG. 11

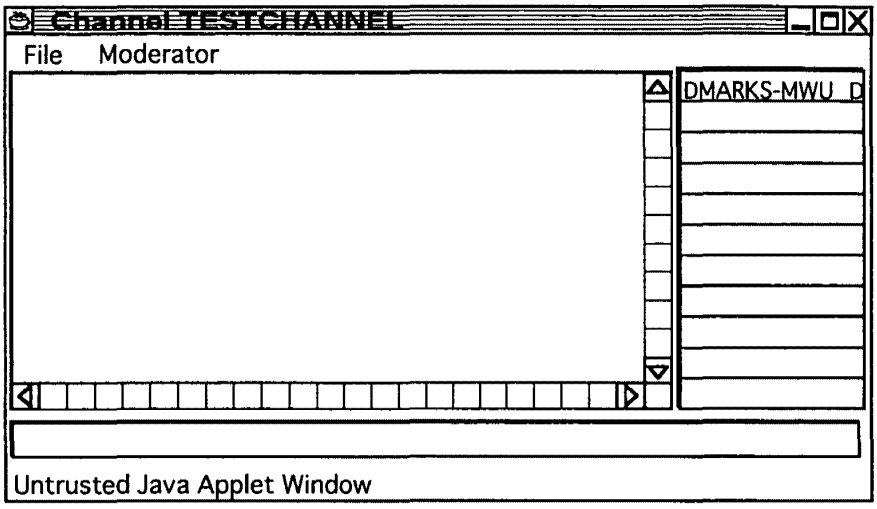

Channel TESTCHANNEL
File
Moderator
DMARKS-MWU_D
Untrusted Java Applet Window

FIG. 12

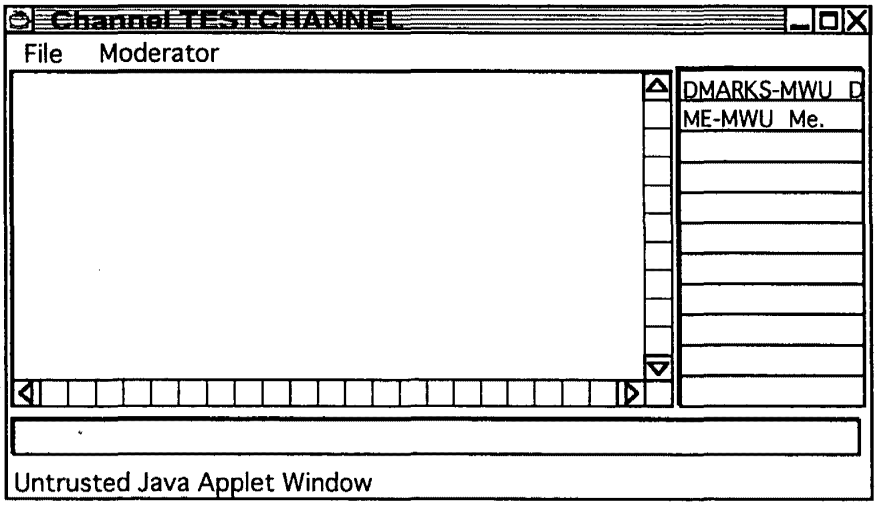

Channel TESTCHANNEL
File
Moderator
DMARKS-MWU_D
ME-MWU_Me.
Untrusted Java Applet Window

FIG. 13

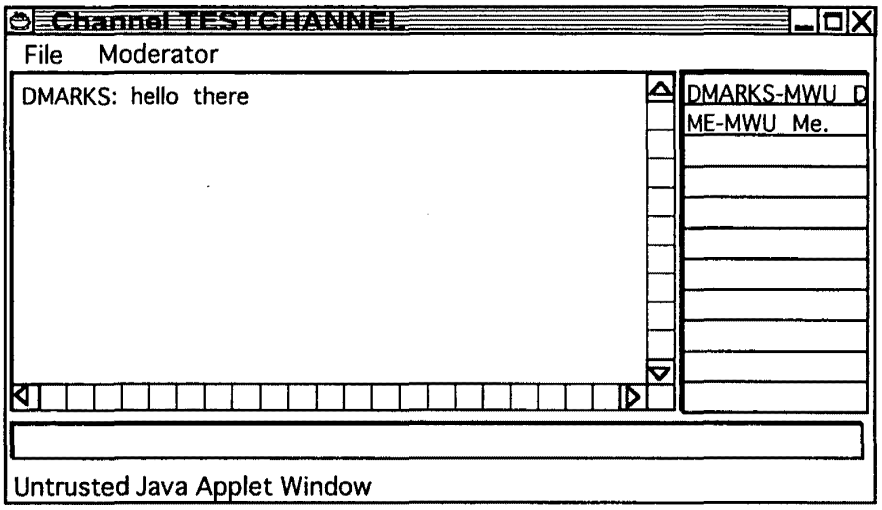

Channel TESTCHANNEL
File Moderator
DMARKS: hello there
DMARKS-MWU D
ME-MWU Me.
Untrusted Java Applet Window

FIG. 14

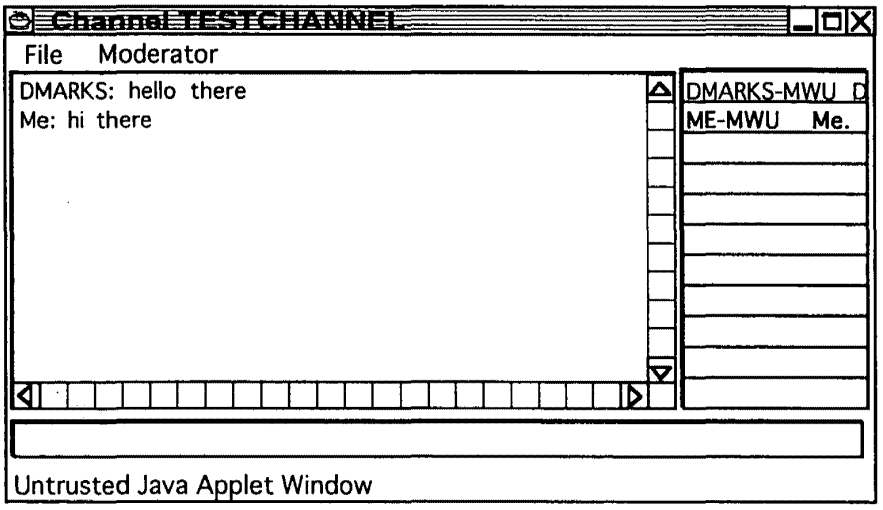

Channel TESTCHANNEL
File Moderator
DMARKS: hello there
Me: hi there
DMARKS-MWU D
ME-MWU Me.
Untrusted Java Applet Window

FIG. 15

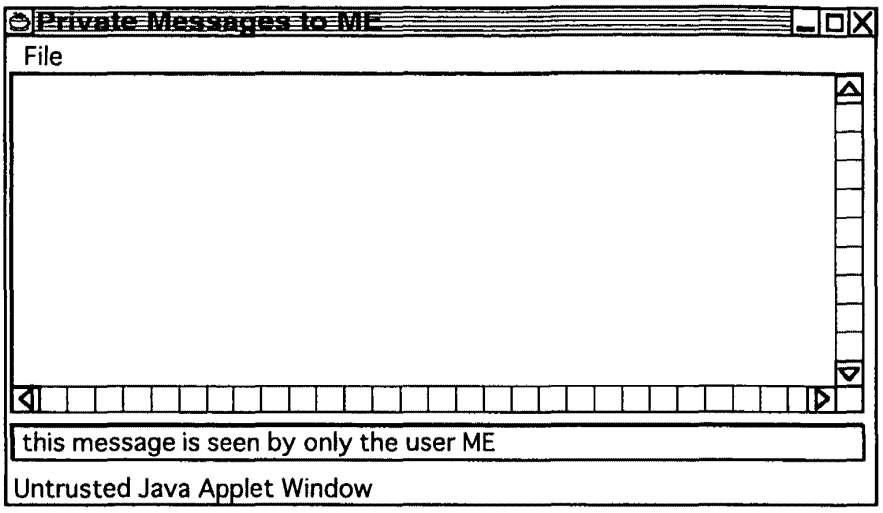

Private Messages to ME
File
this message is seen by only the user ME
Untrusted Java Applet Window

FIG. 16

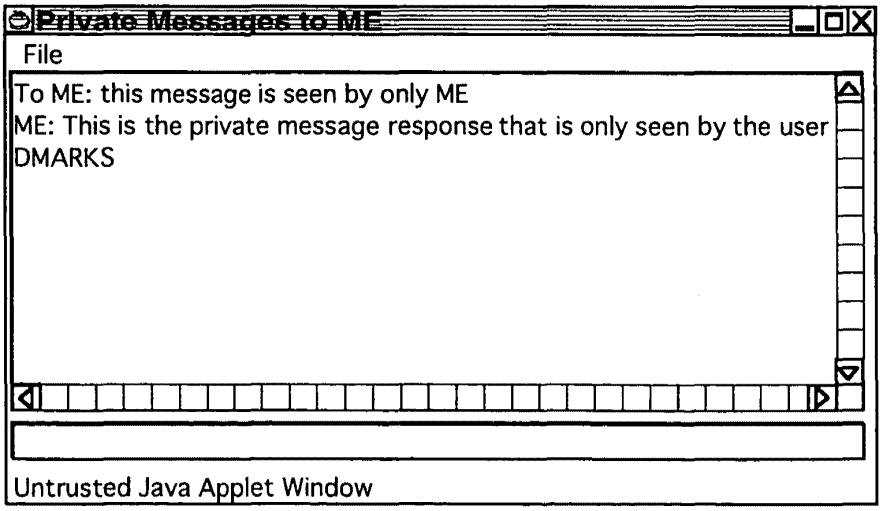

Private Messages to ME
File
To ME: this message is seen by only ME
ME: This is the private message response that is only seen by the user DMARKS
Untrusted Java Applet Window

FIG. 17

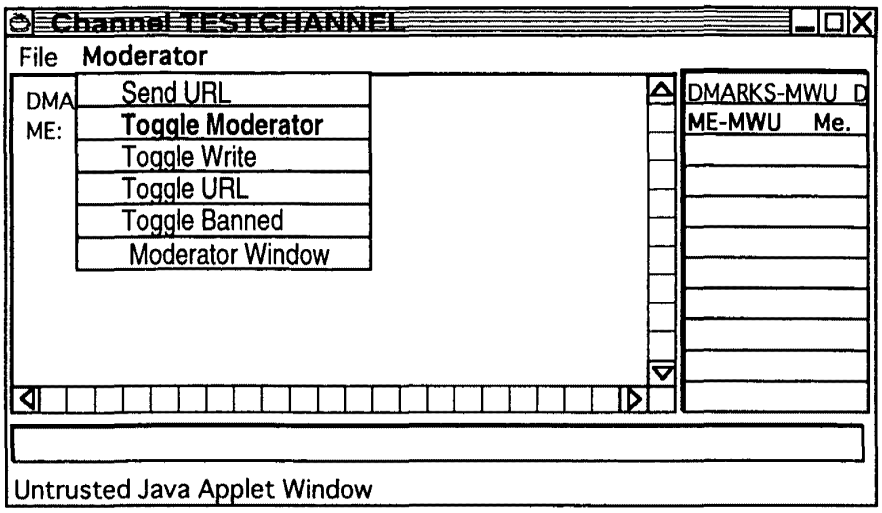

Channel TESTCHANNEL
File Moderator
DMA
ME:
Send URL
Toggle Moderator
Toggle Write
Toggle URL
Toggle Banned
Moderator Window
DMARKS-MWU D
ME-MWU Me.
Untrusted Java Applet Window

FIG. 18

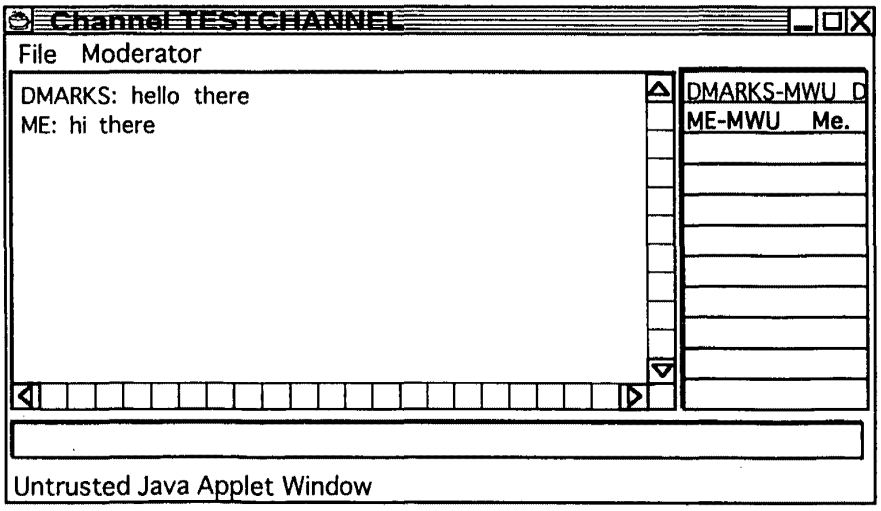

Channel TESTCHANNEL
File Moderator
DMARKS: hello there
ME: hi there
DMARKS-MWU D
ME-MWU Me.
Untrusted Java Applet Window

FIG. 19

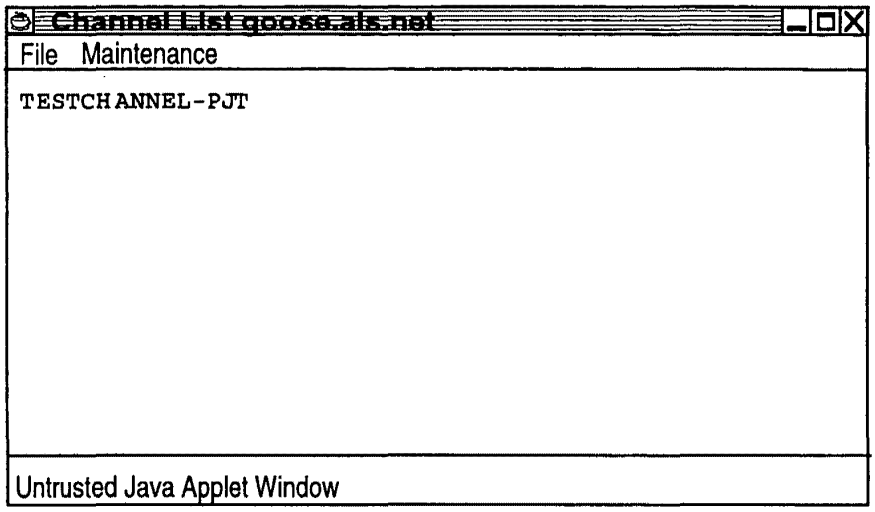

Channel List goose.als.net
File Maintenance
TESTCHANNEL-PJT
Untrusted Java Applet Window

FIG. 20

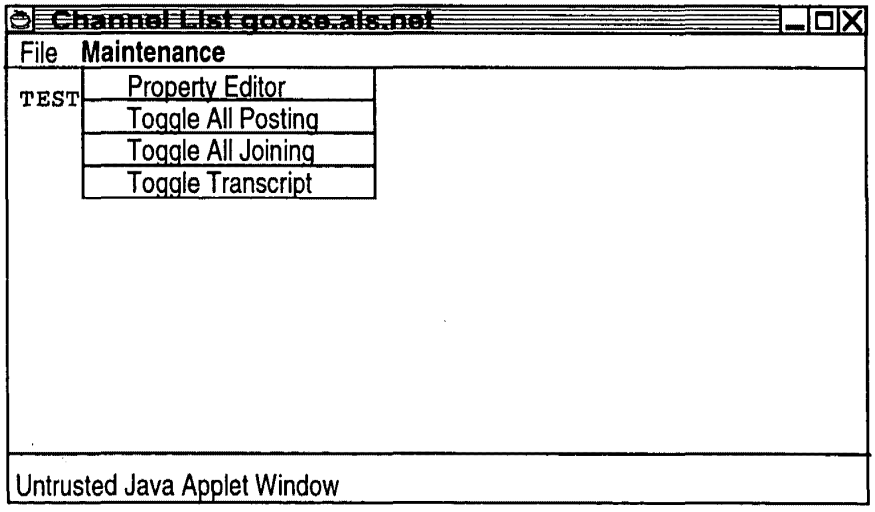

Channel List goose.als.net
File Maintenance
TEST
Property Editor
Toggle All Posting
Toggle All Joining
Toggle Transcript
Untrusted Java Applet Window

FIG. 21

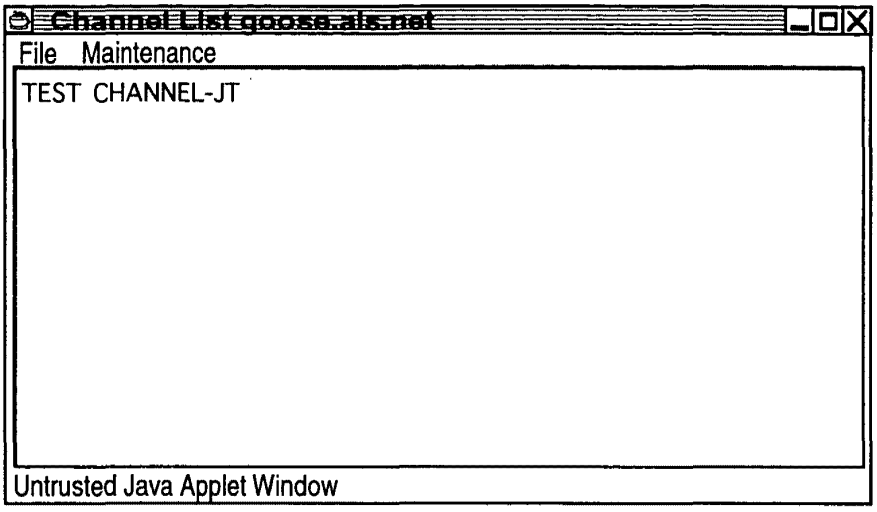

Channel List goose.als.net
File Maintenance
TEST CHANNEL-JT
Untrusted Java Applet Window

FIG. 22

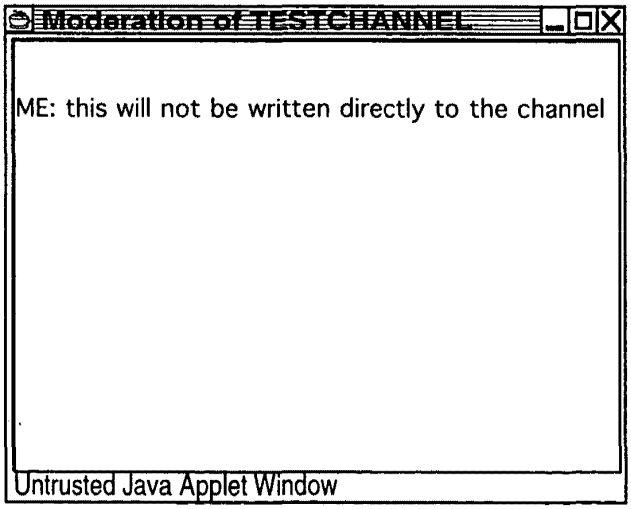

Moderation of TESTCHANNEL
ME: this will not be written directly to the channel
Untrusted Java Applet Window

FIG. 23

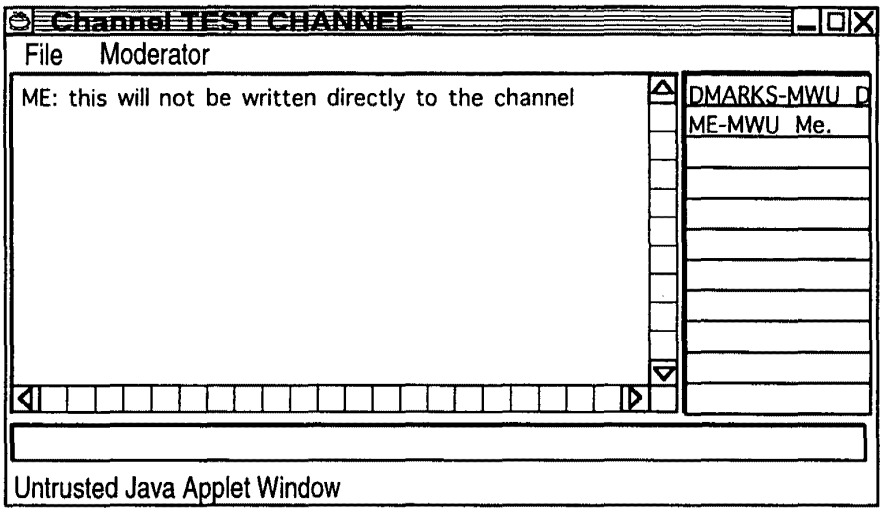

Channel TEST CHANNEL
File
Moderator
ME: this will not be written directly to the channel
DMARKS-MWU_D
ME-MWU_Me.
Untrusted Java Applet Window

FIG. 24

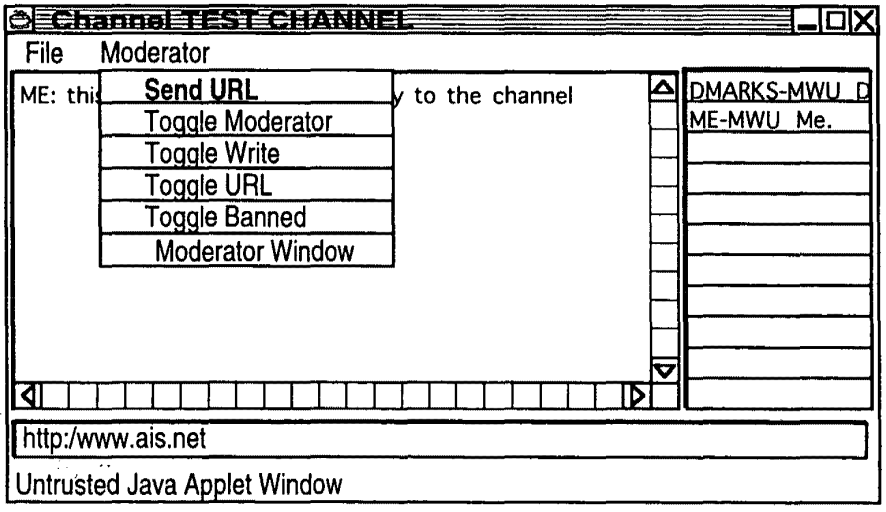

Channel TEST CHANNEL
File
Moderator
ME: thi
Send URL
Toggle Moderator
Toggle Write
Toggle URL
Toggle Banned
Moderator Window
y to the channel
DMARKS-MWU_D
ME-MWU_Me.
http:/www.ais.net
Untrusted Java Applet Window

FIG. 25

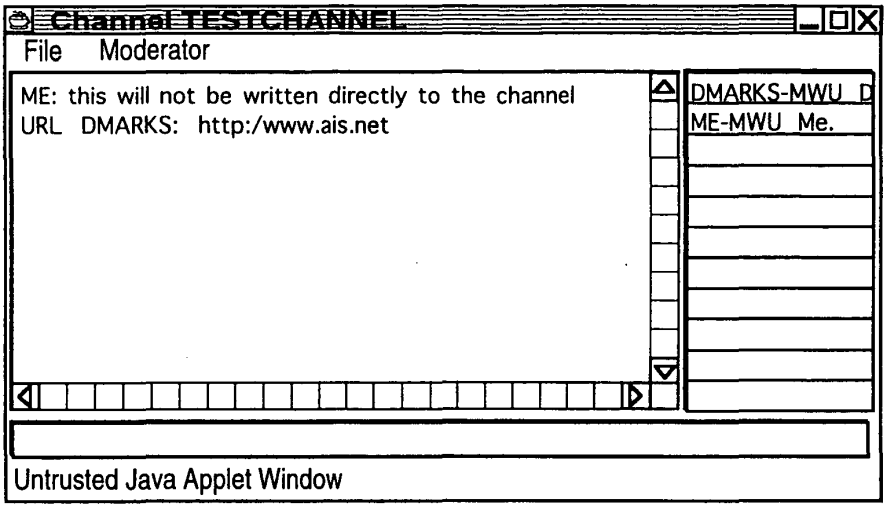

Channel TESTCHANNEL
File Moderator
ME: this will not be written directly to the channel
URL DMARKS: http:/www.ais.net
DMARKS-MWU D
ME-MWU Me.
Untrusted Java Applet Window

FIG. 26

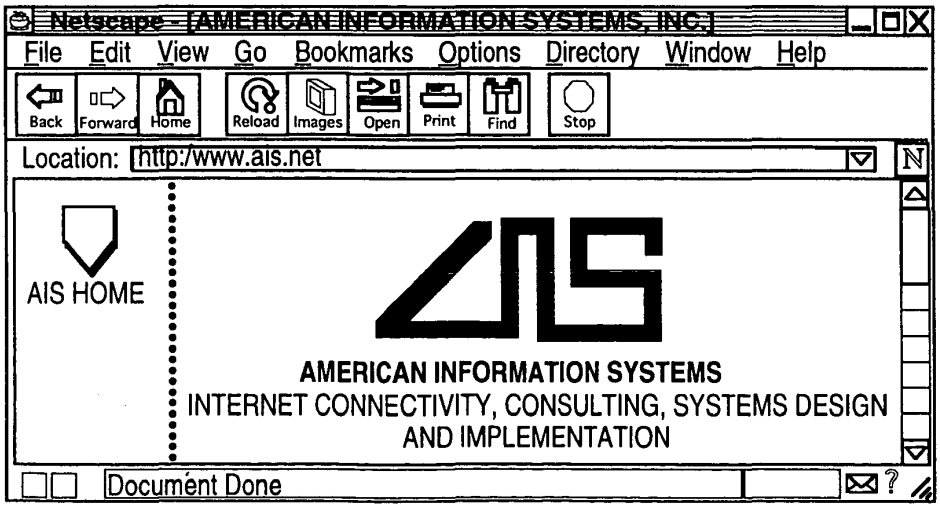

Netscape - [AMERICAN INFORMATION SYSTEMS, INC.]
File Edit View Go Bookmarks Options Directory Window Help
Back Forward Home Reload Images Open Print Find Stop
Location: http:/www.ais.net
AIS HOME
AMERICAN INFORMATION SYSTEMS
INTERNET CONNECTIVITY, CONSULTING, SYSTEMS DESIGN AND IMPLEMENTATION
Document Done

FIG. 27

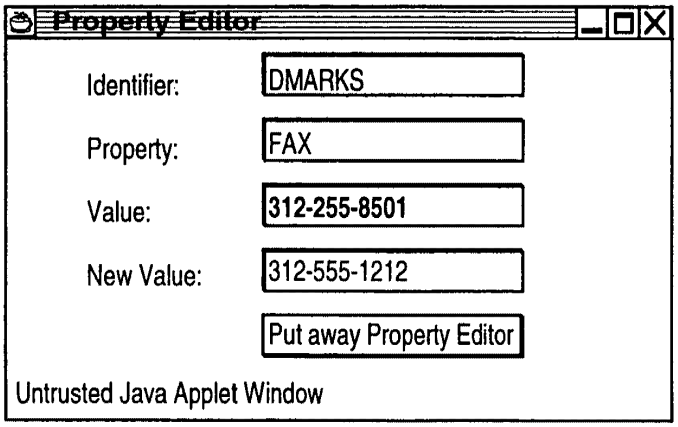

Property Editor
Identifier:
DMARKS
Property:
FAX
Value:
312-255-8501
New Value:
312-555-1212
Put away Property Editor
Untrusted Java Applet Window

FIG. 28

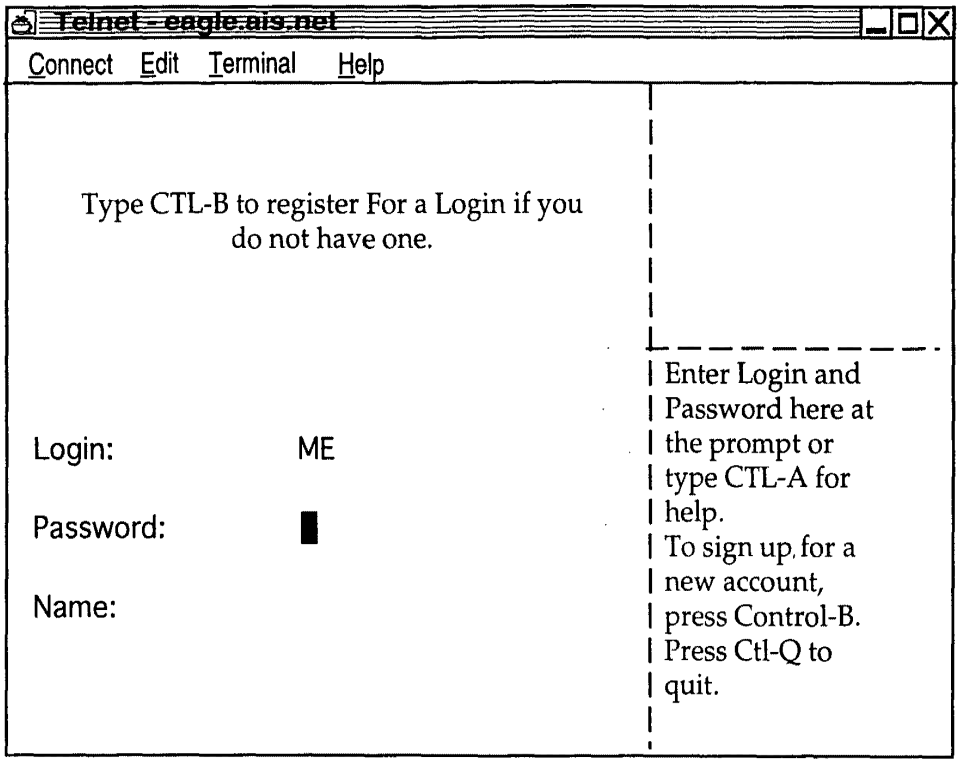

Telnet - eagle.airs.net
Connect Edit Terminal Help
Type CTL-B to register For a Login if you do not have one.
Login: ME
Password:
Name:
Enter Login and Password here at the prompt or type CTL-A for help.
To sign up for a new account, press Control-B.
Press Ctl-Q to quit.

FIG. 29

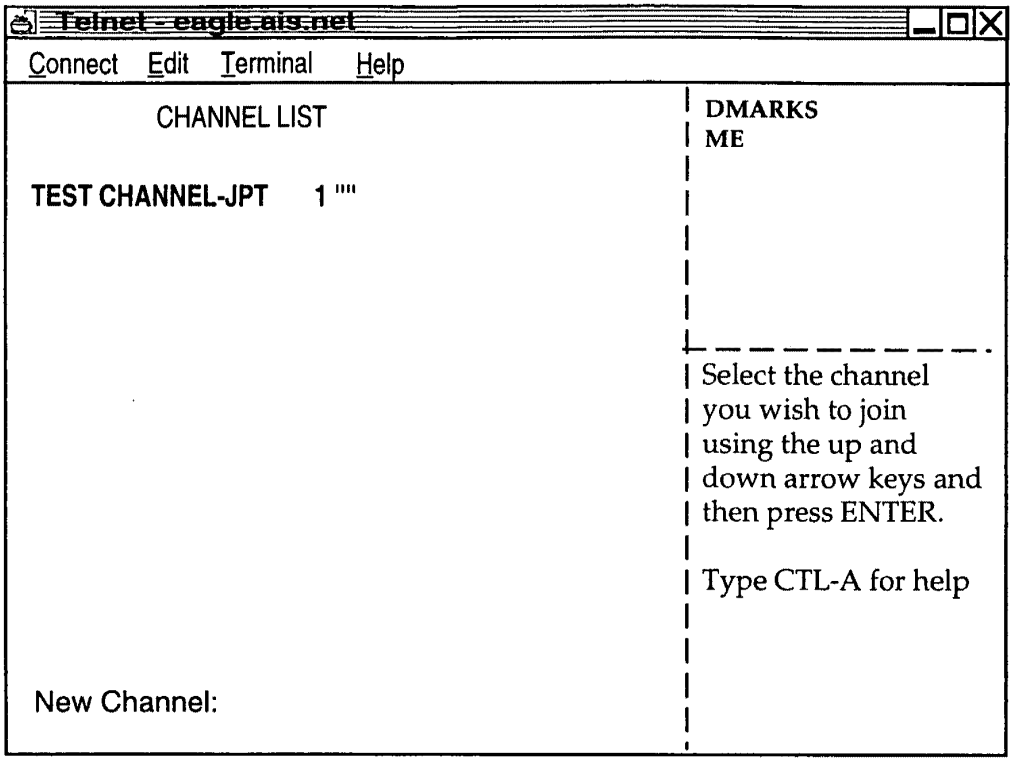

Telnet - eagle.ais.net
Connect Edit Terminal Help
CHANNEL LIST
TEST CHANNEL-JPT 1 ""
New Channel:
DMARKS
ME
Select the channel you wish to join using the up and down arrow keys and then press ENTER.
Type CTL-A for help

FIG. 30

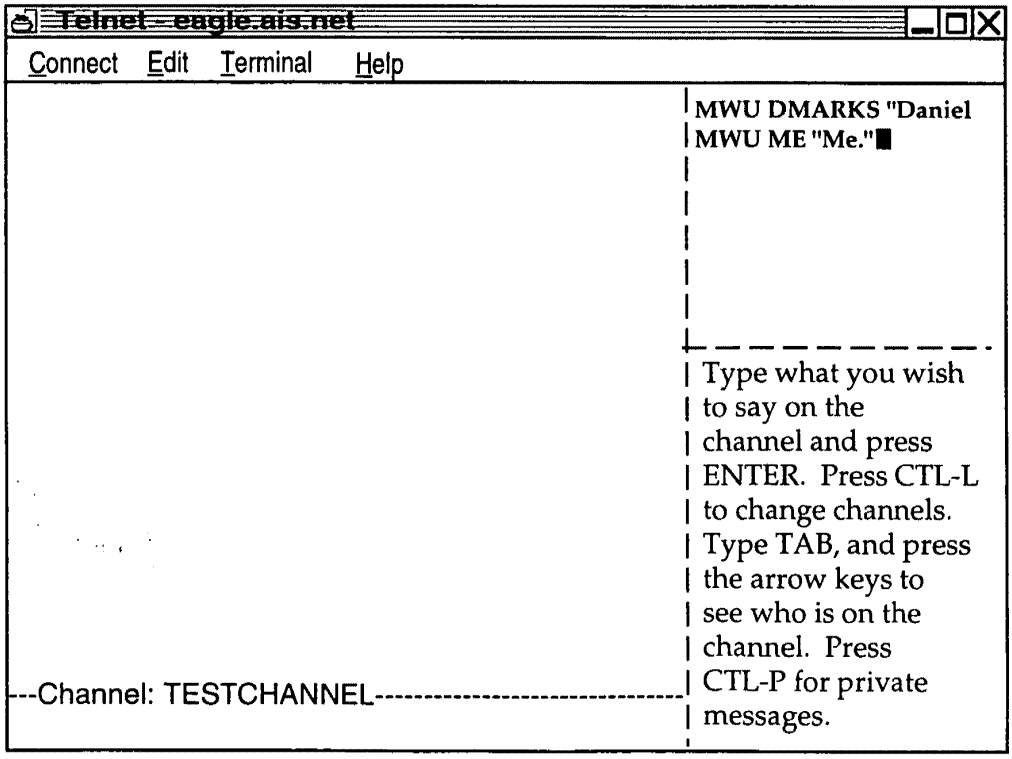

Telnet - eagle.ais.net
Connect Edit Terminal Help
---Channel: TESTCHANNEL----------
MWU DMARKS "Daniel
MWU ME "Me."
Type what you wish to say on the channel and press ENTER. Press CTL-L to change channels. Type TAB, and press the arrow keys to see who is on the channel. Press CTL-P for private messages.

FIG. 31

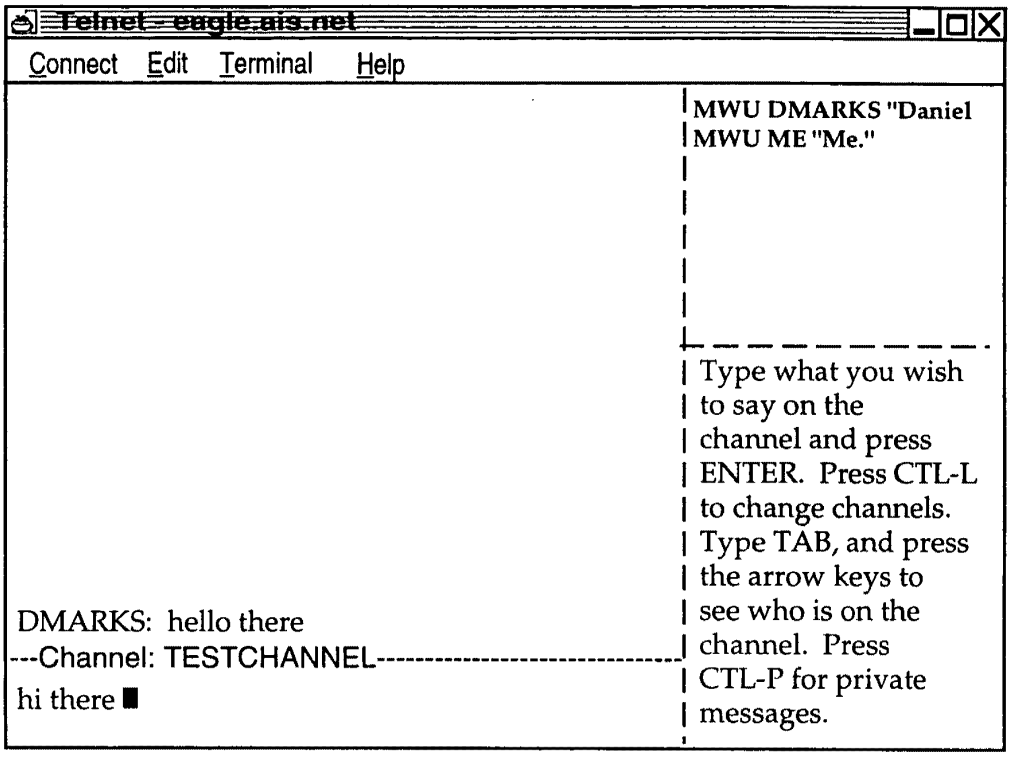

Telnet - eagle.ais.net
Connect Edit Terminal Help
MWU DMARKS "Daniel
MWU ME "Me."
Type what you wish to say on the channel and press ENTER. Press CTL-L to change channels. Type TAB, and press the arrow keys to see who is on the channel. Press CTL-P for private messages.
DMARKS: hello there
---Channel: TESTCHANNEL----------
hi there

FIG. 32

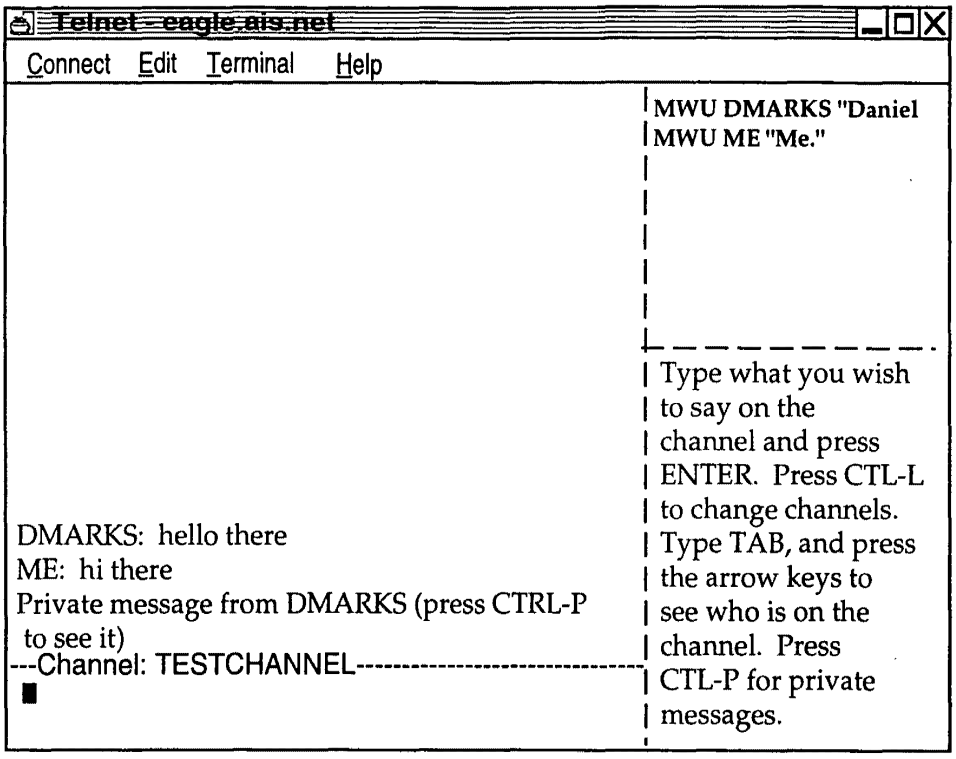

Telnet - eagle.ais.net
Connect Edit Terminal Help
MWU DMARKS "Daniel
MWU ME "Me."
Type what you wish to say on the channel and press ENTER. Press CTL-L to change channels. Type TAB, and press the arrow keys to see who is on the channel. Press CTL-P for private messages.
DMARKS: hello there
ME: hi there
Private message from DMARKS (press CTRL-P to see it)
---Channel: TESTCHANNEL----------

FIG. 33

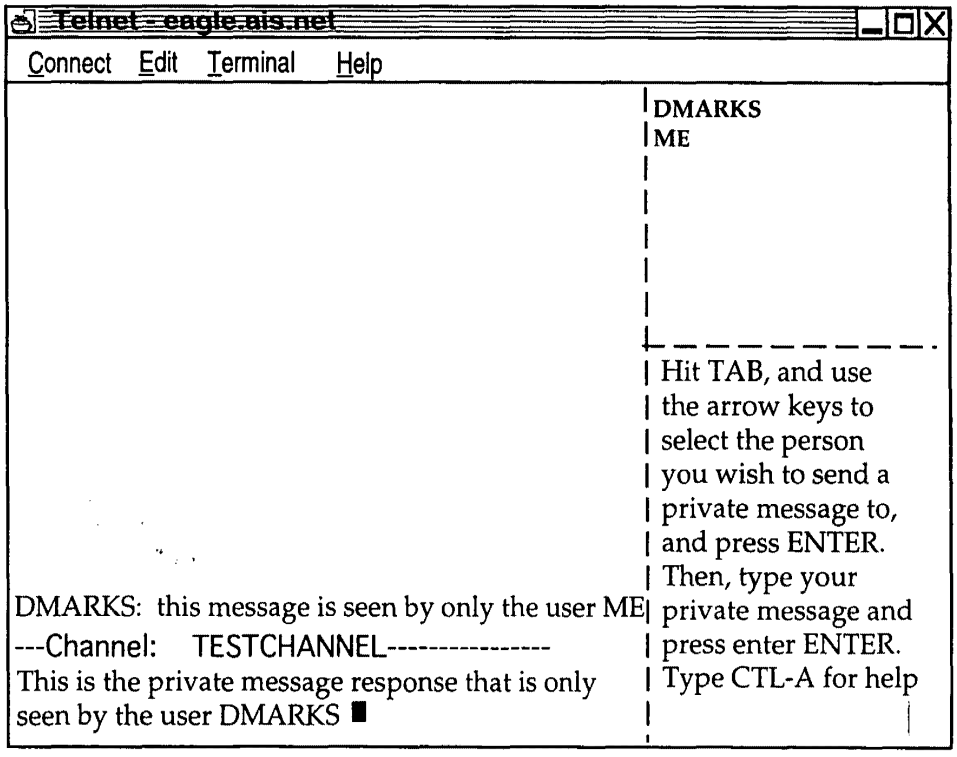
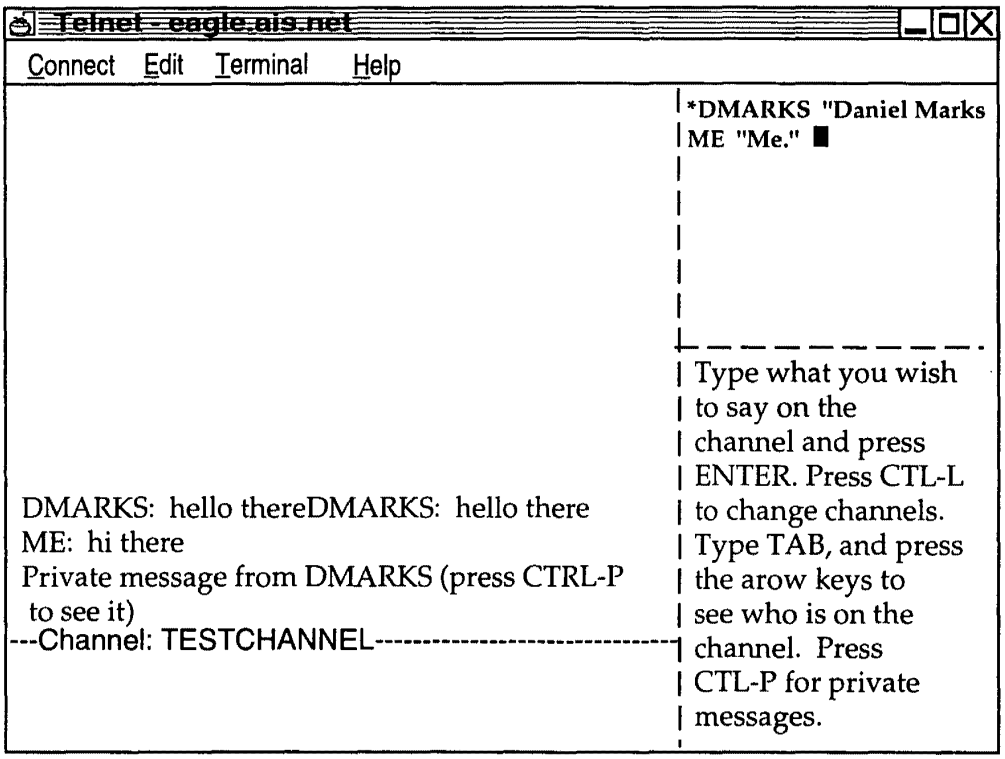

Telnet - eagle.ais.net
Connect Edit Terminal Help
DMARKS
ME
Hit TAB, and use the arrow keys to select the person you wish to send a private message to, and press ENTER. Then, type your private message and press enter ENTER. Type CTL-A for help
DMARKS: this message is seen by only the user ME
---Channel: TESTCHANNEL----------
This is the private message response that is only seen by the user DMARKS

FIG. 34


Telnet - eagle.ais.net
Connect Edit Terminal Help
*DMARKS "Daniel Marks
ME "Me."
Type what you wish to say on the channel and press ENTER. Press CTL-L to change channels. Type TAB, and press the arow keys to see who is on the channel. Press CTL-P for private messages.
DMARKS: hello thereDMARKS: hello there
ME: hi there
Private message from DMARKS (press CTRL-P to see it)
---Channel: TESTCHANNEL----------

OIPE JC144
MAY 2 0 2002
PATENT & TRADEMARK OFFICE

COPY OF PAPERS ORIGINALLY FILED

~~2765~~
~~2761~~

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: May 7, 2002

Signed: [signature]
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No. 6

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
MAY 2 3 2002
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

SIR:

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

1. Fourth Preliminary Amendment; and
2. Substitute Specification pages 2-41.

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5664

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

Respectfully submitted,

Date: May 7, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5665

#15D
5-31-02
M.L.

COPY OF PAPERS ORIGINALLY FILED

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: May 7, 2002

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No. 6

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
MAY 23 2002
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

OIPE JC184 MAY 20 2002 PATENT & TRADEMARK OFFICE

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

FOURTH PRELIMINARY AMENDMENT

SIR:

Please enter the following amendment and reconsider the application in view of the amendment set forth below. It is believed that no new matter has been added.

I. Amendment

A. In the Specification

Please amend the specification as follows:

Page 2, line 12, delete "involves", and there insert --involve--.

Page 8, delete lines 26-27.

Page 8, line 28, delete "files, log files, are also included in the appendix."

Page 9, line 17, after Interface, delete "6".

Page 12, line 15, delete "80", and there insert --78--.

Petitioner Microsoft Corporation, Ex. 1002, p. 5666

Page 12, line 16, delete "78", and there insert --80--.

Page 12, line 18, delete "remove", and there insert --add--.

Page 12, line 20, after , and Block , delete "88", and there insert --86--.

Page 14, lines 25, after computer, delete "5", and there insert --3--.

Page 21, line 8, delete "furthere", and there insert --further--.

II FEE

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.

III CONCLUSION

The application, as amended, is believed to be in condition for allowance, and favorable action is requested. The Examiner is invited to contact the undersigned at (312) 240-0824 if it can in any way expedite or ease the handling of this case. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: May 7, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5667

I. FIELD OF INVENTION

This invention is 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.

II. BACKGROUND OF THE INVENTION

Multiplexing group communications among computers ranges from very simple to very complex communications systems. At a simple level, group communications among computers involve electronic mail sent in a one way transmission to all those in a group or subgroup using, say, a local area network. Arbitrating which computers receive electronic mail is a rather well understood undertaking.

On a more complex level, corporations may link remote offices to have a conference by computer. A central computer can control the multiplexing of what appears as an electronic equivalent to a discussion involving many individuals.

Even more complex is linking of computers to communicate in what has become known as a "chat room." Chat room communications can be mere text, such as that offered locally on a file server, or can involve graphics and certain multimedia capability, as exemplified by such Internet service providers as America On Line. Multiplexing in multimedia is more complex for this electronic environment.

On the Internet, "chat room" communications analogous to America On Line

Petitioner Microsoft Corporation, Ex. 1002, p. 5668

have not been developed, at least in part because Internet was structured for one-way communications analogous to electronic mail, rather than for real time group chat room communications. Further, unlike the an Internet service provider, which has control over both the hardware platform and the computer program running on the platform to create the "chat room", there is no particular control over the platform that would be encountered on the Internet. Therefore, development of multiplexing technology for such an environment has been minimal.

Even with an emergence of the World Wide Web, which does have certain graphical multimedia capability, sophisticated chat room communication multiplexing has been the domain of the Internet service providers. Users therefore have a choice between the limited audience of a particular Internet Service provider or the limited chat capability of the Internet.

III. SUMMARY OF THE INVENTION

It is an object of the present invention to overcome such limitations of the prior art and to advance and improve the technology of group computer multiplexing to enable better computerized group communications.

It is another object of the present invention to provide a computerized human communication arbitrating and distributing system.

It is yet another object of the present invention to provide a group communication multiplexing system involving a controller digital computer linked to a plurality of participator computers to organize communications by groups of the participator computers.

It is still another object of the present invention to link the controller computer and the plurality of computers with respective software coordinated to arbitrate multiplexing activities.

Petitioner Microsoft Corporation, Ex. 1002, p. 5669

It is still a further object of the present invention to provide a chat capability suitable for handling graphical, textual, and multimedia information in a platform independent manner.

These and other objects and utilities of the invention, apparent from the discussion herein, are addressed by a computerized human communication arbitrating and distributing system. The system includes a controller digital electrical computer and a plurality of participator digital computers, each of the participator computers including an input device for receiving human-input information and an output device for presenting information to a user having a user identity. A connection such as the Internet links the controller computer with each of the participator computers.

Controller software runs on the controller computer, programming the controller computer to arbitrate in accordance with predefined rules including said user identity, which ones of the participator computers can interact in one of a plurality of groups communicating through the controller computer and to distribute real time data to the respective ones of the groups.

Participator software runs on each of the participator computers to program each of the participator computers to operate a user interface. The user interface permits one of the users to send and/or receive a multimedia information message to the controller computer, which arbitrates which of the participator computers receives the multimedia information message. The controller computer also conveys the multimedia information message to the selected participator computers to present the multimedia information to the respective user.

Therefore, for a computer system involving a plurality of programmed participator computers running the participator computer program can interact through a programmed controller computer with the controller computer multiplexing the communications for groups

Petitioner Microsoft Corporation, Ex. 1002, p. 5670

formed from the plurality, as well as arbitrating communications behavior.

IV. BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a depiction of hardware suitable for performing the present invention;

FIG. 2 is a communications overview of the present invention.

FIG. 3 is a data and communications dependency diagram for the controller group channel structure of the present invention.

FIG. 4 is a flow chart of the central controller loop communications for the controller computer.

FIG. 5 is a client channel data structure and information flow diagram of the present invention.

FIG. 6 is a participator software out-of-band multimedia information flow diagram of the present invention.

FIG. 7 is an illustration of a login/password screen of the present invention.

FIG. 8 is an illustration of a confirmation screen of the present invention.

FIG. 9 is an illustration of a channel list area screen of the present invention.

FIG. 10 is an illustration of a New Channel option pull-down menu screen of the present invention.

FIG. 11 is an illustration of a member on a new channel screen of the present invention.

FIG. 12 is an illustration of a second member on the new channel screen of the present invention.

FIG. 13 is an illustration of a communication on the new channel screen of the present invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5671

FIG. 14 is an illustration of a private message window on the new channel screen of the present invention.

FIG. 15 is an illustration of a private message displayed on the private message window on the new channel screen of the present invention.

FIG. 16 is a further illustration of the private message on the private message window on new channel screen of the present invention.

FIG. 17 is an illustration of an attribute revocation on the new channel screen of the present invention.

FIG. 18 is a further illustration of the new channel screen of the present invention.

FIG. 19 is an illustration of the channel list window screen of the present invention.

FIG. 20 is an illustration of the toggle posting option on a screen of the present invention.

FIG. 21 is an illustration of a moderated version of the new channel screen of the present invention.

FIG. 22 is an illustration of a communication on a moderation window screen of the present invention.

FIG. 23 is an illustration of the communication passed on to the moderated version of the new channel screen of the present invention.

FIG. 24 is an illustration of a communication, for sending a graphical multimedia message, on to the moderated version of the new channel screen of the present invention

FIG. 25 is an illustration of a communication, for passing a URL (Uniform Resource Locator) to channel members, on a moderator pull-down menu screen of the present

Petitioner Microsoft Corporation, Ex. 1002, p. 5672

invention.

FIG. 25 is an illustration, showing the name of the URL, on a moderated version of the new channel screen of the present invention.

FIG. 26 is an illustration of data associated with the graphical multimedia message on a moderated version of the new channel screen of the present invention.

FIG. 27 is an illustration of a proprietary editor, suitable for a dialog to change tokens, on a screen of the present invention.

FIG. 28 is an illustration of a text-based interface login/password screen of the present invention.

FIG. 29 is an illustration of a text-based interface group screen of the present invention.

FIG. 30 is another illustration of a text-based interface group screen of the present invention.

FIG. 31 is another illustration of a text-based interface group screen of the present invention.

FIG. 32 is an illustration of a text-based interface private message screen of the present invention.

FIG. 33 is another illustration of a text-based interface private message screen of the present invention.

FIG. 34 is another illustration of a text-based interface group with moderator screen of the present invention.

V. DETAILED DESCRIPTION OF THE DRAWINGS

In providing a detailed description of a preferred embodiment of the present

Petitioner Microsoft Corporation, Ex. 1002, p. 5673

invention, reference is made to an appendix hereto, including the following items.

Appendix Contents

ALLUSER C
ALLUSER H
CHANNEL C
CHANNEL H
CHANNEL HLP
CLIST C
CLIST H
CLIST HLP
EDITUSER C
EDITUSER H
ENTRYFRM C
ENTRYFRM H
ENTRYFRM HLP
HELP C
HELP H
HELPSCR C
HELPSCR H
LINEEDIT C
LINEEDIT H
LIST C
LIST H
LOGIN HLP
MAIN C
MAKEFILE
MESSAGE C
MESSAGE H
MODERAT HLP
PRIVATE C
PRIVATE H
PRIVATE HLP
SOCKIO C
SOCKIO H
STR C
STR H
UCCLIENT
USER C
USER H
WINDOW C
WINDOW H

While platform controlled embodiments are within the scope of the invention, it is

Petitioner Microsoft Corporation, Ex. 1002, p. 5674

particularly advantageous to have a platform independent embodiment, i.e., an embodiment that is byte code compiled.

Referring now to FIG. 1, the overall functioning of a computerized human communication arbitrating and distributing System 1 of the present invention is shown with odd numbers designating hardware or programmed hardware, and even numbers designating computer program logic and data flow. The System 1 includes a digital Controller Computer 3, such as an Internet service provider-type computer. The Controller Computer 3 is operating with an operating system.

System 1 also includes a plurality of digital Participator Computers 5, each of which may be an IBM-compatible personal computer with a processor and a DOS operating system. Each of the Participator Computers 5 includes an Input Device 7 for receiving human-input information from a respective human user. The Input Device 7 can be, for example, a keyboard, mouse or the like. Each of the Participator Computers 5 also includes an Output Device 9 for presenting information to the respective user. The Output Device 9 can be a monitor, printer (such as a dot-matrix or laser printer), or preferably both are used. Each of the Participator Computers 5 also includes a Memory 11, such as a disk storage means.

The System 1 includes a Connection 13 located between, so as to link, the Controller Computer 3 with each of the Participator Computers 5. The Connection 13 can be an Internet or more particularly, a World Wide Web connection.

The Controller Computer 3 is running and under the control of Controller Software 2, which directs the Controller Computer 3 to arbitrate in accordance with predefined rules including a user identity, which ones of the Participator Computers 5 can interact in one of a plurality of groups through the Controller Computer 3 and to distribute real time data to the respective ones of the groups.

Petitioner Microsoft Corporation, Ex. 1002, p. 5675

The Participator Computers 5 are each running and under the control of Participator Software 4, which directs each of the Participator Computers 5 to handle a user Interface permitting one said user to send a multimedia information Message 8 to the Controller Computer 3, which arbitrates which of the Participator Computers 5 receives the multimedia information Message 8 and which conveys the multimedia information Message 8 to the selected participator computers 5 to present the multimedia information Message 8 to the respective user.

The present invention comprehends communicating all electrically communicable multimedia information as Message 8, by such means as pointers, for example, URLs. URLs can point to pre-stored audio and video communications, which the Controller Computer 3 can fetch and communicate to the Participator Computers 5.

Turning now to FIG. 2, there is shown a communications overview of the present invention. Beginning with the Controller Computer Software 2, reference is made to Block 10, which illustrates demultiplexing and multiplexing operations carried out by message type on API messages of all types. Block 10 links to Block 12, which is illustrative of channel A.... Block 10 also links to Block 14, which illustrates handling private message A. Block 10 also links to Block 16, illustrative of handling out-of-band media. Block 10 additionally links to Block 18, which illustrates asynchronous status messages.

Multiple connections between the controller computer 3 and a plurality of participator computers 5 permit communication implemented via the interplay of controller software 2 and participator software 4. With particular regard to the participator software 4 illustrated in FIG. 2, Block 20 is illustrative of demultiplexing and multiplexing operations carried out by message type on API messages of all types. Block 20 links to Block 22, which is illustrative of channel A.... Block 20 also links to Block 24, which illustrates handling private

Petitioner Microsoft Corporation, Ex. 1002, p. 5676

message A. Block 20 also links to Block 26, illustrative of handling out-of-band media via Block 28, which is illustrative of a Web browser or auxiliary computer program. Block 20 also links to Block 30, which illustrates asynchronous status message handling via Block 32, illustrative of user interface objects windows and screens.

De/multiplexing via API provides a "virtual connection" between Channel, Private Message, and Multimedia objects in the controller computer 3 and each participator computer 5. An alternate architecture is to allow for a separate connection between each object so that multiplexing/demultiplexing is not necessary and each object handles its own connection. This would influence system performance, however.

Turning now to FIG. 3, a data and communications dependency diagram controller group channel structure is illustrated. Beginning from what is designated as a portion of Block 10 the logic flows to Block 34 to consider JOIN, LEAVE, STATUS, SETCHAN API instructions. Block 34 examines member list maintenance instructions, accessing Block 36 to check permissions, list users, and change attributes. Note the exploded window 38 shows a display of member information including a user's name, personal information, and attributes/properties/permissions (operations involving the subsequently discussed tokens), i.e., stored per channel attributes under each member. In any case, confirmation or denial of access is communicated via Block 40 for multiplexing return of status messages to a target object.

From the portion of Block 10, the logic flows to Block 42 for MESSAGE and MODMSG API instructions. Block 42 tests which of the two instructions were received, and for MODMSG, the logic flows to Block 44, which tests whether the user is a moderator. If the user is not a moderator, the logic flows to Block 46, which sends a denial message through Block 40. If, however, the in Block 44 the user is a moderator, the logic flows to Block 48 for a repeat

Petitioner Microsoft Corporation, Ex. 1002, p. 5677

to all list members who are permitted to see the message, via Block 40.

Returning to Block 42, if MESSAGE is detected, the logic flows to Block 50, which tests whether a user has post permission. If the user has post permission, the logic flows to Block 48, etc. If the user does not have post permission, the logic flows to Block 52 to forward the message to moderators for approval, via Block 40.

Additionally, the logic flows from Block 10 to Block 54 for a URL API instruction. Block 54 tests whether the user has graphical multimedia communication privileges, and if not, the logic flows via Block 56, which sends a denial message via Block 40. Otherwise, if the user does have graphical multimedia communications privileges in Block 54, Block 58 sends graphical multimedia information to all approved users via Block 40.

Turning now to FIG. 4, central controller loop communications is illustrated. For the data on central poll point 58 (see Appendix POLL_POINT), a "do" loop begins at Block 60 for each connection. Block 62 tests whether bytes are available on the data stream. If they are, the bytes are added to user space FIFO per connection at Block 64, leading to Block 66, which tests whether there are any more connections. Note that in FIG. 4, if there are no more bytes available in Block 62, the logic skips to Block 66, and if Block 66 is not finished with all connections, the loop returns to Block 62. When all connections have been completed in Block 62, the logic flows to Block 68, which looks for an available complete data instruction for any connection by extracting packets byte-wise from the FIFO. Thereafter, Block 70 tests whether there is a complete response available from the participator computer. If the response is complete, the logic flows to Block 72 which, using a command type, demultiplexes into an appropriate object (output FIFOs may be filled here for any connection). The logic from Block 72 joins the "no" branch from Block 70 at Block 74, which enables unblocking for writing connections for only connections with data available to write, looping back to Block 58.

Petitioner Microsoft Corporation, Ex. 1002, p. 5678

FIG. 5 shows a client channel data structure and information flow diagram. From a message that is demultiplexed by message type, there are six possibilities: ERROR MESSAGE, MESSAGE, STATUS, JOINCHANNEL, LEAVECHANNEL, and MODMSG. ERROR MESSAGE is communicated to Block 76, where the error message is displayed to the transcript in the transcript area of Block 78. MESSAGE is communicated to Block 80 where the message is immediately added to the transcript in transcript area 78. STATUS is communicated to Block 82 to update user data structure; JOINCHANNEL is communicated to Block 84 to add a user from the member list and display the change; and LEAVECHANNEL is communicated to Block 86. From Block 82, Block 84, and Block 86, the logic flows to Block 88, which includes a member list, a member identifier, known attributes / permissions / properties, and personal information. From Block 88, the logic proceeds to Block 90, a member list area, and on to Block 92 to compose a request to change a member attribute. This "SETCHAN request is then communicated to Block 94, which is the multiplexer leading to the controller computer connection.

MODMSG is communicated to Block 96, which sends the message to the moderation area of Block 98, and then to Block 100 to resubmit a member message as approved, thereby conveying a MODMSG request to Block 94.

Note that a response is prepared in the response area of Block 102. If the response is a standard message, it is conveyed to Block 104 to compose the response into a controller message, thereby sending a MESSAGE request to box 94. If, however, the message is a graphical information submission, the logic flows from Block 102 to Block 106 to compose the graphical information submission into a controller message, thereby sending a URL request to Block 94.

FIG. 6 is a participator software out-of-band multimedia information flow

Petitioner Microsoft Corporation, Ex. 1002, p. 5679

diagram, which begins with Block 26, the multimedia type patch point. Block 26 leads to Block 102, which tests whether there is an internally handlable multimedia type. If not, Block 104 looks up a suitable agent for data type presentation, which leads to Block 106, which tests whether an agent was found. If not, Block 108 reports location of data to the user for future referencing. If the agent is found in Block 106, the logic flows to Block 110, which invokes the agent with a data reference to present the data.

If the multimedia type is internally handlable from Block 102, the logic flows to Block 112, which tests whether this is a member associated image. If it is a member associated image, Block 114 displays the image next to member identity information, and if it is not, the logic flows to Block 116, which tests if this is a member public data reference (e.g., a URL). If a URL is detected at Block 116, Block 118 invokes an external data type viewer only on demand of the operator of the participator software, and otherwise Block 120 stores the reference for future use by the operator of the participator software, or treats the reference as an externally handled multimedia type (at the user's option).

With further regard to the manner of interaction between the controller computer 3 and the participator computers 5, and their respective computer programs 2 and 4, includes a moderation capability that is controlled, or arbitrated, pursuant to system 1 recognizing user identity. Note that using the user identity for moderation purposes is a use additional to the use of the user identity for security purposes.

One embodiment of the present invention is to bring chat capability to the internet and World Wide Web. However, another embodiment involves non-internet relay chat. In either embodiment, System 1 is state driven such that synchronous and asynchronous messages can be communicated. For an asynchronous notification, each message is sent through the system 1 (API), which updates the information on the output device of the

Petitioner Microsoft Corporation, Ex. 1002, p. 5680

participator computers 5. For a synchronous notification, a participator computer 5 must interrogate the system 1 for a message.

With regard to the arbitrating of the controller computer 3 is directed by the controller computer program 2 to use "identity tokens", which are pieces of information associated with user identity. The pieces of information are stored in memory 11 in a control computer database, along with personal information about the user, such as the user's age. The control computer database serves as a repository of tokens for other programs to access, thereby affording information to otherwise independent computer systems. In the database, the storage of tokens can be by user, group, and content, and distribution controls can also be placed on the user's tokens as well as the database.

Each token is used to control the ability of a user to gain access to other tokens in a token hierarchy arbitration process. The arbitration also includes controlling a user's ability to moderate communications involving a group or subgroup of the participator computers 5. Once in a group, temporary tokens are assigned for priority to moderate/submoderate groups (a group is sometimes known as a channel in multiplexing terminology).

Accordingly, tokens are used by the controller computer 5 to control a user's group priority and moderation privileges, as well as controlling who joins the group, who leaves the group, and the visibility of members in the group. Visibility refers to whether a user is allowed to know another user is in the chat group.

Tokens are also used to permit a user's control of identity, and in priority contests between 2 users, for example, a challenge as to whether a first user can see a second user.

Censorship, which broadly encompasses control of what is said in a group, is also arbitrated by means of the tokens. Censorship can control of access to system 1 by

Petitioner Microsoft Corporation, Ex. 1002, p. 5681

identity of the user, which is associated with the user's tokens. By checking the tokens, a user's access can be controlled per group, as well as in giving group priority, moderation privileges, etc.

Censorship also can use the tokens for real time control of data (ascii, text, video, audio) from and to users, as well as control over multimedia URLs - quantity, type, and subject.

With regard to controlling communications in a group (which is in essence a collection of user identities), control extends to seeing messages, seeing the user, regulating the size of the communication, as well as the ability to see and write to a specific user. Control further extends to the ability to send multimedia messages.

Note that tokens for members in group can involve multiples formed in real time, say, within the span of a conversation. For example, for private communication, tokens are immediately formed to define a group of 2 users. Hierarchical groups within groups can also be formed, with each inheriting the properties of the group before it. Thus, a subgroup can include up to all members or more by adding any surplus to the former group.

With further regard to the controller computer 3, e.g., a server, information is controlled for distribution to the user interfaces at selected ones of the participator computers 5. The controller computer program, in one embodiment, can be a resident program interface (such as a JAVA application). There can be a token editor object (window/tear down, etc.) per group, private communication, user, channel listings, user listings, etc. Each can link up in a token hierarchy for arbitration control.

The controller computer 3, by means of the controller computer program 2, keeps track of states and asynchronous messages as well as generating a synchronous message as a user logs in or interrogates system 1.

Petitioner Microsoft Corporation, Ex. 1002, p. 5682

With regard to multimedia information messages 8, such messages are of independent data types, e.g., audio/video data types. The content of the message (e.g., a URL) permits the System 1 to automatically determine the handling of the message: either the Controller Computer 3 passes the content of Message 8 directly, or the Controller Computer 3 determines from the Message 8 how to find the content, say via Netscape. Accordingly, Message 8 can communicate video and sound (or other multimedia, e.g., a URL) to users, subject only to the server arbitration controls over what can be sent.

Turning now to an illustration of using the invention, the session starts with verifying the user's identity (at FIG. 7). The login/password screen is shown, and the user enters his/her assigned login/password combination and clicks the "Login To Chat" button. If the password was entered correctly, a confirmation box appears on the screen.

Then the channel list area is shown at FIG. 8. The Channel List area is a window which shows a list of all of the groups currently on the server in active communication. Because no one is yet connected in this example, there are no groups currently available on the screen.

To create a new group, the "New Channel" option is selected from a pull-down menu (at FIG. 9). The name of the channel is entered by the input device 7.

If the user has permission (this one does), a new channel is created for the group (at FIG. 10). The window that displays the channel area has three regions: the bottom region, where responses are entered; the largest region, where a transcript of the communication is followed; and the rightmost region, which lists the group's current members. This list is continuously updated with asynchronously generated status messages received immediately when a new member joins the group. Only "DMARKS" is currently in this group. The "MWU" is the properties currently associated with DMARKS - the ability to moderate, write

Petitioner Microsoft Corporation, Ex. 1002, p. 5683

to the channel, and send multimedia messages.

A new member has joined the channel, and the member list status area is updated right away (at FIG. 11). This new member has a login of "ME."

The user DMARKS now types "hello there" into the response area and presses RETURN (at FIG. 12). This message is passed to the controller computer 5, which sends the message to all channel members, i.e., those using participator computers 5, including DMARKS.

The user ME now sends a message to the controller: "hi there" (at FIG. 13). This message is also sent to all members by the controller computer 5. Now user DMARKS clicks (using input device 7, a mouse) on the name of the user "ME" in the member list window. The participator software 4 will now create a private message window, so that the users ME and DMARKS can exchange private messages. Private messages are only sent to the intended recipient by the controller, and no one else.

A private message window appears in response to DMARKS's request to open private communications with ME (at FIG. 14). Now DMARKS types a message into the private message window's response area to ME: "this message is seen only by the user ME." When complete, the participator software 4 will forward this message to the controller computer 3.

In response, the user ME has entered "This is the private message response that is only seen by the user DMARKS," which has been forwarded to user DMARKS (at FIG. 15). This message is displayed immediately on DMARKS's window.

DMARKS now returns to the channel window for the group "TESTCHANNEL" (at FIG. 16). To modify the permission attributes associated with user ME on the channel TEST CHANNEL, DMARKS (who is a moderator of the channel), clicks on the user ME in the member list to select ME, pulls down the Moderator menu, and selects "Toggle Moderator." This

Petitioner Microsoft Corporation, Ex. 1002, p. 5684

removes the moderator privileges from ME.

As a result of the attribute revocation, the "M" has disappeared from next to ME's name in the member list (at FIG. 17), indicating that the property is no longer associated with the user ME.

Now DMARKS returns to the Channel List window (at FIG. 18). DMARKS wishes to fully moderate the contents of the channel TESTCHANNEL, censoring all unwanted communications to the channel. DMARKS returns to the channel list, and selects the channel TESTCHANNEL by clicking on its name in the channel list.

Now DMARKS selects the "Toggle All Posting" option in the Maintenance pull-down menu (at FIG. 19). This will turn off the channel property "posting," (or sending communications to the channel without moderator approval) which will be indicated by the removal of the letter "P" from next to the name TESTCHANNEL (at FIG. 20).

Now the letter "P" is removed from after the name TESTCHANNEL in the Channel List window (at FIG. 21), indicating that this channel is now moderated and will only have free posting ability by designated members.

Now, type user ME (who is also on channel TESTCHANNEL) wishes to send communications: "this will not be written directly to the channel" (at FIG. 22). The controller, instead of sending it immediately to the channel to be seen by all members, will instead forward the message to the moderators for approval. The moderator, DMARKS, will then see the message on the Moderation Window, which provides a preview of any messages to be sent. To approve a message for general viewing, DMARKS now clicks on the message.

Now that DMARKS has clicked directly on the message, it is displayed inside the group's Channel window for all members to see (at FIG. 23).

DMARKS now wishes to send a graphical multimedia message. This

Petitioner Microsoft Corporation, Ex. 1002, p. 5685

implementation sends graphical multimedia images by allowing a channel member to specify an Internet URL of a graphical multimedia resource to be presented to the group members. In this example, DMARKS wishes to send the URL "http://www.ais.net" (corresponding to the World Wide Web home page of American Information Systems, Inc.) to the channel members. DMARKS enters the URL into the response window, and selects "Send URL" from the Moderator pull-down menu (at FIG. 24).

The controller computer 5 now passes the URL to the channel members. This participator software 4 performs two actions in response to the graphical multimedia display request. The first is to put the name of the URL onto the transcript of the group's channel, so that it can be read by group members. The second response is to have the participator software show the data associated with the graphical multimedia message in a human interpretable way (at FIG. 25). To do this, the participator software 6 either uses built in rules to decide how the graphical multimedia data is to be presented, or locates another program suitable to present the data. In this case, the software 6 is utilizing Netscape NavigatorÔ, a program for displaying graphical multimedia documents specified by a URL (at FIG. 26). Inside the Navigator window, the graphical multimedia content, the home page of AIS, is shown.

Finally, DMARKS wishes to manually modify the attribute tokens associated with the user (at FIG. 27). The user invokes the Property Editor dialog, which allows the user to view and change the tokens associated with a user. A property of a given user is determined by the Identifier and Property names. An old value of the property is shown, and a token value can be changed in the "New Value" field. With this property editor, a user with sufficient permissions (tokens) can change any of the tokens or security parameters of any user, or a user's ability to change security parameters can be restricted.

To start with an alternate embodiment using a text-based interface, a user is

Petitioner Microsoft Corporation, Ex. 1002, p. 5686

presented by the login/password screen (at FIG. 28). This screen is where a user enters the information that proves his/her identity. The user must now enter his/her login and password to identify themselves.

After the user has been identified by the controller the Channel List screen appears (at FIG. 29). The names of channels and their associated properties are shown on this screen. By using the arrow keys and highlighting the desired channel, ME may enter any publicly joinable group. Currently, there is only one group TESTCHANNEL, which ME will join.

Now the screen for the channel TESTCHANNEL appears (at FIG. 29). The screen is split into four regions. The bottom left region is the response line, where messages users wish to enter appear. The upper left region is the transcript area where the communications of the group's channel appear as they occur. The upper right region is the Member List region, where a continuously updated list of members' names appear, with their attributes.

A message appears in the transcript area. The controller has forwarded a message to the group from DMARKS, "hello there" (at FIG. 31), which is seen by all members of the group, including ME. Now ME will respond, by entering "hi there" into the response area.

When ME is finished entering his response, the participator software forwards the response to the controller, which sends it to the members of the channel. In the transcript area, the participator software notifies the user that it has received a private message from DMARKS, which is waiting inside the private message screen. To see the private message, ME presses the private message screen hot key.

A private message screen appears (at FIG. 32), and the private message from DMARKS is at the bottom of the transcript area. Now to reply, ME types his response into the response area.

Petitioner Microsoft Corporation, Ex. 1002, p. 5687

Now ME will return to the screen for the channel TESTCHANNEL. The member list area has changed because DMARKS has revoked ME's moderator permission. ME is no longer permitted to see the permissions of other users, so this information has been removed from his display (at FIG. 33). The only information he can see now is who is moderator (at FIG. 34). A "*" next to the identifier of a member of the group indicates the member is a moderator of the group. ME is no longer a moderator, and therefore a "*" does not appear the identifier ME.

To further exemplify the use of the present invention, the following is a transcript of communications produced in accordance herewith.

POWERQUALITY JOHNMUNG: unclear about meaning of "first contingency"

POWERQUALITY SAM: mike, that is correct on IEEE 519

POWERQUALITY SKLEIN: In assessing network security (against outage) the first contingencies are tested to see how the power system should be reconfigured to avoid getting a second contingency and cascading into an outage.

POWERQUALITY MSTEARS: These outages point out the need for reliability as part of the overall customer picture of PQ

POWERQUALITY BRIAN: Hi Jennifer, hit crt-p for private messagae

POWERQUALITY SKLEIN: In simpler terms, a single point failure shouldn't crash the system.

POWERQUALITY SKLEIN: Are we all chatted out?

POWERQUALITY ANDYV: brian, johnmung has been banned!!! why?

POWERQUALITY BRIAN: no way, new subject

POWERQUALITY BRIAN: just a sec, andy

POWERQUALITY BRIAN: No banning on this channel, John is back on

Petitioner Microsoft Corporation, Ex. 1002, p. 5688

POWERQUALITY TKEY: ieee 519 limits the harmonic current a customer can inject back into the pcc and limit the vthd the the utility provides at the PCC

POWERQUALITY JOHNMUNG: thanks guys, for unbanning me- i've been thrown out of better places than this!

POWERQUALITY BRIAN: New subject...now...

POWERQUALITY BRIAN: good one john.... :)

POWERQUALITY MSTEARS: For critical facilities dual feeds or other backup capability need to be economically evaluated to keep the facility in operation

POWERQUALITY SAM: John, I remember that club very well

POWERQUALITY JOHNMUNG: question: please comment on frequency of complaints involving spikes, sags or harmonics

POWERQUALITY WARD: Problems caused by sags is the main complaint.

POWERQUALITY BRIAN: What subject does anyone want to see the next chat

POWERQUALITY WARD: Surges is probably next; harmonics really don't cause that many problems, although they are certainly there.

POWERQUALITY ANDYV: what is the solution ward?

POWERQUALITY TKEY: Agree they are the most frequent (sags) and the panel sesion on the cost of voltage sags at PES drew 110 people

POWERQUALITY SAM: harmonics tend to be an interior problem within a facility,rather than on the distribution system

POWERQUALITY WARD: The best solution is making the equipment less susceptible to sags. This requires working with the manufacturers.

POWERQUALITY ANDYV: won't that cost more

POWERQUALITY MSTEARS: The complaint of surges covers many things in the customers

Petitioner Microsoft Corporation, Ex. 1002, p. 5689

eyes sags have become a real problem because they are harder to resolve

POWERQUALITY GRAVELY: John-The latest EPRI results confirms the 90+ % of the time SGS are the problem and short term ones.

POWERQUALITY WINDSONG: What is the topic for the 25??

POWERQUALITY WARD: Each problem can be dealt with as it occurs, but the time involved gets very expensive.

POWERQUALITY JOHNMUNG: making equipment less susceptible causes legal problems for manufacturers- as each improvemnt can be cited by compinant as example of malfeasance

POWERQUALITY WARD: AndyV: The cost to the manufacturer increases. The overall cost to everyone involved decreases.

POWERQUALITY TKEY: customer pays any way you cut it, if the eqpt is more immune customers pay only once instead of every time the process fails

POWERQUALITY BRIAN: The topic is regarding Power Quality

POWERQUALITY BRIAN: This chat is available for everyone 24 hours a day

POWERQUALITY ANDYV: ddorr>>will the manufacturer spend more to produce a better product

POWERQUALITY WARD: And as Tom says, the cost to the customer is far less.

POWERQUALITY BRIAN: This chat will be functioning 24 hrs/day

POWERQUALITY BRIAN: please usae it

POWERQUALITY BRIAN: The next panel discussion is Nov 15th

POWERQUALITY WARD: Andy, that's where standards come in.

POWERQUALITY SKLEIN: Is the customer capable of resolving the fingerpointing among the manufacturers and utilities?

POWERQUALITY DDORR: andy, only if the end userss create a market for pq compatible eqpt

Petitioner Microsoft Corporation, Ex. 1002, p. 5690

by demanding better products

POWERQUALITY MSTEARS: The manufacturers problems in including fixes is being competative with some who doesn't provide the fix

POWERQUALITY ANDYV: how will we educate the general consumer?

POWERQUALITY GRAVELY: Is it possible to have a basic theme topic or some core questions for 15 Nov chat?

POWERQUALITY WARD: Stan, the customer cannot be expected to resolve the fingerpointing. The manufacturers and utilities need to work together.

POWERQUALITY ANDYV: about power quality and reliability?

POWERQUALITY SKLEIN: If electric power is going to be treated as a fungible commodity, there has to be a definition. Like, everyone knows what number 2 heating oil is.

POWERQUALITY SAM: Ideally a manufacturer would not be able to compete if they don't add the protective function in their products, but alot more public education is required before we get to this point.

POWERQUALITY WARD: Andy, there are many ways to educate the customers, but they require a lot of contact between the utility and the customers. The Western Resources Power Technology Center in Wichita is doing it, just as an example.

POWERQUALITY DDORR: standard power vs premium power is one solution as is std qpt vs Pq compatible eqpt

POWERQUALITY SKLEIN: I want to buy number 2 electric power and to be able to check the nameplates of my appliances to be sure they can take it. Just like I buy regular gasoline.

POWERQUALITY MSTEARS: Sam - I agree, that is partly the utilities responsibilitysince we serve the customers

POWERQUALITY BBOYER: What differentiates number 2 from number 1?

Petitioner Microsoft Corporation, Ex. 1002, p. 5691

POWERQUALITY SKLEIN: I used the analogy of number 2 heating oil. I don't know what number 1 heating oil is.

POWERQUALITY DDORR: Number two has cap switching and all the normal utility operational events while number one is much better

POWERQUALITY SKLEIN: Perhaps we can just say regular vs high test.

POWERQUALITY SAM: mike, yes a joint effort between the utiliy, manufacturer and standards juristictions is a goal for utilicorp as we move forward with offering from our strategic marketing partners, and bring PQ technologies to the public

POWERQUALITY TKEY: We are finding that many mfgrs want to produce pq compatible equipment, but they have no clue as to what to test for

POWERQUALITY ANDYV: Tom>>will the IEC standards help?

POWERQUALITY TKEY: Its up to the utility to help define normal events IEC will take time

POWERQUALITY SKLEIN: You can't have a commodity product with all the variation in specifications we have been discussing. It has to be regular, premium, and super premium or it won't work.

POWERQUALITY JOHNMUNG: Tom as a former manufacturer i sympathize--your work at PEAC is invaluable but anecdotal knowledge from utility people on the firing line is equally important

POWERQUALITY TKEY: Super premium, does that mean a UPS?

POWERQUALITY ANDYV: how do you stop a facility from affecting you super-premium power?

POWERQUALITY TKEY: John, Good Point

POWERQUALITY SAM: Tkey, a ups, local generation or redundant service

POWERQUALITY SKLEIN: This is what I meant earlier by electricity being a non-virtualizable service. You can't make each customer see the power system as though they had their own

Petitioner Microsoft Corporation, Ex. 1002, p. 5692

dedicated generating plant.

POWERQUALITY BRIAN: THE CHAT CHANNEL WILL BE OPEN 24/HRS/DAY 7 DAYS A WEEK

POWERQUALITY TKEY: I must sign out for about 5 minutes but I'll be back

POWERQUALITY BRIAN: OK TOM

POWERQUALITY MSTEARS: PQ for facilities need to be done with a system perspective to to get the right resolution

POWERQUALITY BBOYER: Andy's question is still relevant - how do stop a facility from downgrading utility service to other customers?

POWERQUALITY BRIAN: MIKE>>LETS SWITCH BACK TO RETAIL WHEELING

POWERQUALITY WARD: You work with that customer to do whatever is needed to correct their disturbances.

POWERQUALITY BBOYER: Be more specific

POWERQUALITY MSTEARS: Interaction between facilites can be evaluated and designed for

POWERQUALITY JOHNMUNG: as a key to hardening it helps to identify the most sensitive circuits, i.e. microprocessor logic, test for vulnerability under common surges, sags, rfi, and then notify users that their equipment contains these subsystems- for a start

POWERQUALITY BRIAN: hI DOUG

POWERQUALITY GRAVELY: Brian: Are you saving this session as a file? Can we get a list of chat session participants?

POWERQUALITY BRIAN: s, we may

POWERQUALITY DMARKS: gravely: hit TAB and use the arrow keys to page through the list of participants

POWERQUALITY SKLEIN: Will the session be available for downloading?

Petitioner Microsoft Corporation, Ex. 1002, p. 5693

POWERQUALITY BRIAN: yes, Mike we will publish in PQ Magazine

POWERQUALITY WARD: Part of the agreement for high quality power should be that the customer receiving the power will not disturb the utility system.

POWERQUALITY BRIAN: if john let's us.....

POWERQUALITY GRAVELY: I tried that, however, netcruiser has a software problem and I cannot see all of the names.

POWERQUALITY SAM: most utilities rules and regulations already require that a customer not put anything back out on the utility system

POWERQUALITY BRIAN: MIKE G.>>WE WILL PUBLISH THIS IN PQ MAG NEXT MONTH IF ASNDY LETS US

POWERQUALITY BRIAN: HOW ABOUT IT ANDY?

POWERQUALITY ANDYV: ok

POWERQUALITY BRIAN: COOL

POWERQUALITY WARD: Standards will have to be set for what constitutes a disturbance, and then the utility should work with customers, install filters, etc., to be sure they stay within the rules.

POWERQUALITY BRIAN: THANKS ANDY

POWERQUALITY ANDYV: a meeting review or a sumary of events

POWERQUALITY GRAVELY: It would be good to take a few minutes to recommend how the 15 Nov session could be more effective.

POWERQUALITY BRIAN: A SYNAPSE OF THIS CHAT WILL BE IN NEXT MONTHS PQ MAG

POWERQUALITY WINDSONG:

POWERQUALITY SKLEIN: I don't get PQ mag. Will it be on the Net?

POWERQUALITY BRIAN: STAN SIGN UP FOR IT ON OUR HOME PAGE

Petitioner Microsoft Corporation, Ex. 1002, p. 5694

POWERQUALITY DOUGC: the transcript of this conference will be available on the EnergyOne pages.

POWERQUALITY BRIAN: YOU CAN SIGN UP ON LINE

POWERQUALITY BRIAN: HTTP://WWW.UTILICORP.COM

POWERQUALITY WINDSONG: Good comment Gravely Comments from the users would be greatly appreciated!!

POWERQUALITY SAM: PQ magazine is available online on the UCU internet bulletin board, http://www.utilicorp.com

POWERQUALITY ANDYV: or link from powerquality.com

POWERQUALITY BRIAN: YOU CAN GET A FREE MAG SUBSCRIPTION FROM UTILICORP'S HOME PAGE

POWERQUALITY SKLEIN: Thanks

POWERQUALITY BRIAN: ALSO, THERE IS A PQ FORUM ON OUR HOME PAGE

POWERQUALITY JOHNMUNG: for nov 15 shall we pick five key topics? suggest health care, energy storage rfi/emc as a few topics--also new gas turbine 25 kw generator just announce today-- just some suggestions

POWERQUALITY BRIAN: GOOD SUGGESTION JOHN

POWERQUALITY ANDYV: lets develop an outline of topics for next time.

POWERQUALITY BRIAN: OK

POWERQUALITY GRAVELY: One suggestion for 15 Nov--Have participants place a list of desired topics on your other chat box and prioritize by interest level.

POWERQUALITY SKLEIN: How about deregulation and retail wheeling.

POWERQUALITY BRIAN: COMMENTS SHOULD BE SENT TO ME BY EMAIL

POWERQUALITY BRIAN: BSPENCER@UTILICORP.COM

Petitioner Microsoft Corporation, Ex. 1002, p. 5695

POWERQUALITY BRIAN: 15 minutes remaining

POWERQUALITY ANDYZYREK: Let's discuss the new standard IEEE 1159.

POWERQUALITY ANDYV: may be we could generate an online questionaire to see what people are needing discussed.

POWERQUALITY BRIAN: but the chat is available for 24 hrs/day 7 days a week

POWERQUALITY ANDYV: what does IEEE1159 address?

POWERQUALITY BRIAN: Please send all suggestion to me for our next chat

POWERQUALITY BRIAN: Bobbin is not banned now

POWERQUALITY BRIAN: my fault

POWERQUALITY ANDYZYREK: New PQ measuring techniques. We have not received our issue yet.

POWERQUALITY ANDYV: You should have it my now.

POWERQUALITY BRIAN: Bobbin is not banned anymore

POWERQUALITY ANDYV: you can e-mail me or john at: editors@powerquality.com

POWERQUALITY BRIAN: is two hours right fdo rhtis feature

POWERQUALITY JOHNMUNG: do i understand that many programmable logic controllers can be hardened by addition of simple CVT like a sola?

POWERQUALITY ANDYZYREK: Yes, but it is being delivered by snail mail.

POWERQUALITY ANDYV: no 2nd class

POWERQUALITY BRIAN: 15 minutes to go

POWERQUALITY ANDYV: Please e-mail me you complete name and addess and I will mail you one today 1st class.....now is that serice or what?

POWERQUALITY BRIAN: Is two hours long enough for tthis chat?

POWERQUALITY TKEY: Im back

Petitioner Microsoft Corporation, Ex. 1002, p. 5696

POWERQUALITY WARD: Brian, I think two hours is about right.

POWERQUALITY BRIAN: hi tom

POWERQUALITY BRIAN: good...

POWERQUALITY ANDYV: yes I agree 2hrs

POWERQUALITY BRIAN: anyone else

POWERQUALITY ANDYV: it the time of day correct?

POWERQUALITY BRIAN: questions now....

POWERQUALITY SKLEIN: The topic foremost in my mind right now is what to eat for lunch. I enjoyed the discussion, which I understand has been historic in some sense. But I think I will sign off now and go eat.

POWERQUALITY SAM: 2 hours seems to work very well

POWERQUALITY DANIELH: time of day is good

POWERQUALITY BILLMANN: 2 hrs is fine

POWERQUALITY MSTEARS: Two hours work well, the middle of the day allows east and west coast to be involved

POWERQUALITY BRIAN: good, Will everyone be back for the next chat

POWERQUALITY GRAVELY: Brian, I will forward my recommendations on email, thanks.

POWERQUALITY BILLMANN: yes i'll be back

POWERQUALITY ANDYZYREK: Brian, would it be possible to have a forum published on your home page prior to Nov 15 .

POWERQUALITY BRIAN: I would like to do another chat before Nov 15th, any thoughts

POWERQUALITY ANDY: U bet

POWERQUALITY SAM: I believe that this chat may set an attendance record for most participants during a first session

Petitioner Microsoft Corporation, Ex. 1002, p. 5697

POWERQUALITY JOHNMUNG: a parting thought--"harmonics make the music rich, they make the tone insprinng--harmonics in your power line WILL BLOW THE BUILDINGS WIRING" tIM MUNGENAST

POWERQUALITY BRIAN: Your're all invited to return

POWERQUALITY BRIAN: the next chat

POWERQUALITY BRIAN: This chat feature will help set standards of how we view our industry

POWERQUALITY WARD: For me this was two hours very well spent, and it was quite enjoyable.

POWERQUALITY BRIAN: Tell a colleague about our chat Nov 15th

POWERQUALITY BRIAN: Thanks Ward

POWERQUALITY BRIAN: I would like to do this on a weekly basis, any thoughts yet

POWERQUALITY GRAVELY: John: talk it up in Germany!!

POWERQUALITY ANDY: I would like to thank utilicorp and everyone envolved.

POWERQUALITY BRIAN: Thanks Andy for your help

POWERQUALITY WARD: Did this notice go out to the Power Globe mailing list?

POWERQUALITY BRIAN: No, but could help us Ward with that

POWERQUALITY BRIAN: Lets all get the word out about this chat

POWERQUALITY WARD: I'm on the list and will be glad to forward anything you wish to it.

POWERQUALITY BRIAN: Please use it whenver you wish, even schedule your own chats whenver

POWERQUALITY JOHNMUNG: MANY THANKS TO uTILICORP AND ALL INVOLVED- FROM AN OLD STEAM BOATER :-)

POWERQUALITY BRIAN: thanks ward

POWERQUALITY BRIAN: Hi duane

Petitioner Microsoft Corporation, Ex. 1002, p. 5698

POWERQUALITY BRIAN: This chat is offically over, but do stick around for foir more chatting

POWERQUALITY BRIAN: Thanks to all, cya on Nov 15th

POWERQUALITY MSTEARS: Ward, Tom, and John I appreciate your participation

POWERQUALITY BRIAN: Thanks Guys and Ladies!!!!!!!!!!

POWERQUALITY SWPPD: WHAT IS HAPPENING ON NOV. 15

POWERQUALITY BRIAN: our next chat with a panel of experts

POWERQUALITY BRIAN: topic yet to be decided

POWERQUALITY DPSWOBO: Hi Brian, Sorry I was on the phone and could not respond right away. Did I get the time incorrectly for the chat?

POWERQUALITY BRIAN: please send us a suggestions

POWERQUALITY ANDY: good bye ;-)

POWERQUALITY BRIAN: Yeah, but stick around to chat with some friends

POWERQUALITY BRIAN: We had a total of 50 people and avg of 20 people at one time

POWERQUALITY BRIAN: Thanks everyone!!!Lunch Time

POWERQUALITY BRIAN: Next Chat Nov 15th at 10-12 ct

POWERQUALITY BRIAN: But this chat line is available 24hrs/day/7 days a week

POWERQUALITY BRIAN: Please use it whenever

POWERQUALITY GRAVELY: Thanks to the panel and Utilicorp for the session!

POWERQUALITY BRIAN: Talk to your collegues and friends about any particular topic

POWERQUALITY BRIAN: Come see our home page for new topics and chats

POWERQUALITY BRIAN: http://www.utilicorp.com

POWERQUALITY BRIAN: Thanks Power Quality Assurance Magazine and All our panel members

POWERQUALITY BRIAN: :)

Petitioner Microsoft Corporation, Ex. 1002, p. 5699

POWERQUALITY SWPPD: MISSED THIS SESSION. ICAN WE GET HARD COPY INFO?

POWERQUALITY BRIAN: yes swwp, it will be published in pq mag and our home page

POWERQUALITY BRIAN: catch our next session on nov 15th

POWERQUALITY BRIAN: 10-12 ct

POWERQUALITY SWPPD: THANKS A BUNCH!!

POWERQUALITY SWPPD: GOOD BYE!

POWERQUALITY BRIAN: no prob

POWERQUALITY BRIAN: cya

POWERQUALITY DESWETT:

POWERQUALITY TKEY: Good session brian, ddorr and I will be signing off now, look forward to the next session

POWERQUALITY DPSWOBO: Thanks for the info on the next session, we will get on next time

POWERQUALITY DMARKS: I hope everyone enjoyed this session.

POWERQUALITY MSTEARS: I am logging off Thanks

POWERQUALITY SAM: This is Tony and I am watching the action... we made history. Great work guys.

POWERQUALITY BRIAN: Lunch time

POWERQUALITY BRIAN: Next chat is nov 15th

POWERQUALITY BRIAN: 10-12ct

POWERQUALITY BRIAN: please continuie to look at utilicorp's hp

POWERQUALITY BRIAN: for more info

POWERQUALITY BRIAN: email if you have any questions regarding the chat

POWERQUALITY BRIAN: bspencer@utilicorp.com

Petitioner Microsoft Corporation, Ex. 1002, p. 5700

POWERQUALITY BRIAN: later

SUPPORT BRIAN: hi guys

SUPPORT BRIAN: success

SUPPORT BRIAN: yess!!!

POWERQUALITY BRIAN: retail wheeling

POWERQUALITY BRIAN: cya, lunch time

POWERQUALITY CPREECS: later

POWERQUALITY BRIAN: bye all

POWERQUALITY BRIAN: email me chuck

POWERQUALITY RB: sorry I missed it. I got 12-2 est off the net. bye.

POWERQUALITY BRIAN: sorry RB

POWERQUALITY BRIAN: miss information

POWERQUALITY BRIAN: next chat is 10-12

POWERQUALITY BRIAN: ct

POWERQUALITY BRIAN: nov 15th

POWERQUALITY BRIAN: bye

POWERQUALITY RB: thanks

POWERQUALITY BRIAN: no prob, tell all

POWERQUALITY ANDY: Is anyone still here talking about power quality?

POWERQUALITY DAVE: Just signed on that is what I was trying to find out

POWERQUALITY ANDY: the PQ chat was running from 11:00-1:00est

POWERQUALITY ANDY: Were you involved then?

POWERQUALITY DAVE: No I just got a chance to sign on now

POWERQUALITY ANDY: there were some great discussions.

POWERQUALITY ANDY: The transcripts will be available to down load at utilicorp.com Brian Spencer says.

POWERQUALITY ANDY: What is your experience in PQ

POWERQUALITY DAVE: That is what I was looking for, are they available to down load now, I

Petitioner Microsoft Corporation, Ex. 1002, p. 5702

work in a data center and have worked with UPS systems for about 12 years

POWERQUALITY DAVE: I did field service for Exide

POWERQUALITY ANDY: Brian just went to Lunch in KS I don/t know when it will availalbe.

POWERQUALITY DAVE: Thanks for the Info on the downloads, I hope they do this again

POWERQUALITY ANDY: so do I.

POWERQUALITY DAVE: What is your experience on PQ

POWERQUALITY ANDY: I am the editor or Power quality mag.

POWERQUALITY DAVE: Good mag., I pick up alot in it

POWERQUALITY ANDY: do your receive power quality assurance magazine?

POWERQUALITY ANDY: great glad to hear it.

POWERQUALITY DAVE: We get it at work but I have asked to have it sent to my home

POWERQUALITY ANDY: did you get the latest issue witht the lighting on the cover?

POWERQUALITY DAVE: Not yet, have seen it on line though

POWERQUALITY ANDY: great.

POWERQUALITY ANDY: any suggestion for editorial?

POWERQUALITY DAVE:

POWERQUALITY DAVE: no it is good

POWERQUALITY ANDY: ok.

POWERQUALITY ANDY: I am currently editing an article about VRLA battery charging.

POWERQUALITY DAVE: I am working on a resonant problem with Utility and was looking for info

POWERQUALITY ANDY: explain

POWERQUALITY ANDY: by the way my e-mail is andy@powerquality.com

POWERQUALITY DAVE: we are running a lot of 5th har. across our system in a large data

Petitioner Microsoft Corporation, Ex. 1002, p. 5703

center

POWERQUALITY ANDY: I see

POWERQUALITY ANDY: I will try to address this in an upcomming issue. may be march/april or even sooner.

POWERQUALITY DAVE: we have 4800kw of UPS cap on two transformers and we have alot of 5th on our other boards

POWERQUALITY ANDY: If you are interested in writing up a case history including you solutions I would like to review it and poss. publish

POWERQUALITY MSTONEHAM: Is this chat session still active?

POWERQUALITY ANDY: YES

POWERQUALITY ANDY: We can'nt get enough! ! !

POWERQUALITY DAVE: when we can get it fixed, It looks like we have a problem with input filtering on a couple of UPS,s

POWERQUALITY ANDY: input fro the utility or a generator?

POWERQUALITY DAVE: utility

POWERQUALITY MSTONEHAM: I understand there was a chat session earlier today with some guest" chatters". Is there an archive of the discussion since I missed it?

POWERQUALITY DAVE: we have 66kv to 12kv then to 480 v by 4 trans on property

POWERQUALITY ANDY: What are you leaning towards in a solution dave

POWERQUALITY ANDY: MTONEHAM>>yes but I don't know when. contact BSPENCER@utilicorp.com

POWERQUALITY DAVE: the computer seem to have no problem, but we have alot of motor heating / bad PF

POWERQUALITY MSTONEHAM: Thanks!

Petitioner Microsoft Corporation, Ex. 1002, p. 5704

POWERQUALITY DAVE: we currently are working with a consulant but I am looking for more info

POWERQUALITY ANDY: will capacitors solve your ptoblem

POWERQUALITY ANDY:

POWERQUALITY ANDY: there also is a forum under utilicorp.com where you can post you questions.

POWERQUALITY DAVE: Each 600kw UPS has Input filtering / may need trap for 5th

POWERQUALITY ANDY: or you can access it form powerquality.com

POWERQUALITY DAVE: thanks

POWERQUALITY ANDY: Talk to ya later dave

POWERQUALITY DAVE: is PQ.com your Mag

POWERQUALITY ANDY: bye

POWERQUALITY DAVE: bye

POWERQUALITY ANDY: yes

POWERQUALITY DAVE: thanks

POWERQUALITY ANDY: :-)

POWERQUALITY MSTONEHAM:

POWERQUALITY MSTONEHAM: Is anyone else hear? There doesn't seem to be much traffic.

POWERQUALITY MSTONEHAM:

POWERQUALITY CILCOJRG: Hello- is the conference over?

POWERQUALITY CILCOJRG:

POWERQUALITY CILCOJRG: hello

POWERQUALITY BRIAN: yes

POWERQUALITY BRIAN: the conference was from 10-12 ct

Petitioner Microsoft Corporation, Ex. 1002, p. 5705

POWERQUALITY BRIAN: someone gave out the wrong information

POWERQUALITY BRIAN: hello cilco

POWERQUALITY BRIAN: anyone still there

SUPPORT BRIAN: hi all

SUPPORT BRIAN: anyone there

POWERQUALITY BRIAN: jenny>>are you there

POWERQUALITY CJBOUTCHER: is anyone here a utility employee?

POWERQUALITY BRIAN: Hi chris

POWERQUALITY BRIAN: how are you?

POWERQUALITY CJBOUTCHER: hi brian it is quiet in here

POWERQUALITY BRIAN: the conference was at 10:00ct

POWERQUALITY CJBOUTCHER: ah I see

POWERQUALITY CJBOUTCHER: when is the next one?

POWERQUALITY BRIAN: nov 15th

POWERQUALITY BRIAN: 10-12

POWERQUALITY BRIAN: ct

POWERQUALITY CJBOUTCHER: is the channel open at other times?

POWERQUALITY BRIAN: yes 24 hours a dfay

POWERQUALITY CJBOUTCHER: but not much discussion?

POWERQUALITY BRIAN: not right now,

POWERQUALITY BRIAN: cya

POWERQUALITY CJBOUTCHER: bye

POWERQUALITY BRIAN: hi jenny

POWERQUALITY JOSH: hello?

Petitioner Microsoft Corporation, Ex. 1002, p. 5706

POWERQUALITY BRIAN: hi dan

POWERQUALITY BRIAN: hi dan

POWERQUALITY BRIAN: are you awake yet?

POWERQUALITY BRIAN: just giving present this a.m.

POWERQUALITY BRIAN: :)

POWERQUALITY BRIAN: who is guest96

POWERQUALITY GUEST96: test

While a particular embodiment of the present invention has been disclosed, it is to be understood that various different modifications are possible and are within the true spirit of the invention, the scope of which is to be determined with reference to the claims set forth below. There is no intention, therefore, to limit the invention to the exact disclosure presented herein as a teaching of one embodiment of the invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5707

OIPE JC44 MAY 06 2002 PATENT & TRADEMARK OFFICE

~~2765~~ ~~2155~~ ~~2164~~

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: May 2, 2002

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

File: AIS-P99-1

RECEIVED MAY 08 2002 Technology Center 2100

#14

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

SIR:

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

1. Information Disclosure Statement;
2. PTO Form 1449; and
3. Cited Art.

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5708

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

Respectfully submitted,

Date: May 2, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5709

OIPE JC44
MAY 0 6 2002
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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: May 2, 2002

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

PATENT

Paper No.

File: AIS-P99-1

RECEIVED
MAY 0 8 2002
Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

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, 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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5710

I. COMMENT ON THE ENCLOSED ART

The section of the patent application subtitled "Background of the Invention" identifies material believed to be material to, or of interest in, the examination of the application and provides a concise explanation of the material. This Information Disclosure Statement transmits copies of information which the undersigned respectfully requests the Examiner to consider in the examination of the application.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. §§ 1.56, it is not intended that these constitute an admission of "prior art" for this invention. 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.

Additionally, the undersigned wishes to make of record that it is possible that the web site of http://imaginaryrealitites.imaginary.com:8080/volume3/issue2/history.shtml has a history of online gaming but the undersigned was unable to open or access the web site.

II. FEE

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

III. SIGNATURE

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,

Date: May 2, 2002

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

P.O. Box 7131
Chicago, IL 60680-7131

Petitioner Microsoft Corporation, Ex. 1002, p. 5711

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~~ 2155

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

OIPE JC44 MAY 06 2002 PATENT & TRADEMARK OFFICE

RECEIVED MAY 08 2002 Technology Center 2100

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Dat 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
plw	C1	"Mechanisms for Specifying and Describing the Format of Internet Message Bodies", *Nathaniel Borenstein, Ned Freed,* June 1991, Pgs. 1-40
plw	C2	"Network Security via Private-Key Certificates", *Don Davis and Ralph Swick*, Pgs. 1-4
plw	C3	"Discuss in Section 9", *Athena Zepher and Kerberos*, 1988, Pgs. 1-11
plw	C4	"www.cs.columbia.edu/~hgs/rpt/" complete printout of website.
plw	C5	"History of IRC", *Daniel Stenberg*, Version: 0.7 - January 8, 2002
plw	C6	"Index of /pub/academic/communications/logs/Gulf-War/", *www.ibiblio.org/pub/academic/communicaations/logs/Gulf-War/desert-storm/01*
plw	C7	"Join a Dungeon Adventure", *Daniel James*, November 30, 2001, www.techtv.com/screensavers /supergeek/story/0,24330,3012300,00.html
plw	C8	"Google Search Results for MUDs", *Google.com*, http://directory.google.com/Top/Games/Internet/MUDs/
plw	C9	"A Brief History of SOF", http://sofeq.sofguild.com/history.htm
plw	C10	"Adventures On-Line", *Michael Ciraolo*, www.atarimagazines.com/v2n7/online.html, Antic Vol. 3, No. 7, November 1984

EXAMINER: Patrice Winder | DATE CONSIDERED: Feb 10, 2003

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)

C: 56468(AIS-P1-99.1449.2)

CIPE JC24
MAR 0 1 2002
PATENT & TRADEMARK OFFICE

2765
261

#12/C
LOS
3-12-02
entered

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 the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202 on the date indicated below.

Date: February 25, 2002

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
MAR 0 7 2002
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

SIR:

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

1. Second Preliminary Amendment; and
2. Amended Version of the Claims.

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5713

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

Respectfully submitted,

Date: February 25, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5714

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 the U.S. Patent and Trademark Office, P.O. Box 7131, Arlington, VA 22202 on the date indicated below.

Date: February 25, 2002

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

CIPE JC24 MAR 01 2002 PATENT & TRADEMARK OFFICE

PATENT

Paper No. 4

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
MAR 07 2002
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

SECOND PRELIMINARY AMENDMENT

SIR:

Please enter the following amendment and reconsider the application in view of the amendment set forth below.

I. Amendment

A. In the Claims

Please amend claim 1 as follows:

1. (Twice Amended) A method for using a computer system to arbitrate and distribute communication over the Internet, the method including the steps of:

connecting a plurality of participator computers with a controller computer

through the Internet, each said participator computer connected to an input device to receive input information from a respective user and to an output device, each said user having a user identity;

programming the controller computer to control distributing the communication;

programming the participator computers to enable receiving the communication;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which one of the participator computers can receive the communication, including a communication of sound, video, a graphic, a pointer-trigger communication, or a combination thereof, wherein said arbitrating with said pointer-trigger communication includes said controller computer using said pointer to fetch a pre-stored communication to the one of the participator computers; and

distributing, in accordance with the predefined rules, the communication in real time over the Internet to the one of the participator computers.

---

8. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said pointer-triggered communication.

---

12. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said video and said pointer-triggered communication.

---

15. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said graphic and said pointer-triggered

Petitioner Microsoft Corporation, Ex. 1002, p. 5716

communication.

18. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication.

20. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication.

21. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication and further including text or ascii.

22. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication and further including text or ascii.

26. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said pointer-triggered communication.

30. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video and said pointer-triggered

Petitioner Microsoft Corporation, Ex. 1002, p. 5717

communication.

33. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said graphic and said pointer-triggered communication.

36. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication.

38. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication.

39. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication and further including text or ascii.

40. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication and further including text or ascii.

44. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said pointer-triggered

Petitioner Microsoft Corporation, Ex. 1002, p. 5718

communication.

48. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said video and said pointer-triggered communication.

51. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said graphic and said pointer-triggered communication.

54. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication.

56. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication.

57. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication and further including text or ascii.

58. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including sound and video and graphic and pointer-triggered

Petitioner Microsoft Corporation, Ex. 1002, p. 5719

communication and further including text.

62. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said pointer-triggered communication.

66. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video and said pointer-triggered communication.

69. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said graphic and said pointer-triggered communication.

72. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said pointer-triggered communication.

74. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said pointer-triggered communication.

76. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and

Petitioner Microsoft Corporation, Ex. 1002, p. 5720

said pointer-triggered communication and further including text or ascii.

165. A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a communication of sound, video, graphic, a pointer-trigger communication, or a combination thereof, wherein said arbitrating with said pointer-trigger communication includes said controller computer using said pointer to fetch a pre-stored communication to the one of the participator computers, wherein said communication is controlled by said user identity;

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real time over the Internet network to at least one of said participator computers.

II FEE

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.

III CONCLUSION

The application, as amended, is believed to be in condition for allowance, and favorable action is requested. The Examiner is invited to contact the undersigned at (312) 240-

Petitioner Microsoft Corporation, Ex. 1002, p. 5721

0824 if it can in any way expedite or ease the handling of this case. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: February 25, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5722

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 the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202 on the date indicated below.

Date: February 25, 2002

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

C I P E
MAR 0 1 2002
JC24
PATENT & TRADEMARK OFFICE

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

AMENDED VERSION OF THE CLAIMS

S I R :

Set forth below is the amended version of the claims.

1. (Twice Amended) A method for using a computer system to arbitrate and distribute communication over the Internet, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet, each said participator computer connected to an input device to receive input information from a respective user and to an output device, each said user having a user identity;

programming the controller computer to control distributing the communication;

programming the participator computers to enable receiving the communication;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which one of the participator computers can receive the communication, including a communication of sound, video, a graphic, a [URL] pointer-trigger communication, or a combination thereof, wherein said arbitrating with said pointer-trigger communication includes said controller computer using said pointer to fetch a pre-stored communication to the one of the participator computers; and

distributing, in accordance with the predefined rules, the communication in real time over the Internet to the one of the participator computers.

8. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said [URL] pointer-triggered communication.

12. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said video and said [URL] pointer-triggered communication.

15. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said graphic and said [URL] pointer-triggered communication.

18. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said [URL] pointer-triggered communication.

Petitioner Microsoft Corporation, Ex. 1002, p. 5724

20. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said [URL] pointer-triggered communication

21. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said [URL] pointer-triggered communication and further including text or ascii.

22. (Once Amended) The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said [URL] pointer-triggered communication and further including text or ascii.

26. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said [URL] pointer-triggered communication.

30. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video and said [URL] pointer-triggered communication.

33. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said graphic and said [URL] pointer-triggered communication.

Petitioner Microsoft Corporation, Ex. 1002, p. 5725

36. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said [URL] pointer-triggered communication.

38. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said [URL] pointer-triggered communication.

39. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said [URL] pointer-triggered communication and further including text or ascii.

40. (Once Amended) The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said [URL] pointer-triggered communication and further including text or ascii.

44. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said [URL] pointer-triggered communication.

48. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said video and said [URL] pointer-triggered communication.

Petitioner Microsoft Corporation, Ex. 1002, p. 5726

51. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said graphic and said [URL] pointer-triggered communication.

54. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said [URL] pointer-triggered communication.

56. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said [URL] pointer-triggered communication.

57. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said [URL] pointer-triggered communication and further including text or ascii.

58. (Once Amended) The method of claim 3, wherein said step of arbitrating is carried out with the communication including sound and video and graphic and [URL] pointer-triggered communication and further including text.

62. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said [URL] pointer-triggered communication.

Petitioner Microsoft Corporation, Ex. 1002, p. 5727

66. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video and said [URL] pointer-triggered communication.

69. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said graphic and said [URL] pointer-triggered communication.

72. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said [URL] pointer-triggered communication.

74. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said [URL] pointer-triggered communication.

76. (Once Amended) The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said [URL] pointer-triggered communication and further including text or ascii.

165. A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

Petitioner Microsoft Corporation, Ex. 1002, p. 5728

programming the participator computers to enable communication, including a communication of sound, video, graphic, a [URL] pointer-trigger communication, or a combination thereof, wherein said arbitrating with said pointer-trigger communication includes said controller computer using said pointer to fetch a pre-stored communication to the one of the participator computers, wherein said communication is controlled by said user identity;

connecting said participator computers to said Internet network;

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real time over the Internet network to at least one of said participator computers.

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.

The application, as amended, is believed to be in condition for allowance, and favorable action is requested. The Examiner is invited to contact the undersigned at (312) 240-0824 if it can in any way expedite or ease the handling of this case. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: February 25, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5729

~~2765~~
2161

OLPE #C184 FEB 20 2002 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 the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202 on the date indicated below.

Date: February 11, 2002

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

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
FEB 27 2002
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	~~2765~~ 2155
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

SIR:

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

1. Information Disclosure Statement;
2. PTO Form 1449; and
3. Cited Art.

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5730

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

Respectfully submitted,

Date: February 11, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5731

OIPE JC184
FEB 20 2002
PATENT & TRADEMARK OFFICE

#13
3-17-02
GM

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 the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202 on the date indicated below.

Date: February 11, 2002

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

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

RECEIVED
FEB 27 2002
Technology Center 2100

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

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, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The

Petitioner Microsoft Corporation, Ex. 1002, p. 5732

Examiner is reminded to check those files for such materials.

I. COMMENT ON THE ENCLOSED PRIOR ART

The section of the patent application subtitled "Background of the Invention" identifies material believed to be material to, or of interest in, the examination of the application and provides a concise explanation of the material. This Information Disclosure Statement transmits copies of information which the undersigned respectfully requests the Examiner to consider in the examination of the application.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. §§ 1.56, it is not intended that these constitute an admission of "prior art" for this invention. 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.

II. FEE

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

III. SIGNATURE

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,

Date: February 11, 2002

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5733

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial N 09/399578
List f Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant: Daniel L. Marks #13	
	Filing Date: September 20, 1999	Group: ~~2765~~ 2155

OIPE SCAN FEB 2 0 2002 PATENT & TRADEMARK OFFICE

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
plw	C1	"Microsoft NetMeeting Conferencing Software Provides Easy Voice, Dad Internet Communications; Available on the Web Now", May 29, 1996, http://www.microsoft.com/presspass/press/1996/may96/INCONFPR.asp
	C2	
	C3	

RECEIVED FEB 2 7 2002 Technology Center 2100

EXAMINER: Patrice L. Winder | DATE CONSIDERED: Feb. 12, 2003

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

MAIL Paper No. 11

Peter K. Trzyna
P.O. Box 7131
Chicago, Illinois 60680-7131

FEB 0 4 2002

DIRECTOR OFFICE
TECHNOLOGY CENTER 2100

In re Application of: Daniel L. Marks	)	**DECISION ON PETITION**
Application No. 09/399,578	)	**FOR ACCELERATED**
Filed: September 20, 1999	)	**EXAMINATION UNDER**
For: GROUP COMMUNICATIONS MULTIPLEXING SYSTEM	)	**M.P.E.P. §708.02(VIII)**

This is a decision on the petition, filed August 30, 2001 under 37 C.F.R. §1.102(d) and M.P.E.P. §708.02(VIII): Accelerated Examination, to make the above-identified application special.

M.P.E.P. §708.02, Section VIII which sets out the prerequisites for a grantable petition for Accelerated Examination under 37 C.F.R. §1.102(d) states in relevant part:

A new application (one which has not received any examination by the examiner) may be granted special status provided that applicant (and this term includes applicant's attorney or agent) complies with each of the following items:

(a) Submits a petition to make special accompanied by the fee set forth in 37 CFR 1.17(i);

(b) Presents all claims directed to a single invention, or if the Office determines that all the claims presented are not obviously directed to a single invention, will make an election without traverse as a prerequisite to the grant of special status.

(c) Submits a statement(s) that a pre - examination search was made, listing the field of search by class and subclass, publication, Chemical Abstracts, foreign patents, etc. A search made by a foreign patent office satisfies this requirement;

(d) Submits one copy each of the references deemed most closely related to the subject matter encompassed by the claims if said references are not already of record; and

(e) Submits a detailed discussion of the references, which discussion points out, with the particularity required by 37 CFR 1.111(b) and (c), how the claimed subject matter is patentable over the references.

In those instances where the request for this special status does not meet all the prerequisites set forth above, ***applicant will be notified and the defects in the request will be stated.*** The

application will remain in the status of a new application awaiting action in its regular turn. In those instances where a request is defective in one or more respects, applicant will be given one opportunity to perfect the request in a renewed petition to make special. If perfected, the request will then be granted. If not perfected in the first renewed petition, any additional renewed petitions to make special may or may not be considered at the discretion of the Group Special Program Examiner.

Applicant's submission is deficient in that there is no detailed discussion of the references as required by section (e) to the extent required by 37 CFR 1.111(b) and (c). The submission does not satisfy the requirement, as it does not provide a ***detailed discussion*** of the references and it does not point out how the ***claimed subject matter is patentable over the references***.

Accordingly, the Petition is **DENIED**. The application file is being forwarded to Central Files to await examination in its proper turn based on its effective filing date.

Any request for reconsideration must be filed within two months of the mailing date of this decision.

Pinchus M. Laufer
Special Programs Examiner
Technology Center 2100
Computer Architecture, Software, and Electronic Commerce
(703) 306-4160

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1

CONFIRMATION NO. 2427

OC000000007109119

PETER K TRZYNA
P.O.BOX 7131

CHICAGO, IL 606807131

Date Mailed: 11/21/2001

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/06/2001.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

JESSICA T GAYNOR
2100 703306141

OFFICE COPY

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1

CONFIRMATION NO. 2427

OC000000007109134

PETER K TRZYNA
P.O.BOX 7131

CHICAGO, IL 606807131

#10

Date Mailed: 11/21/2001

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/06/2001.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

JESSICA Y GAYNOR
2100 7033064141

OFFICE COPY

MAIL DATE OF CANCELLED
OIPE JC167 SEP 6 2001 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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: August 30, 2001

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

OIPE JC167 SEP 0 6 2001 PATENT & TRADEMARK OFFICE

PATENT

Paper No. 3

File: AIS-P99-1

~~2765~~ ~~2167~~ 2155

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
SEP 1 0 2001
Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	~~2765~~
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

S I R :

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

1. Petition to Make Special;
2. Information Disclosure Statement;
3. PTO Form 1449; and
4. Cited Art.

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5739

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

Respectfully submitted,

Date: August 30, 2001

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5740

I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being sent via Federal Express to the Examiner on the date indicated below and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date set forth below:

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

Date: August 30, 2001

MAIL DATE CANCELED

OIPE JC187 SEP 16 2001 PATENT & TRADEMARK OFFICE

OIPE JC187 SEP 06 2001 PATENT & TRADEMARK OFFICE

#8 T.P. 11/20/01

PATENT

Paper No. 3

File: AIS-P1-99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

RECEIVED

JAN 25 2002

DIRECTOR OFFICE
TECHNOLOGY CENTER 2100

RECEIVED

SEP 10 2001

Technology Center 2100

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

PETITION TO MAKE SPECIAL FOR NEW APPLICATION UNDER MPEP §708.02 VII

SIR:

1. Petition Applicant hereby petitions to make this new application, which has not received any examination by the Examiner, special.

2. Claims All the claims in this case are believed to be directed to a single invention continuation in a patent application that claims priority from U.S. Patent No. 5,956,491. If the Patent and Trademark Office determines that all the claims presented are not directed to a single invention, Applicant will make an election without traverse as prerequisite to the grant of special status.

3. Search The patent application is a continuation of application Serial No. 08/617,658, filed April 1, 1996, and issuing on September 21, 1999, as U.S. Patent No. 5,956,491. In the parent patent application, the Examiner conducted a search in classes 395 and

11/21/2001 TDADE1 00000004 500235 09399578
01 FC:122 130.00 CH

200.8. The results of the search, and other information that may be material or of interest, were made of record in the prior application.

4. Copy of References A copy of each reference or other document uncovered in the prior applications is already of record in those cases, which the Examiner is requested to consider again. A duplicate is provided herewith.

5. Detailed Discussion of the References The pending claims are similar to those allowed in the parent case. The Examiner made no comments concerning the reasons for allowance of the patent and cited no prior art in a rejection except that which is enclosed. The patents cited in the Office Action in the parent case do not disclose an Internet-type structure, as required in the independent claims. As pointed out in the Amendment and Response in the parent case, "BLY (Patent No. 5,008,853) instead teaches a local area network structure, although RYU (Patent No. 5,528,671) teaches what seems to be a relay type of structure." The contention that neither teaches the above-mentioned claimed features of the present invention on an Internet-type of structure was sufficient to overcome the rejection, resulting in issuance of the parent patent. Accordingly, the claimed invention is believed to be patentable over the known prior art.

6. Fee 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 30, 2001

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5742

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: August 30, 2001

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

PATENT

Paper No. 3

Our File No. AIS-P1-99

OIPE JC167 SEP 0 6 2001 PATENT & TRADEMARK OFFICE

#9

MAIL DATE CANCELLED

OIPE JC167 SEP 1 6 2001 PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

SEP 1 0 2001

Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	~~2765~~ 2155
Examiner	:	

Assistant Commissioner of Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

SIR:

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, 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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5743

I. COMMENT ON THE ENCLOSED PRIOR ART

The section of the patent application subtitled "Background of the Invention" identifies material believed to be material to, or of interest in, the examination of the application and provides a concise explanation of the material. This information Disclosure Statement transmits copies of information which the undersigned respectfully requests the Examiner to consider in the examination of the application.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. §§ 1.56, it is not intended that these constitute an admission of "prior art" for this invention unless expressly designated as such. 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.

II. FEE

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

III. SIGNATURE

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,

Date: August 30, 2001

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5744

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: July 31, 2001

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

OIPE JC183 AUG 0 6 2001 PATENT & TRADEMARK OFFICE

PATENT B

Paper No.

File: AIS-P99-1

~~2765~~ 2161

RECEIVED 08 2001 Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

#5 / Pre Amendt B J Gaynor 8/07

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

S I R :

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

1. Preliminary Amendment;
2. Amended Version of Claims;
3. Terminal Disclaimer To Obviate a Double Patenting Rejection Over a Prior Patent;
4. Statement Under 37 CFR 3.73(b); and
5. Power of Attorney by Assignee of Entire Interest (Revocation of Prior Powers).

Petitioner Microsoft Corporation, Ex. 1002, p. 5745

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 31, 2001

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5746

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date:_____

Signed:_____
Peter K. Trzyna (Reg. No. 32,601)

OIPE
AUG 06 2001
PATENT & TRADEMARK OFFICE

PATENT

Paper No.

File: AIS-P99-1

RECEIVED
AUG 08 2001
Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

S I R :

Please enter the following amendment and reconsider the application in view of the amendment set forth below.

I. Amendment

A. In the Claims

Please amend claim 1 as follows:

1. (Once Amended) A method for using a computer system to arbitrate and distribute communication over the Internet, the method including the steps of:

connecting a plurality of participator computers with a controller computer

11/21/2001 TDHDE1 00000003 500235 09399578
01 FC:103 2826.00 CH

Petitioner Microsoft Corporation, Ex. 1002, p. 5747

through the Internet, each said participator computer connected to an input device to receive input information from a respective user and to an output device, each said user having a user identity;

programming the controller computer to control distributing the communication;

programming the participator computers to enable receiving the communication;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which one of the participator computers can receive the communication, including a communication of sound, video, a graphic, a URL, or a combination thereof; and

distributing, in accordance with the predefined rules, the communication in real time over the Internet to the one of the participator computers.

Please add the following new claims.

2. The method of claim 1, wherein the step of arbitrating includes forming more than one channel over the Internet.

3. The method of claim 1, further including the step of censoring responsive to said user identity.

4. The method of claim 1, further including the step of:

using a web browser or auxiliary program to facilitate the communication.

5. The method of claim 1, wherein said step of arbitrating is carried out with

Petitioner Microsoft Corporation, Ex. 1002, p. 5748

the communication including sound.

6. The method of claim 1, wherein said step of arbitrating is carried out with the communication including sound and video.

7. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said graphic.

8. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said URL.

9. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and further including text or ascii.

10. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said video.

11. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said video and said graphic.

12. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said video and said URL.

13. The method of claim 1, wherein said step of arbitrating is carried out with

Petitioner Microsoft Corporation, Ex. 1002, p. 5749

the communication including said video and further including text or ascii.

14. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said graphic.

15. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said graphic and said URL.

16. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said graphic and further including text or ascii.

17. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic.

18. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said URL.

19. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and further including text or ascii.

20. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said URL.

21. The method of claim 1, wherein said step of arbitrating is carried out with

Petitioner Microsoft Corporation, Ex. 1002, p. 5750

the communication including said sound and said video and said URL and further including text or ascii.

22. The method of claim 1, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said URL and further including text or ascii.

23. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound.

24. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video.

25. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said graphic.

26. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said URL.

27. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and further including text or ascii.

28. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video.

Petitioner Microsoft Corporation, Ex. 1002, p. 5751

29. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video and said graphic.

30. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video and said URL.

31. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said video and further including text or ascii.

32. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said graphic.

33. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said graphic and said URL.

34. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said graphic and further including text or ascii.

35. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic.

36. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said URL.

Petitioner Microsoft Corporation, Ex. 1002, p. 5752

37. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and further including text or ascii.

38. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said URL.

39. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said URL and further including text or ascii.

40. The method of claim 2, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said URL and further including text or ascii.

41. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound.

42. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video.

43. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said graphic.

Petitioner Microsoft Corporation, Ex. 1002, p. 5753

44. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said URL.

45. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and further including text or ascii.

46. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said video.

47. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said video and said graphic.

48. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said video and said URL.

49. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said video and further including text or ascii.

50. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said graphic.

51. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said graphic and said URL.

Petitioner Microsoft Corporation, Ex. 1002, p. 5754

52. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said graphic and further including text or ascii.

53. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic.

54. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said URL.

55. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and further including text or ascii.

56. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said URL.

57. The method of claim 3, wherein said step of arbitrating is carried out with the communication including said sound and said video and said URL and further including text or ascii.

58. The method of claim 3, wherein said step of arbitrating is carried out with the communication including sound and video and graphic and URL and further including text.

59. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound.

Petitioner Microsoft Corporation, Ex. 1002, p. 5755

60. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video.

61. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said graphic.

62. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said URL.

63. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and further including text or ascii.

64. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video.

65. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video and said graphic.

66. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video and said URL.

67. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said video and further including text or ascii.

Petitioner Microsoft Corporation, Ex. 1002, p. 5756

68. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said graphic.

69. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said graphic and said URL.

70. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said graphic and further including text or ascii.

71. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic.

72. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said URL.

73. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and further including text or ascii.

74. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said URL.

75. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said URL and further including text

Petitioner Microsoft Corporation, Ex. 1002, p. 5757

or ascii.

76. The method of claim 4, wherein said step of arbitrating is carried out with the communication including said sound and said video and said graphic and said URL and further including text or ascii.

77. The method of claim 1, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

78. The method of claim 2, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

79. The method of claim 3, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

80. The method of claim 4, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

Petitioner Microsoft Corporation, Ex. 1002, p. 5758

determining age of the user for said account.

81. The method of claim 5, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

82. The method of claim 6, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

83. The method of claim 7, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

84. The method of claim 8, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

85. The method of claim 9, further including the steps of:

providing a screen from said controller computer to said participator computers,

Petitioner Microsoft Corporation, Ex. 1002, p. 5759

the screen soliciting registration for an account; and

determining age of the user for said account.

86. The method of claim 10, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

87. The method of claim 11, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

88. The method of claim 12, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

89. The method of claim 13, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

90. The method of claim 14, further including the steps of:

Petitioner Microsoft Corporation, Ex. 1002, p. 5760

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

91. The method of claim 15, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

92. The method of claim 16, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

93. The method of claim 17, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

94. The method of claim 18, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5761

95. The method of claim 19, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

96. The method of claim 20, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

97. The method of claim 21, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

98. The method of claim 22, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

99. The method of claim 23, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5762

100. The method of claim 24, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

101. The method of claim 25, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

102. The method of claim 26, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

103. The method of claim 27, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

104. The method of claim 28, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

Petitioner Microsoft Corporation, Ex. 1002, p. 5763

determining age of the user for said account.

105. The method of claim 29, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

106. The method of claim 30, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

107. The method of claim 31, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

108. The method of claim 32, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

109. The method of claim 33, further including the steps of:

providing a screen from said controller computer to said participator computers,

Petitioner Microsoft Corporation, Ex. 1002, p. 5764

the screen soliciting registration for an account; and

determining age of the user for said account.

110. The method of claim 34, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

111. The method of claim 35, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

112. The method of claim 36, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

113. The method of claim 37, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

114. The method of claim 38, further including the steps of:

Petitioner Microsoft Corporation, Ex. 1002, p. 5765

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

115. The method of claim 39, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

116. The method of claim 40, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

117. The method of claim 41, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

118. The method of claim 42, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5766

119. The method of claim 43, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

120. The method of claim 44, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

121. The method of claim 45, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

B2 cont. E1

122. The method of claim 46, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

123. The method of claim 47, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5767

124. The method of claim 48, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

125. The method of claim 49, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

126. The method of claim 50, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

127. The method of claim 51, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

128. The method of claim 52, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

Petitioner Microsoft Corporation, Ex. 1002, p. 5768

determining age of the user for said account.

129. The method of claim 53, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

130. The method of claim 54, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

131. The method of claim 55, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

132. The method of claim 56, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

133. The method of claim 57, further including the steps of:

providing a screen from said controller computer to said participator computers,

Petitioner Microsoft Corporation, Ex. 1002, p. 5769

the screen soliciting registration for an account; and

determining age of the user for said account.

134. The method of claim 58, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

135. The method of claim 59, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

136. The method of claim 60, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

137. The method of claim 61, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

138. The method of claim 62, further including the steps of:

Petitioner Microsoft Corporation, Ex. 1002, p. 5770

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

139. The method of claim 63, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

140. The method of claim 64, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

141. The method of claim 65, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

142. The method of claim 66, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5771

143. The method of claim 67, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

144. The method of claim 68, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

145. The method of claim 69, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

146. The method of claim 70, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

147. The method of claim 71, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

Petitioner Microsoft Corporation, Ex. 1002, p. 5772

148. The method of claim 72, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

149. The method of claim 73, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

150. The method of claim 74, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

151. The method of claim 75, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

152. The method of claim 76, further including the steps of:

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

Petitioner Microsoft Corporation, Ex. 1002, p. 5773

determining age of the user for said account.

153. The method of claim 2, further including the step of censoring responsive to said user identity.

154. The method of claim 153, using a web browser or auxiliary program to facilitate the communication.

155. The method of claim 2, using a web browser or auxiliary program to facilitate the communication.

156 154. The method of claim 3, further including the step of:

using a web browser or auxiliary program to facilitate the communication.

157 155. The method of claim 5, further including the step of:

communicating a user image in the communication.

158 154. The method of claim 23, further including the step of:

communicating a user image in the communication.

159 155. The method of claim 41, further including the step of:

communicating a user image in the communication.

160 156. The method of claim 59, further including the step of:

Petitioner Microsoft Corporation, Ex. 1002, p. 5774

communicating a user image in the communication.

156. The method of claim 5, further including the step of:

assigning tokens to respective user identities.

157. The method of claim 23, further including the step of:

assigning tokens to respective user identities.

158. The method of claim 41, further including the step of:

assigning tokens to respective user identities.

159. The method of claim 59, further including the step of:

assigning tokens to respective user identities.

160. A method for using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining, for each of a plurality of participator computers, a respective user identity from a controller computer over the Internet network, each said participator computer connected to an input device to receive input information from a respective user and to an output device;

programming the participator computers to enable communication, including a communication of sound, video, graphic, a URL, or a combination thereof, wherein said communication is controlled by said user identity;

connecting said participator computers to said Internet network;

Petitioner Microsoft Corporation, Ex. 1002, p. 5775

sending said communication from one of said computers; and

distributing, in accordance with the predefined rules, said communication in real time over the Internet network to at least one of said participator computers.

161. The method of claim 160, wherein said distributing is carried out without multiplexing and demultiplexing.

162. The method of claim 160, further including the step of

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

163. The method of claim 161, further including the step of

providing a screen from said controller computer to said participator computers, the screen soliciting registration for an account; and

determining age of the user for said account.

164. The method of claim 160, further including the step of forming a chat channel over the Internet network, and arbitrating channel communications between said participator computers at said controller computer.

165. The method of claim 160, further including the step of:

assigning tokens to respective user identities.

166. Said method of claim 160, wherein said step of programming is carried

Petitioner Microsoft Corporation, Ex. 1002, p. 5776

out with said communication including said sound.

172

167. Said method of claim 160, wherein said step of programming is carried out with said communication including said sound and said video.

173

167. Said method of claim 161, wherein said step of programming is carried out with said communication including said sound.

174

168. Said method of claim 161, wherein said step of programming is carried out with said communication including said sound and said video.

175

169. Said method of claim 162, wherein said step of programming is carried out with said communication including said sound.

176

170. Said method of claim 162, wherein said step of programming is carried out with said communication including said sound and said video.

177

171. Said method of claim 160, wherein said step of programming is carried out with said communication including said sound and further including text or ascii.

II FEE

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5777

III CONCLUSION

The application, as amended, is believed to be in condition for allowance, and favorable action is requested. The Examiner is invited to contact the undersigned at (312) 240-0824 if it can in any way expedite or ease the handling of this case. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: July 31, 2001

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5778

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: July 31, 2001

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

OIPE AUG 0 6 2001 PATENT & TRADEMARK OFFICE

PATENT

Paper No.

File: AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED AUG 0 8 2001 Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

S I R :

Please enter the following amendment and reconsider the application in view of the amendment set forth below.

I. Amendment

A. In the Claims

Please amend claim 1 as follows:

1. (Once Amended) [Computerized human communication] A method for using a computer system to arbitrat[ing]e and distribut[ing]e communication over the Internet, the method [system,] including the steps of:

connecting a [controller digital computer;

a] plurality of participator [digital] computers with a controller[, each said participator] computer through the Internet, [including an input device for receiving human-input information from a human user and an output device for presenting information to the user,] each said participator computer connected to an input device to receive input information from a respective user and to an output device, each said user having a user identity;

[a connection [internet] linking] programming the controller computer to control distributing the communication [which each of the participator computers];

programming the participator computers to enable receiving the communication;

[controller, software, running on the controller computer to] arbitrat[e]ing with the controller computer, in accordance with predefined rules including a test for an authenticated [said] user identity, to determine which one[s] of the participator computers can [interact in one of a plurality of groups through the controller computer and to distribute real time data to] receive the communication, including a communication of sound, video, a graphic, a URL, or a combination thereof [the respective ones of the groups]; and

distributing, in accordance with [participator software, running on each of] the predefined rules, [participator computers to handle a user interface permitting one said user to send a multimedia information message to] the communication in real time over [controller computer, which arbitrates which of the participator computers receive the multimedia information message and conveys] the Internet [multimedia information message] to the [selected] one of the participator computers [to present the multimedia information to the respective user].

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.

Petitioner Microsoft Corporation, Ex. 1002, p. 5780

The application, as amended, is believed to be in condition for allowance, and favorable action is requested. The Examiner is invited to contact the undersigned at (312) 240-0824 if it can in any way expedite or ease the handling of this case. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: _____

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

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5781

#7
T.D.
11/20/01

PTO/SB/26 (10-00)
Approved for use 10/31/2002. 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 displays a valid OMB control number.

OIPE JC18
AUG 0 6 2001
PATENT & TRADEMARK OFFICE

TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR PATENT

Docket Number (Optional)

OIPE JC18
AUG 0 6 2001
PATENT & TRADEMARK OFFICE

In re Application of: Daniel L. Marks
Application No.: 09/399,578
Filed: September 20, 1999
For: GROUP COMMUNICATIONS MULTIPLEXING SYSTEM

The owner*, Peter K. Trzyna, of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. 154 to 156 and 173, as presently shortened by any terminal disclaimer, of prior Patent No. 5,956,491. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 to 156 and 173 of the prior patent, as presently shortened by any terminal disclaimer, in the event that it later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. ☐ For submissions on behalf of an organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2. ☒ The undersigned is an attorney or agent of record.

Signature — Date: 7/31/01

Peter K. Trzyna
Typed or printed name

11/21/2001 TDADE1 00000003 500235 09399578
02 FC:148 110.00 CH

☐ Terminal disclaimer fee under 37 CFR 1.20(d) included.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner). Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

Date: July 31, 2001

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

OIPE JC183 AUG 0 6 2001 PATENT & TRADEMARK OFFICE

PATENT #6

Paper No. Revocation

File: AIS-P1-99 JJ Gayer 11/07

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2765
Examiner	:	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE
OF ENTIRE INTEREST (REVOCATION OF PRIOR POWERS)

SIR:

As assignee of record of the entire interest for the above-identified application, I hereby revoke all powers of attorneys previously given, including that Baker & Mekenzie, and I hereby appoint as attorney, with full powers of inspection, substitution, revocation, and power to appoint associate attorneys, Peter K. Trzyna (Reg. No. 32,601 and a member of the Illinois, New York, and Washington D.C. bars), to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith:

Address all correspondence to:

Peter K. Trzyna

Petitioner Microsoft Corporation, Ex. 1002, p. 5783

P.O. Box 7131
Chicago, Illinois 60680-7131

Address all tel phon calls to:

Peter K. Trzyna at

(312) 240-0824

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issued thereon.

Date: July 31, 2001

Peter K. Trzyna

Residence and Post Office Address: P.O. Box 7131
Chicago, IL 60680-7131

Citizenship: United States

Petitioner Microsoft Corporation, Ex. 1002, p. 5784

OIPE JC16
AUG 0 6 2001
PATENT & TRADEMARK OFFICE

PTO/SB/96 (08-00)
Approved for use through 10/31/2002. 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 displays a valid OMB control number.

#6

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Peter K. Trzyna

Application No./Patent No.: 09/399,578 Filed/Issue Date: September 20, 1999

Entitled: GROUP COMMUNICATIONS MULTIPLEXING SYSTEM

Peter K. Trzyna, Esq., an individual
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. [XX] the assignee of the entire right, title, and interest; or

2. [ ] an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____%

in the patent application/patent identified above by virtue of either:

A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From:_____To:_____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame_____, or for which a copy thereof is attached.

2. From:_____To:_____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame_____, or for which a copy thereof is attached.

3. From:_____To:_____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame_____, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy *(i.e.,* the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

July 31, 2001
Date

Peter K. Trzyna
Typed or printed name

Signature

Attorney/Assignee
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

OIPE JC
DEC 14 1999
PATENT & TRADEMARK OFFICE

GAU [redacted] #4
2757

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 the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

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

Date 9 Dec 1999

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	:	09/20/99
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2756
Examiner	:	

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Change of Attorney's Address in Application

SIR:

Please send all correspondence, and direct all telephone calls, for this application to the following:

Peter K. Trzyna, Esq.
P.O. Box 7131
Chicago, Illinois 60680-7131

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

Respectfully submitted,

Date: 9 Dec 1999

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

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

P. O. Box 7131
Chicago, Illinois 60680-7131

(312) 240-0824

Best Available Copy

jc688 U.S. PTO
09/20/99

"Express Mail" mailing label number EI872721622US
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date set forth below:

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

Date: 20 Sept 1999

PATENT

Paper No.

Our File No. AIS-P99-1

jc408 U.S. PTO
09/399578
09/20/99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	
Filed	:	
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	
Examiner	:	

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

TRANSMITAL LETTER

S I R :

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

1. Original Patent Application, including 41 pages of specification with at least one claim, plus 22 Sheets of Drawings, Figs.1-34, plus 3 sheets of microfiche appendix code;
2. Preliminary Amendment;
3. Declaration and Power of Attorney; and
4. Notice of Change of Address.

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: 20 Sept 1999

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

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

"Express Mail" mailing label number EI872721622US
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date set forth below:

Signed: _____
Peter K. Trzyna (Reg. No 32,601)

Date: 20 Sept 1999

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	
Filed	:	
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	
Examiner	:	

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

S I R :

In the above-referenced patent application, please enter the following amendment and consider the application as amended.

I. AMENDMENT

A. To The Specification

Amend the specification as set forth below.

At page 2, line 1, insert --a continuation of serial number 08/617,658 filed April 1, 1996--.

II. Remarks

Please enter the foregoing amendments and consider the application.

No new matter is believed to have been added.

The Commissioner is authorized to charge any fees associated with the above-identified patent application, or credit any overcharges, to Deposit Account No. 05-0235, and direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: 20 Sept 1999

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

P.O. Box 7131
Chicago, IL 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 5790

"Express Mail" mailing label number EI872721622US
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date set forth below:

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

Date: 20 Sept 1999

"Express Mail" mailing label number EI872721625US
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date set forth below.

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

Date: 20 Sept 1999

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	
Filed	:	
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	
Examiner	:	

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

ATTORNEYS CHANGE OF ADDRESS

S I R : In the above-identified patent application, please address all communications to:

Peter K. Trzyna
P.O. Box 7131
Chicago, IL 60680-7131

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

Respectfully submitted,

Date: 20 Sept 1999

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

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

EI872721622US

"Express Mail" mailing label number ~~EB884948888US~~ I, Peter K Trzyna (Reg No 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1 10 on the date indicated below and is addressed to the Commissioner of Patents and Trademarks, Washington, D C 20231 on April 1, 1996

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

Date 20 Sept 1999

PATENT

Paper No. 1

Our File No.

Group Communications Multiplexing System

Daniel L. Marks

I. FIELD OF INVENTION

This invention is 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.

II. BACKGROUND OF THE INVENTION

Multiplexing group communications among computers ranges from very simple to very complex communications systems. At a simple level, group communications among computers involves electronic mail sent in a one way transmission to all those in a group or subgroup using, say, a local area network. Arbitrating which computers receive electronic mail is a rather well understood undertaking.

On a more complex level, corporations may link remote offices to have a conference by computer. A central computer can control the multiplexing of what appears as an electronic equivalent to a discussion involving many individuals.

Even more complex is linking of computers to communicate in what has become known as a "chat room." Chat room communications can be mere text, such as that offered locally on a file server, or can involve graphics and certain multimedia capability, as exemplified by such Internet service providers as America On Line. Multiplexing in multimedia is more complex for this electronic environment.

On the Internet, "chat room" communications analogous to America On Line have not been developed, at least in part because Internet was structured for one-way communications analogous to electronic mail, rather than for real time group chat room communications. Further, unlike the an Internet service provider, which has control over both the hardware platform and the computer program running on the platform to create

Petitioner Microsoft Corporation, Ex. 1002, p. 5795

the "chat room", there is no particular control over the platform that would be encountered on the Internet. Therefore, development of multiplexing technology for such an environment has been minimal.

Even with an emergence of the World Wide Web, which does have certain graphical multimedia capability, sophisticated chat room communication multiplexing has been the domain of the Internet service providers. Users therefore have a choice between the limited audience of a particular Internet Service provider or the limited chat capability of the Internet.

III. SUMMARY OF THE INVENTION

It is an object of the present invention to overcome such limitations of the prior art and to advance and improve the technology of group computer multiplexing to enable better computerized group communications.

It is another object of the present invention to provide a computerized human communication arbitrating and distributing system.

It is yet another object of the present invention to provide a group communication multiplexing system involving a controller digital computer linked to a plurality of participator computers to organize communications by groups of the participator computers.

It is still another object of the present invention to link the controller computer and the plurality of computers with respective software coordinated to arbitrate multiplexing activities.

It is still a further object of the present invention to provide a chat capability suitable for handling graphical, textual, and multimedia information in a platform independent manner.

These and other objects and utilities of the invention, which apparent from the discussion herein, are addressed by a computerized human communication arbitrating

Petitioner Microsoft Corporation, Ex. 1002, p. 5796

and distributing system. The system includes a controller digital electrical computer and a plurality of participator digital computers, each of the participator computers including an input device for receiving human-input information and an output device for presenting information to a user having a user identity. A connection such as the Internet links the controller computer with each of the participator computers.

Controller software runs on the controller computer, programming the controller computer to arbitrate in accordance with predefined rules including said user identity, which ones of the participator computers can interact in one of a plurality of groups communicating through the controller computer and to distribute real time data to the respective ones of the groups.

Participator software runs on each of the participator computers to program each of the participator computers to operate a user interface. The user interface permits one of the users to send and/or receive a multimedia information message to the controller computer, which arbitrates which of the participator computers receives the multimedia information message. The controller computer also conveys the multimedia information message to the selected participator computers to present the multimedia information to the respective user.

Therefore, for a computer system involving a plurality of programmed participator computers running the participator computer program can interact through a programmed controller computer with the controller computer multiplexing the communications for groups formed from the plurality, as well as arbitrating communications behavior.

IV. BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a depiction of hardware suitable for performing the present invention;

FIG. 2 is a communications overview of the present invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5797

FIG. 3 is a data and communications dependency diagram for the controller group channel structure of the present invention.

FIG. 4 is a flow chart of the central controller loop communications for the controller computer.

FIG. 5 is a client channel data structure and information flow diagram of the present invention.

FIG. 6 is a participator software out-of-band multimedia information flow diagram of the present invention.

FIG. 7 is an illustration of a login/password screen of the present invention.

FIG. 8 is an illustration of a confirmation screen of the present invention.

FIG. 9 is an illustration of a channel list area screen of the present invention.

FIG. 10 is an illustration of a New Channel option pull-down menu screen of the present invention.

FIG. 11 is an illustration of a member on a new channel screen of the present invention.

FIG. 12 is an illustration of a second member on the new channel screen of the present invention.

FIG. 13 is an illustration of a communication on the new channel screen of the present invention.

FIG. 14 is an illustration of a private message window on the new channel screen of the present invention.

FIG. 15 is an illustration of a private message displayed on the private message window on the new channel screen of the present invention.

FIG. 16 is a further illustration of the private message on the private message window on new channel screen of the present invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5798

FIG. 17 is an illustration of an attribute revocation on the new channel screen of the present invention.

FIG. 18 is a further illustration of the new channel screen of the present invention.

FIG. 19 is an illustration of the channel list window screen of the present invention.

FIG. 20 is an illustration of the toggle posting option on a screen of the present invention.

FIG. 21 is an illustration of a moderated version of the new channel screen of the present invention.

FIG. 22 is an illustration of a communication on a moderation window screen of the present invention.

FIG. 23 is an illustration of the communication passed on to the moderated version of the new channel screen of the present invention.

FIG. 24 is an illustration of a communication, for sending a graphical multimedia message, on to the moderated version of the new channel screen of the present invention

FIG. 25 is an illustration of a communication, for passing a URL (Uniform Resource Locator) to channel members, on a moderator pull-down menu screen of the present invention.

FIG. 25 is an illustration, showing the name of the URL, on a moderated version of the new channel screen of the present invention.

FIG. 26 is an illustration of data associated with the graphical multimedia message on a moderated version of the new channel screen of the present invention.

FIG. 27 is an illustration of a proprietary editor, suitable for a dialog to change tokens, on a screen of the present invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5799

FIG. 28 is an illustration of a text-based interface login/password screen of the present invention.

FIG. 29 is an illustration of a text-based interface group screen of the present invention.

FIG. 30 is another illustration of a text-based interface group screen of the present invention.

FIG. 31 is another illustration of a text-based interface group screen of the present invention.

FIG. 32 is an illustration of a text-based interface private message screen of the present invention.

FIG. 33 is another illustration of a text-based interface private message screen of the present invention.

FIG. 34 is another illustration of a text-based interface group with moderator screen of the present invention.

V. DETAILED DESCRIPTION OF THE DRAWINGS

In providing a detailed description of a preferred embodiment of the present invention, reference is made to an appendix hereto, including the following items.

Appendix Contents

ALLUSER C
ALLUSER H
CHANNEL C
CHANNEL H
CHANNEL HLP
CLIST C
CLIST H
CLIST HLP
EDITUSER C
EDITUSER H
ENTRYFRM C
ENTRYFRM H
ENTRYFRM HLP
HELP C

Petitioner Microsoft Corporation, Ex. 1002, p. 5800

HELP H
HELPSCR C
HELPSCR H
LINEEDIT C
LINEEDIT H
LIST C
LIST H
LOGIN HLP
MAIN C
MAKEFILE
MESSAGE C
MESSAGE H
MODERAT HLP
PRIVATE C
PRIVATE H
PRIVATE HLP
SOCKIO C
SOCKIO H
STR C
STR H
UCCLIENT
USER C
USER H
WINDOW C
WINDOW H

Note that the appendix includes code for two different embodiments: a Tellnet embodiment and a JAVA embodiment. Documentation and error messages, help files, log files, are also included in the appendix. While platform controlled embodiments are within the scope of the invention, it is particularly advantageous to have a platform independent embodiment, i.e., an embodiment that is byte code compiled.

Referring now to FIG. 1, the overall functioning of a computerized human communication arbitrating and distributing System 1 of the present invention is shown with odd numbers designating hardware or programmed hardware, and even numbers designating computer program logic and data flow. The System 1 includes a digital Controller Computer 3, such as an Internet service provider-type computer. The Controller Computer 3 is operating with an operating system.

System 1 also includes a plurality of digital Participator Computers 5, each of which may be an IBM-compatible personal computer with a processor and a DOS operating system. Each of the Participator Computers 5 includes an Input Device 7 for

Petitioner Microsoft Corporation, Ex. 1002, p. 5801

receiving human-input information from a respective human user. The Input Device 7 can be, for example, a keyboard, mouse or the like. Each of the Participator Computers 5 also includes an Output Device 9 for presenting information to the respective user The Output Device 9 can be a monitor, printer (such as a dot-matrix or laser printer), or preferably both are used. Each of the Participator Computers 5 also includes a Memory 11, such as a disk storage means.

The System 1 includes a Connection 13 located between, so as to link, the Controller Computer 3 with each of the Participator Computers 5. The Connection 13 can be an Internet or more particularly, a World Wide Web connection.

The Controller Computer 3 is running and under the control of Controller Software 2, which directs the Controller Computer 3 to arbitrate in accordance with predefined rules including a user identity, which ones of the Participator Computers 5 can interact in one of a plurality of groups through the Controller Computer 3 and to distribute real time data to the respective ones of the groups.

The Participator Computers 5 are each running and under the control of Participator Software 4, which directs each of the Participator Computers 5 to handle a user Interface 6 permitting one said user to send a multimedia information Message 8 to the Controller Computer 3, which arbitrates which of the Participator Computers 5 receives the multimedia information Message 8 and which conveys the multimedia information Message 8 to the selected participator computers 5 to present the multimedia information Message 8 to the respective user.

The present invention comprehends communicating all electrically communicable multimedia information as Message 8, by such means as pointers, for example, URLs. URLs can point to pre-stored audio and video communications, which the Controller Computer 3 can fetch and communicate to the Participator Computers 5.

Turning now to FIG. 2, there is shown a communications overview of the present invention. Beginning with the Controller Computer Software 2, reference is made

Petitioner Microsoft Corporation, Ex. 1002, p. 5802

to Block 10, which illustrates demultiplexing and multiplexing operations carried out by message type on API messages of all types. Block 10 links to Block 12, which is illustrative of channel A.... Block 10 also links to Block 14, which illustrates handling private message A. Block 10 also links to Block 16, illustrative of handling out-of-band media. Block 10 additionally links to Block 18, which illustrates asynchronous status messages.

Multiple connections between the controller computer 3 and a plurality of participator computers 5 permit communication implemented via the interplay of controller software 2 and participator software 4. With particular regard to the participator software 4 illustrated in FIG. 2, Block 20 is illustrative of demultiplexing and multiplexing operations carried out by message type on API messages of all types. Block 20 links to Block 22, which is illustrative of channel A.... Block 20 also links to Block 24, which illustrates handling private message A. Block 20 also links to Block 26, illustrative of handling out-of-band media via Block 28, which is illustrative of a Web browser or auxiliary computer program. Block 20 also links to Block 30, which illustrates asynchronous status message handling via Block 32, illustrative of user interface objects windows and screens.

De/multiplexing via API provides a "virtual connection" between Channel, Private Message, and Multimedia objects in the controller computer 3 and each participator computer 5. An alternate architecture is to allow for a separate connection between each object so that multiplexing/demultiplexing is not necessary and each object handles its own connection. This would influence system performance, however.

Turning now to FIG. 3, a data and communications dependency diagram controller group channel structure is illustrated. Beginning from what is designated as a portion of Block 10 the logic flows to Block 34 to consider JOIN, LEAVE, STATUS, SETCHAN API instructions. Block 34 examines member list maintenance instructions, accessing Block 36 to check permissions, list users, and change attributes. Note the

Petitioner Microsoft Corporation, Ex. 1002, p. 5803

exploded window 38 shows a display of member information including a user's name, personal information, and attributes/properties/permissions (operations involving the subsequently discussed tokens), i.e., stored per channel attributes under each member. In any case, confirmation or denial of access is communicated via Block 40 for multiplexing return of status messages to a target object.

From the portion of Block 10, the logic flows to Block 42 for MESSAGE and MODMSG API instructions. Block 42 tests which of the two instructions were received, and for MODMSG, the logic flows to Block 44, which tests whether the user is a moderator. If the user is not a moderator, the logic flows to Block 46, which sends a denial message through Block 40. If, however, the in Block 44 the user is a moderator, the logic flows to Block 48 for a repeat to all list members who are permitted to see the message, via Block 40.

Returning to Block 42, if MESSAGE is detected, the logic flows to Block 50, which tests whether a user has post permission. If the user has post permission, the logic flows to Block 48, etc. If the user does not have post permission, the logic flows to Block 52 to forward the message to moderators for approval, via Block 40.

Additionally, the logic flows from Block 10 to Block 54 for a URL API instruction. Block 54 tests whether the user has graphical multimedia communication privileges, and if not, the logic flows via Block 56, which sends a denial message via Block 40. Otherwise, if the user does have graphical multimedia communications privileges in Block 54, Block 58 sends graphical multimedia information to all approved users via Block 40.

Turning now to FIG. 4, central controller loop communications is illustrated. For the data on central poll point 58 (see Appendix POLL_POINT), a "do" loop begins at Block 60 for each connection. Block 62 tests whether bytes are available on the data stream. If they are, the bytes are added to user space FIFO per connection at Block 64, leading to Block 66, which tests whether there are any more connections. Note

Petitioner Microsoft Corporation, Ex. 1002, p. 5804

that in FIG. 4, if there are no more bytes available in Block 62, the logic skips to Block 66, and if Block 66 is not finished with all connections, the loop returns to Block 62 When all connections have been completed in Block 62, the logic flows to Block 68, which looks for an available complete data instruction for any connection by extracting packets byte-wise from the FIFO. Thereafter, Block 70 tests whether there is a complete response available from the participator computer. If the response is complete, the logic flows to Block 72 which, using a command type, demultiplexes into an appropriate object (output FIFOs may be filled here for any connection). The logic from Block 72 joins the "no" branch from Block 70 at Block 74, which enables unblocking for writing connections for only connections with data available to write, looping back to Block 58.

FIG. 5 shows a client channel data structure and information flow diagram. From a message that is demultiplexed by message type, there are six possibilities: ERROR MESSAGE, MESSAGE, STATUS, JOINCHANNEL, LEAVECHANNEL, and MODMSG. ERROR MESSAGE is communicated to Block 76, where the error message is displayed to the transcript in the transcript area of Block 80. MESSAGE is communicated to Block 78 where the message is immediately added to the transcript in transcript area 78. STATUS is communicated to Block 82 to update user data structure; JOINCHANNEL is communicated to Block 84 to remove a user from the member list and display the change; and LEAVECHANNEL is communicated to Block 86. From Block 82, Block 84, and Block 88, the logic flows to Block 88, which includes a member list, a member identifier, known attributes / permissions / properties, and personal information. From Block 88, the logic proceeds to Block 90, a member list area, and on to Block 92 to compose a request to change a member attribute. This "SETCHAN request is then communicated to Block 94, which is the multiplexer leading to the controller computer connection.

Petitioner Microsoft Corporation, Ex. 1002, p. 5805

MODMSG is communicated to Block 96, which sends the message to the moderation area of Block 98, and then to Block 100 to resubmit a member message as approved, thereby conveying a MODMSG request to Block 94.

Note that a response is prepared in the response area of Block 102. If the response is a standard message, it is conveyed to Block 104 to compose the response into a controller message, thereby sending a MESSAGE request to box 94. If, however, the message is a graphical information submission, the logic flows from Block 102 to Block 106 to compose the graphical information submission into a controller message, thereby sending a URL request to Block 94.

FIG. 6 is a participator software out-of-band multimedia information flow diagram, which begins with Block 26, the multimedia type patch point. Block 26 leads to Block 102, which tests whether there is an internally handlable multimedia type. If not, Block 104 looks up a suitable agent for data type presentation, which leads to Block 106, which tests whether an agent was found. If not, Block 108 reports location of data to the user for future referencing. If the agent is found in Block 106, the logic flows to Block 110, which invokes the agent with a data reference to present the data.

If the multimedia type is internally handlable from Block 102, the logic flows to Block 112, which tests whether this is a member associated image. If it is a member associated image, Block 114 displays the image next to member identity information, and if it is not, the logic flows to Block 116, which tests if this is a member public data reference (e.g., a URL). If a URL is detected at Block 116, Block 118 invokes an external data type viewer only on demand of the operator of the participator software, and otherwise Block 120 stores the reference for future use by the operator of the participator software, or treats the reference as an externally handled multimedia type (at the user's option).

With further regard to the manner of interaction between the controller computer 3 and the participator computers 5, and their respective computer programs 2

Petitioner Microsoft Corporation, Ex. 1002, p. 5806

and 4, includes a moderation capability that is controlled, or arbitrated, pursuant to system 1 recognizing user identity. Note that using the user identity for moderation purposes is a use additional to the use of the user identity for security purposes.

One embodiment of the present invention is to bring chat capability to the internet and World Wide Web. However, another embodiment involves non-internet relay chat. In either embodiment, System 1 is state driven such that synchronous and asynchronous messages can be communicated. For an asynchronous notification, each message is sent through the system 1 (API), which updates the information on the output device of the participator computers 5. For a synchronous notification, a participator computer 5 must interrogate the system 1 for a message.

With regard to the arbitrating of the controller computer 3 is directed by the controller computer program 2 to use "identity tokens", which are pieces of information associated with user identity. The pieces of information are stored in memory 11 in a control computer database, along with personal information about the user, such as the user's age. The control computer database serves as a repository of tokens for other programs to access, thereby affording information to otherwise independent computer systems. In the database, the storage of tokens can be by user, group, and content, and distribution controls can also be placed on the user's tokens as well as the database.

Each token is used to control the ability of a user to gain access to other tokens in a token hierarchy arbitration process. The arbitration also includes controlling a user's ability to moderate communications involving a group or subgroup of the participator computers 5. Once in a group, temporary tokens are assigned for priority to moderate/submoderate groups (a group is sometimes known as a channel in multiplexing terminology).

Accordingly, tokens are used by the controller computer 5 to control a user's group priority and moderation privileges, as well as controlling who joins the

Petitioner Microsoft Corporation, Ex. 1002, p. 5807

group, who leaves the group, and the visibility of members in the group Visibility refers to whether a user is allowed to know another user is in the chat group.

Tokens are also used to permit a user's control of identity, and in priority contests between 2 users, for example, a challenge as to whether a first user can see a second user.

Censorship, which broadly encompasses control of what is said in a group, is also arbitrated by means of the tokens. Censorship can control of access to system 1 by identity of the user, which is associated with the user's tokens. By checking the tokens, a user's access can be controlled per group, as well as in giving group priority, moderation privileges, etc.

Censorship also can use the tokens for real time control of data (ascii, text, video, audio) from and to users, as well as control over multimedia URLs - quantity, type, and subject.

With regard to controlling communications in a group (which is in essence a collection of user identities), control extends to seeing messages, seeing the user, regulating the size of the communication, as well as the ability to see and write to a specific user. Control further extends to the ability to send multimedia messages.

Note that tokens for members in group can involve multiples formed in real time, say, within the span of a conversation. For example, for private communication, tokens are immediately formed to define a group of 2 users. Hierarchical groups within groups can also be formed, with each inheriting the properties of the group before it. Thus, a subgroup can include up to all members or more by adding any surplus to the former group.

With further regard to the controller computer 3, e.g., a server, information is controlled for distribution to the user interfaces at selected ones of the participator computers 5. The controller computer program, in one embodiment, can be a resident program interface (such as a JAVA application). There can be a token editor object

Petitioner Microsoft Corporation, Ex. 1002, p. 5808

(window/tear down, etc.) per group, private communication, user, channel listings, user listings, etc. Each can link up in a token hierarchy for arbitration control.

The controller computer 5, by means of the controller computer program 2, keeps track of states and asynchronous messages as well as generating a synchronous message as a user logs in or interrogates system 1.

With regard to multimedia information messages 8, such messages are of independent data types, e.g., audio/video data types. The content of the message (e.g., a URL) permits the System 1 to automatically determine the handling of the message: either the Controller Computer 3 passes the content of Message 8 directly, or the Controller Computer 3 determines from the Message 8 how to find the content, say via Netscape. Accordingly, Message 8 can communicate video and sound (or other multimedia, e.g., a URL) to users, subject only to the server arbitration controls over what can be sent.

Turning now to an illustration of using the invention, the session starts with verifying the user's identity (at FIG. 7). The login/password screen is shown, and the user enters his/her assigned login/password combination and clicks the "Login To Chat" button. If the password was entered correctly, a confirmation box appears on the screen

Then the channel list area is shown at FIG. 8. The Channel List area is a window which shows a list of all of the groups currently on the server in active communication. Because no one is yet connected in this example, there are no groups currently available on the screen.

To create a new group, the "New Channel" option is selected from a pull-down menu (at FIG. 9). The name of the channel is entered by the input device 7.

If the user has permission (this one does), a new channel is created for the group (at FIG. 10). The window that displays the channel area has three regions: the bottom region, where responses are entered; the largest region, where a transcript of the communication is followed; and the rightmost region, which lists the group's current

Petitioner Microsoft Corporation, Ex. 1002, p. 5809

members. This list is continuously updated with asynchronously generated status messages received immediately when a new member joins the group. Only "DMARKS" is currently in this group. The "MWU" is the properties currently associated with DMARKS - the ability to moderate, write to the channel, and send multimedia messages.

A new member has joined the channel, and the member list status area is updated right away (at FIG. 11). This new member has a login of "ME."

The user DMARKS now types "hello there" into the response area and presses RETURN (at FIG. 12). This message is passed to the controller computer 5, which sends the message to all channel members, i.e., those using participator computers 5, including DMARKS.

The user ME now sends a message to the controller: "hi there" (at FIG. 13). This message is also sent to all members by the controller computer 5. Now user DMARKS clicks (using input device 7, a mouse) on the name of the user "ME" in the member list window. The participator software 4 will now create a private message window, so that the users ME and DMARKS can exchange private messages. Private messages are only sent to the intended recipient by the controller, and no one else.

A private message window appears in response to DMARKS's request to open private communications with ME (at FIG. 14). Now DMARKS types a message into the private message window's response area to ME: "this message is seen only by the user ME." When complete, the participator software 4 will forward this message to the controller computer 3.

In response, the user ME has entered "This is the private message response that is only seen by the user DMARKS," which has been forwarded to user DMARKS (at FIG. 15). This message is displayed immediately on DMARKS's window.

DMARKS now returns to the channel window for the group "TESTCHANNEL" (at FIG. 16). To modify the permission attributes associated with user ME on the channel TEST CHANNEL, DMARKS (who is a moderator of the

Petitioner Microsoft Corporation, Ex. 1002, p. 5810

channel), clicks on the user ME in the member list to select ME, pulls down the Moderator menu, and selects "Toggle Moderator." This removes the moderator privileges from ME.

As a result of the attribute revocation, the "M" has disappeared from next to ME's name in the member list (at FIG. 17), indicating that the property is no longer associated with the user ME.

Now DMARKS returns to the Channel List window (at FIG. 18). DMARKS wishes to fully moderate the contents of the channel TESTCHANNEL, censoring all unwanted communications to the channel. DMARKS returns to the channel list, and selects the channel TESTCHANNEL by clicking on its name in the channel list.

Now DMARKS selects the "Toggle All Posting" option in the Maintenance pull-down menu (at FIG. 19). This will turn off the channel property "posting," (or sending communications to the channel without moderator approval) which will be indicated by the removal of the letter "P" from next to the name TESTCHANNEL (at FIG. 20).

Now the letter "P" is removed from after the name TESTCHANNEL in the Channel List window (at FIG. 21), indicating that this channel is now moderated and will only have free posting ability by designated members.

Now, type user ME (who is also on channel TESTCHANNEL) wishes to send communications: "this will not be written directly to the channel" (at FIG. 22). The controller, instead of sending it immediately to the channel to be seen by all members, will instead forward the message to the moderators for approval. The moderator, DMARKS, will then see the message on the Moderation Window, which provides a preview of any messages to be sent. To approve a message for general viewing, DMARKS now clicks on the message.

Now that DMARKS has clicked directly on the message, it is displayed inside the group's Channel window for all members to see (at FIG. 23).

Petitioner Microsoft Corporation, Ex. 1002, p. 5811

DMARKS now wishes to send a graphical multimedia message. This implementation sends graphical multimedia images by allowing a channel member to specify an Internet URL of a graphical multimedia resource to be presented to the group members. In this example, DMARKS wishes to send the URL "http://www.ais.net" (corresponding to the World Wide Web home page of American Information Systems, Inc.) to the channel members. DMARKS enters the URL into the response window, and selects "Send URL" from the Moderator pull-down menu (at FIG. 24).

The controller computer 5 now passes the URL to the channel members. This participator software 4 performs two actions in response to the graphical multimedia display request. The first is to put the name of the URL onto the transcript of the group's channel, so that it can be read by group members. The second response is to have the participator software show the data associated with the graphical multimedia message in a human interpretable way (at FIG. 25). To do this, the participator software 6 either uses built in rules to decide how the graphical multimedia data is to be presented, or locates another program suitable to present the data. In this case, the software 6 is utilizing Netscape Navigator™, a program for displaying graphical multimedia documents specified by a URL (at FIG. 26). Inside the Navigator window, the graphical multimedia content, the home page of AIS, is shown.

Finally, DMARKS wishes to manually modify the attribute tokens associated with the user (at FIG. 27). The user invokes the Property Editor dialog, which allows the user to view and change the tokens associated with a user. A property of a given user is determined by the Identifier and Property names. An old value of the property is shown, and a token value can be changed in the "New Value" field. With this property editor, a user with sufficient permissions (tokens) can change any of the tokens or security parameters of any user, or a user's ability to change security parameters can be restricted.

Petitioner Microsoft Corporation, Ex. 1002, p. 5812

To start with an alternate embodiment using a text-based interface, a user is presented by the login/password screen (at FIG. 28). This screen is where a user enters the information that proves his/her identity. The user must now enter his/her login and password to identify themselves.

After the user has been identified by the controller the Channel List screen appears (at FIG. 29). The names of channels and their associated properties are shown on this screen. By using the arrow keys and highlighting the desired channel, ME may enter any publicly joinable group. Currently, there is only one group TESTCHANNEL, which ME will join.

Now the screen for the channel TESTCHANNEL appears (at FIG. 29). The screen is split into four regions. The bottom left region is the response line, where messages users wish to enter appear. The upper left region is the transcript area where the communications of the group's channel appear as they occur. The upper right region is the Member List region, where a continuously updated list of members' names appear, with their attributes.

A message appears in the transcript area. The controller has forwarded a message to the group from DMARKS, "hello there" (at FIG. 31), which is seen by all members of the group, including ME. Now ME will respond, by entering "hi there" into the response area.

When ME is finished entering his response, the participator software forwards the response to the controller, which sends it to the members of the channel. In the transcript area, the participator software notifies the user that it has received a private message from DMARKS, which is waiting inside the private message screen. To see the private message, ME presses the private message screen hot key.

A private message screen appears (at FIG. 32), and the private message from DMARKS is at the bottom of the transcript area. Now to reply, ME types his response into the response area.

Petitioner Microsoft Corporation, Ex. 1002, p. 5813

Now ME will return to the screen for the channel TESTCHANNEL. The member list area has changed because DMARKS has revoked ME's moderator permission. ME is no longer permitted to see the permissions of other users, so this information has been removed from his display (at FIG. 33). The only information he can see now is who is moderator (at FIG. 34). A "*" next to the identifier of a member of the group indicates the member is a moderator of the group. ME is no longer a moderator, and therefore a "*" does not appear the identifier ME.

To furthere exemplify the use of the present invention, the following is a transcript of communications produced in accordance herewith.

POWERQUALITY JOHNMUNG: unclear about meaning of "first contingency"

POWERQUALITY SAM: mike, that is correct on IEEE 519

POWERQUALITY SKLEIN: In assessing network security (against outage) the first contingencies are tested to see how the power system should be reconfigured to avoid getting a second contingency and cascading into an outage.

POWERQUALITY MSTEARS: These outages point out the need for reliability as part of the overall customer picture of PQ

POWERQUALITY BRIAN: Hi Jennifer, hit crt-p for private messagae

POWERQUALITY SKLEIN: In simpler terms, a single point failure shouldn't crash the system.

POWERQUALITY SKLEIN: Are we all chatted out?

POWERQUALITY ANDYV: brian, johnmung has been banned!!! why?

POWERQUALITY BRIAN: no way, new subject

POWERQUALITY BRIAN: just a sec, andy

POWERQUALITY BRIAN: No banning on this channel, John is back on

POWERQUALITY TKEY: ieee 519 limits the harmonic current a customer can inject back into the pcc and limit the vthd the the utility provides at the PCC

Petitioner Microsoft Corporation, Ex. 1002, p. 5814

POWERQUALITY JOHNMUNG: thanks guys, for unbanning me- i've been thrown out of better places than this!

POWERQUALITY BRIAN: New subject...now...

POWERQUALITY BRIAN: good one john.... :)

POWERQUALITY MSTEARS: For critical facilities dual feeds or other backup capability need to be economically evaluated to keep the facility in operation

POWERQUALITY SAM: John, I remember that club very well

POWERQUALITY JOHNMUNG: question: please comment on frequency of complaints involving spikes, sags or harmonics

POWERQUALITY WARD: Problems caused by sags is the main complaint.

POWERQUALITY BRIAN: What subject does anyone want to see the next chat

POWERQUALITY WARD: Surges is probably next; harmonics really don't cause that many problems, although they are certainly there.

POWERQUALITY ANDYV: what is the solution ward?

POWERQUALITY TKEY: Agree they are the most frequent (sags) and the panel sesion on the cost of voltage sags at PES drew 110 people

POWERQUALITY SAM: harmonics tend to be an interior problem within a facility,rather than on the distribution system

POWERQUALITY WARD: The best solution is making the equipment less susceptible to sags. This requires working with the manufacturers.

POWERQUALITY ANDYV: won't that cost more

POWERQUALITY MSTEARS: The complaint of surges covers many things in the customers eyes sags have become a real problem because they are harder to resolve

POWERQUALITY GRAVELY: John-The latest EPRI results confirms the 90+ % of the time SGS are the problem and short term ones.

POWERQUALITY WINDSONG: What is the topic for the 25??

Petitioner Microsoft Corporation, Ex. 1002, p. 5815

POWERQUALITY WARD: Each problem can be dealt with as it occurs, but the time involved gets very expensive.

POWERQUALITY JOHNMUNG: making equipment less susceptible causes legal problems for manufacturers- as each improvemnt can be cited by compinant as example of malfeasance

POWERQUALITY WARD: AndyV: The cost to the manufacturer increases. The overall cost to everyone involved decreases.

POWERQUALITY TKEY: customer pays any way you cut it, if the eqpt is more immune customers pay only once instead of every time the process fails

POWERQUALITY BRIAN: The topic is regarding Power Quality

POWERQUALITY BRIAN: This chat is available for everyone 24 hours a day

POWERQUALITY ANDYV: ddorr> >will the manufacturer spend more to produce a better product

POWERQUALITY WARD: And as Tom says, the cost to the customer is far less.

POWERQUALITY BRIAN: This chat will be functioning 24 hrs/day

POWERQUALITY BRIAN: please usae it

POWERQUALITY BRIAN: The next panel discussion is Nov 15th

POWERQUALITY WARD: Andy, that's where standards come in.

POWERQUALITY SKLEIN: Is the customer capable of resolving the fingerpointing among the manufacturers and utilities?

POWERQUALITY DDORR: andy, only if the end userss create a market for pq compatible eqpt by demanding better products

POWERQUALITY MSTEARS: The manufacturers problems in including fixes is being competative with some who doesn't provide the fix

POWERQUALITY ANDYV: how will we educate the general consumer?

POWERQUALITY GRAVELY: Is it possible to have a basic theme topic or some core questions for 15 Nov chat?

Petitioner Microsoft Corporation, Ex. 1002, p. 5816

POWERQUALITY WARD: Stan, the customer cannot be expected to resolve the fingerpointing. The manufacturers and utilities need to work together.

POWERQUALITY ANDYV: about power quality and reliability?

POWERQUALITY SKLEIN: If electric power is going to be treated as a fungible commodity, there has to be a definition. Like, everyone knows what number 2 heating oil is.

POWERQUALITY SAM: Ideally a manufacturer would not be able to compete if they don't add the protective function in their products, but alot more public education is required before we get to this point.

POWERQUALITY WARD: Andy, there are many ways to educate the customers, but they require a lot of contact between the utility and the customers. The Western Resources Power Technology Center in Wichita is doing it, just as an example.

POWERQUALITY DDORR: standard power vs premium power is one solution as is std qpt vs Pq compatible eqpt

POWERQUALITY SKLEIN: I want to buy number 2 electric power and to be able to check the nameplates of my appliances to be sure they can take it. Just like I buy regular gasoline.

POWERQUALITY MSTEARS: Sam - I agree, that is partly the utilities responsibilitysince we serve the customers

POWERQUALITY BBOYER: What differentiates number 2 from number 1?

POWERQUALITY SKLEIN: I used the analogy of number 2 heating oil. I don't know what number 1 heating oil is.

POWERQUALITY DDORR: Number two has cap switching and all the normal utility operational events while number one is much better

POWERQUALITY SKLEIN: Perhaps we can just say regular vs high test.

Petitioner Microsoft Corporation, Ex. 1002, p. 5817

POWERQUALITY SAM: mike, yes a joint effort between the utiliy, manufacturer and standards juristictions is a goal for utilicorp as we move forward with offering from our strategic marketing partners, and bring PQ technologies to the public

POWERQUALITY TKEY: We are finding that many mfgrs want to produce pq compatible equipment, but they have no clue as to what to test for

POWERQUALITY ANDYV: Tom> >will the IEC standards help?

POWERQUALITY TKEY: Its up to the utility to help define normal events IEC will take time

POWERQUALITY SKLEIN: You can't have a commodity product with all the variation in specifications we have been discussing. It has to be regular, premium, and super premium or it won't work.

POWERQUALITY JOHNMUNG: Tom as a former manufacturer i sympathize--your work at PEAC is invaluable but anecdotal knowledge from utility people on the firing line is equally important

POWERQUALITY TKEY: Super premium, does that mean a UPS?

POWERQUALITY ANDYV: how do you stop a facility from affecting you super-premium power?

POWERQUALITY TKEY: John, Good Point

POWERQUALITY SAM: Tkey, a ups, local generation or redundant service

POWERQUALITY SKLEIN: This is what I meant earlier by electricity being a non-virtualizable service. You can't make each customer see the power system as though they had their own dedicated generating plant.

POWERQUALITY BRIAN: THE CHAT CHANNEL WILL BE OPEN 24/HRS/DAY 7 DAYS A WEEK

POWERQUALITY TKEY: I must sign out for about 5 minutes but I'll be back

POWERQUALITY BRIAN: OK TOM

Petitioner Microsoft Corporation, Ex. 1002, p. 5818

POWERQUALITY MSTEARS: PQ for facilities need to be done with a system perspective to to get the right resolution

POWERQUALITY BBOYER: Andy's question is still relevant - how do stop a facility from downgrading utility service to other customers?

POWERQUALITY BRIAN: MIKE> >LETS SWITCH BACK TO RETAIL WHEELING

POWERQUALITY WARD: You work with that customer to do whatever is needed to correct their disturbances.

POWERQUALITY BBOYER: Be more specific

POWERQUALITY MSTEARS: Interaction between facilites can be evaluated and designed for

POWERQUALITY JOHNMUNG: as a key to hardening it helps to identify the most sensitive circuits, i.e. microprocessor logic, test for vulnerability under common surges, sags, rfi, and then notify users that their equipment contains these subsystems- for a start

POWERQUALITY BRIAN: hI DOUG

POWERQUALITY GRAVELY: Brian: Are you saving this session as a file? Can we get a list of chat session participants?

POWERQUALITY BRIAN: s, we may

POWERQUALITY DMARKS: gravely: hit TAB and use the arrow keys to page through the list of participants

POWERQUALITY SKLEIN: Will the session be available for downloading?

POWERQUALITY BRIAN: yes, Mike we will publish in PQ Magazine

POWERQUALITY WARD: Part of the agreement for high quality power should be that the customer receiving the power will not disturb the utility system.

POWERQUALITY BRIAN: if john let's us.....

POWERQUALITY GRAVELY: I tried that, however, netcruiser has a software problem and I cannot see all of the names.

Petitioner Microsoft Corporation, Ex. 1002, p. 5819

POWERQUALITY SAM: most utilities rules and regulations already require that a customer not put anything back out on the utility system

POWERQUALITY BRIAN: MIKE G. > > WE WILL PUBLISH THIS IN PQ MAG NEXT MONTH IF ASNDY LETS US

POWERQUALITY BRIAN: HOW ABOUT IT ANDY?

POWERQUALITY ANDYV: ok

POWERQUALITY BRIAN: COOL

POWERQUALITY WARD: Standards will have to be set for what constitutes a disturbance, and then the utility should work with customers, install filters, etc , to be sure they stay within the rules.

POWERQUALITY BRIAN: THANKS ANDY

POWERQUALITY ANDYV: a meeting review or a sumary of events

POWERQUALITY GRAVELY: It would be good to take a few minutes to recommend how the 15 Nov session could be more effective.

POWERQUALITY BRIAN: A SYNAPSE OF THIS CHAT WILL BE IN NEXT MONTHS PQ MAG

POWERQUALITY WINDSONG:

POWERQUALITY SKLEIN: I don't get PQ mag. Will it be on the Net?

POWERQUALITY BRIAN: STAN SIGN UP FOR IT ON OUR HOME PAGE

POWERQUALITY DOUGC: the transcript of this conference will be available on the EnergyOne pages.

POWERQUALITY BRIAN: YOU CAN SIGN UP ON LINE

POWERQUALITY BRIAN: HTTP://WWW.UTILICORP.COM

POWERQUALITY WINDSONG: Good comment Gravely Comments from the users would be greatly appreciated!!

POWERQUALITY SAM: PQ magazine is available online on the UCU internet bulletin board, http://www.utilicorp.com

Petitioner Microsoft Corporation, Ex. 1002, p. 5820

POWERQUALITY ANDYV: or link from powerquality.com

POWERQUALITY BRIAN: YOU CAN GET A FREE MAG SUBSCRIPTION FROM UTILICORP'S HOME PAGE

POWERQUALITY SKLEIN: Thanks

POWERQUALITY BRIAN: ALSO, THERE IS A PQ FORUM ON OUR HOME PAGE

POWERQUALITY JOHNMUNG: for nov 15 shall we pick five key topics? suggest health care, energy storage rfi/emc as a few topics--also new gas turbine 25 kw generator just announce today-- just some suggestions

POWERQUALITY BRIAN: GOOD SUGGESTION JOHN

POWERQUALITY ANDYV: lets develop an outline of topics for next time.

POWERQUALITY BRIAN: OK

POWERQUALITY GRAVELY: One suggestion for 15 Nov--Have participants place a list of desired topics on your other chat box and prioritize by interest level.

POWERQUALITY SKLEIN: How about deregulation and retail wheeling.

POWERQUALITY BRIAN: COMMENTS SHOULD BE SENT TO ME BY EMAIL

POWERQUALITY BRIAN: BSPENCER@UTILICORP.COM

POWERQUALITY BRIAN: 15 minutes remaining

POWERQUALITY ANDYZYREK: Let's discuss the new standard IEEE 1159.

POWERQUALITY ANDYV: may be we could generate an online questionaire to see what people are needing discussed.

POWERQUALITY BRIAN: but the chat is available for 24 hrs/day 7 days a week

POWERQUALITY ANDYV: what does IEEE1159 address?

POWERQUALITY BRIAN: Please send all suggestion to me for our next chat

POWERQUALITY BRIAN: Bobbin is not banned now

POWERQUALITY BRIAN: my fault

POWERQUALITY ANDYZYREK: New PQ measuring techniques. We have not received our issue yet.

Petitioner Microsoft Corporation, Ex. 1002, p. 5821

POWERQUALITY ANDYV: You should have it my now

POWERQUALITY BRIAN: Bobbin is not banned anymore

POWERQUALITY ANDYV: you can e-mail me or john at: editors@powerquality com

POWERQUALITY BRIAN: is two hours right fdo rhtis feature

POWERQUALITY JOHNMUNG: do i understand that many programmable logic controllers can be hardened by addition of simple CVT like a sola?

POWERQUALITY ANDYZYREK: Yes, but it is being delivered by snail mail.

POWERQUALITY ANDYV: no 2nd class

POWERQUALITY BRIAN: 15 minutes to go

POWERQUALITY ANDYV: Please e-mail me you complete name and addess and I will mail you one today 1st class.....now is that serice or what?

POWERQUALITY BRIAN: Is two hours long enough for tthis chat?

POWERQUALITY TKEY: Im back

POWERQUALITY WARD: Brian, I think two hours is about right.

POWERQUALITY BRIAN: hi tom

POWERQUALITY BRIAN: good...

POWERQUALITY ANDYV: yes I agree 2hrs

POWERQUALITY BRIAN: anyone else

POWERQUALITY ANDYV: it the time of day correct?

POWERQUALITY BRIAN: questions now....

POWERQUALITY SKLEIN: The topic foremost in my mind right now is what to eat for lunch. I enjoyed the discussion, which I understand has been historic in some sense But I think I will sign off now and go eat.

POWERQUALITY SAM: 2 hours seems to work very well

POWERQUALITY DANIELH: time of day is good

POWERQUALITY BILLMANN: 2 hrs is fine

Petitioner Microsoft Corporation, Ex. 1002, p. 5822

POWERQUALITY MSTEARS: Two hours work well, the middle of the day allows east and west coast to be involved

POWERQUALITY BRIAN: good, Will everyone be back for the next chat

POWERQUALITY GRAVELY: Brian, I will forward my recommendations on email, thanks.

POWERQUALITY BILLMANN: yes i'll be back

POWERQUALITY ANDYZYREK: Brian, would it be possible to have a forum published on your home page prior to Nov 15 .

POWERQUALITY BRIAN: I would like to do another chat before Nov 15th, any thoughts

POWERQUALITY ANDY: U bet

POWERQUALITY SAM: I believe that this chat may set an attendance record for most participants during a first session

POWERQUALITY JOHNMUNG: a parting thought--"harmonics make the music rich, they make the tone insprinng--harmonics in your power line WILL BLOW THE BUILDINGS WIRING" tIM MUNGENAST

POWERQUALITY BRIAN: Your're all invited to return

POWERQUALITY BRIAN: the next chat

POWERQUALITY BRIAN: This chat feature will help set standards of how we view our industry

POWERQUALITY WARD: For me this was two hours very well spent, and it was quite enjoyable.

POWERQUALITY BRIAN: Tell a colleague about our chat Nov 15th

POWERQUALITY BRIAN: Thanks Ward

POWERQUALITY BRIAN: I would like to do this on a weekly basis, any thoughts yet

POWERQUALITY GRAVELY: John: talk it up in Germany!!

POWERQUALITY ANDY: I would like to thank utilicorp and everyone envolved.

Petitioner Microsoft Corporation, Ex. 1002, p. 5823

POWERQUALITY BRIAN: Thanks Andy for your help

POWERQUALITY WARD: Did this notice go out to the Power Globe mailing list?

POWERQUALITY BRIAN: No, but could help us Ward with that

POWERQUALITY BRIAN: Lets all get the word out about this chat

POWERQUALITY WARD: I'm on the list and will be glad to forward anything you wish to it.

POWERQUALITY BRIAN: Please use it whenver you wish, even schedule your own chats whenver

POWERQUALITY JOHNMUNG: MANY THANKS TO uTILICORP AND ALL INVOLVED- FROM AN OLD STEAM BOATER :-)

POWERQUALITY BRIAN: thanks ward

POWERQUALITY BRIAN: Hi duane

POWERQUALITY BRIAN: This chat is offically over, but do stick around for foir more chatting

POWERQUALITY BRIAN: Thanks to all, cya on Nov 15th

POWERQUALITY MSTEARS: Ward, Tom, and John I appreciate your participation

POWERQUALITY BRIAN: Thanks Guys and Ladies!!!!!!!!!!!

POWERQUALITY SWPPD: WHAT IS HAPPENING ON NOV. 15

POWERQUALITY BRIAN: our next chat with a panel of experts

POWERQUALITY BRIAN: topic yet to be decided

POWERQUALITY DPSWOBO: Hi Brian, Sorry I was on the phone and could not respond right away. Did I get the time incorrectly for the chat?

POWERQUALITY BRIAN: please send us a suggestions

POWERQUALITY ANDY: good bye ;-)

POWERQUALITY BRIAN: Yeah, but stick around to chat with some friends

POWERQUALITY BRIAN: We had a total of 50 people and avg of 20 people at one time

POWERQUALITY BRIAN: Thanks everyone!!!Lunch Time

POWERQUALITY BRIAN: Next Chat Nov 15th at 10-12 ct

POWERQUALITY BRIAN: But this chat line is available 24hrs/day/7 days a week

POWERQUALITY BRIAN: Please use it whenever

POWERQUALITY GRAVELY: Thanks to the panel and Utilicorp for the session!

POWERQUALITY BRIAN: Talk to your collegues and friends about any particular topic

POWERQUALITY BRIAN: Come see our home page for new topics and chats

POWERQUALITY BRIAN: http://www.utilicorp.com

POWERQUALITY BRIAN: Thanks Power Quality Assurance Magazine and All our panel members

POWERQUALITY BRIAN: :)

POWERQUALITY SWPPD: MISSED THIS SESSION. ICAN WE GET HARD COPY INFO?

POWERQUALITY BRIAN: yes swwp, it will be published in pq mag and our home page

POWERQUALITY BRIAN: catch our next session on nov 15th

POWERQUALITY BRIAN: 10-12 ct

POWERQUALITY SWPPD: THANKS A BUNCH!!

POWERQUALITY SWPPD: GOOD BYE!

POWERQUALITY BRIAN: no prob

POWERQUALITY BRIAN: cya

POWERQUALITY DESWETT:

POWERQUALITY TKEY: Good session brian, ddorr and I will be signing off now, look forward to the next session

POWERQUALITY DPSWOBO: Thanks for the info on the next session, we will get on next time

POWERQUALITY DMARKS: I hope everyone enjoyed this session.

POWERQUALITY MSTEARS: I am logging off Thanks

Petitioner Microsoft Corporation, Ex. 1002, p. 5825

POWERQUALITY SAM: This is Tony and I am watching the action... we made history. Great work guys.

POWERQUALITY BRIAN: Lunch time

POWERQUALITY BRIAN: Next chat is nov 15th

POWERQUALITY BRIAN: 10-12ct

POWERQUALITY BRIAN: please continuie to look at utilicorp's hp

POWERQUALITY BRIAN: for more info

POWERQUALITY BRIAN: email if you have any questions regarding the chat

POWERQUALITY BRIAN: bspencer@utilicorp.com

POWERQUALITY BRIAN: later

SUPPORT BRIAN: hi guys

SUPPORT BRIAN: success

SUPPORT BRIAN: yess!!!

POWERQUALITY CPREECS: ?yes, i got some conflicting info

POWERQUALITY BRIAN: transcripts will be in PQ mag next month and on utilicorp's home page

POWERQUALITY CPREECS: what were the topics discussed?

POWERQUALITY BRIAN: how is that chuck

POWERQUALITY BRIAN: power quality, standards,

POWERQUALITY BRIAN: retail wheeling

POWERQUALITY BRIAN: cya, lunch time

POWERQUALITY CPREECS: later

POWERQUALITY BRIAN: bye all

POWERQUALITY BRIAN: email me chuck

POWERQUALITY RB: sorry I missed it. I got 12-2 est off the net. bye.

POWERQUALITY BRIAN: sorry RB

POWERQUALITY BRIAN: miss information

POWERQUALITY BRIAN: next chat is 10-12

POWERQUALITY BRIAN: ct

POWERQUALITY BRIAN: nov 15th

POWERQUALITY BRIAN: bye

POWERQUALITY RB: thanks

POWERQUALITY BRIAN: no prob, tell all

POWERQUALITY ANDY: Is anyone still here talking about power quality?

POWERQUALITY DAVE: Just signed on that is what I was trying to find out

POWERQUALITY ANDY: the PQ chat was running from 11:00-1:00est

POWERQUALITY ANDY: Were you involved then?

POWERQUALITY DAVE: No I just got a chance to sign on now

POWERQUALITY ANDY: there were some great discussions.

Petitioner Microsoft Corporation, Ex. 1002, p. 5827

POWERQUALITY ANDY: The transcripts will be available to down load at utilicorp.com Brian Spencer says.

POWERQUALITY ANDY: What is your experience in PQ

POWERQUALITY DAVE: That is what I was looking for, are they available to down load now, I work in a data center and have worked with UPS systems for about 12 years

POWERQUALITY DAVE: I did field service for Exide

POWERQUALITY ANDY: Brian just went to Lunch in KS I don/t know when it will availalbe.

POWERQUALITY DAVE: Thanks for the Info on the downloads, I hope they do this again

POWERQUALITY ANDY: so do I.

POWERQUALITY DAVE: What is your experience on PQ

POWERQUALITY ANDY: I am the editor or Power quality mag.

POWERQUALITY DAVE: Good mag., I pick up alot in it

POWERQUALITY ANDY: do your receive power quality assurance magazine?

POWERQUALITY ANDY: great glad to hear it.

POWERQUALITY DAVE: We get it at work but I have asked to have it sent to my home

POWERQUALITY ANDY: did you get the latest issue witht the lighting on the cover?

POWERQUALITY DAVE: Not yet, have seen it on line though

POWERQUALITY ANDY: great.

POWERQUALITY ANDY: any suggestion for editorial?

POWERQUALITY DAVE:

POWERQUALITY DAVE: no it is good

POWERQUALITY ANDY: ok.

POWERQUALITY ANDY: I am currently editing an article about VRLA battery charging.

Petitioner Microsoft Corporation, Ex. 1002, p. 5828

POWERQUALITY DAVE: I am working on a resonant problem with Utility and was looking for info

POWERQUALITY ANDY: explain

POWERQUALITY ANDY: by the way my e-mail is andy@powerquality.com

POWERQUALITY DAVE: we are running a lot of 5th har. across our system in a large data center

POWERQUALITY ANDY: I see

POWERQUALITY ANDY: I will try to address this in an upcomming issue. may be march/april or even sooner.

POWERQUALITY DAVE: we have 4800kw of UPS cap on two transformers and we have alot of 5th on our other boards

POWERQUALITY ANDY: If you are interested in writing up a case history including you solutions I would like to review it and poss. publish

POWERQUALITY MSTONEHAM: Is this chat session still active?

POWERQUALITY ANDY: YES

POWERQUALITY ANDY: We can'nt get enough! ! !

POWERQUALITY DAVE: when we can get it fixed, It looks like we have a problem with input filtering on a couple of UPS,s

POWERQUALITY ANDY: input fro the utility or a generator?

POWERQUALITY DAVE: utility

POWERQUALITY MSTONEHAM: I understand there was a chat session earlier today with some guest" chatters". Is there an archive of the discussion since I missed it?

POWERQUALITY DAVE: we have 66kv to 12kv then to 480 v by 4 trans on property

POWERQUALITY ANDY: What are you leaning towards in a solution dave

POWERQUALITY ANDY: MTONEHAM> >yes but I don't know when. contact BSPENCER@utilicorp.com

Petitioner Microsoft Corporation, Ex. 1002, p. 5829

POWERQUALITY DAVE: the computer seem to have no problem, but we have alot of motor heating / bad PF

POWERQUALITY MSTONEHAM: Thanks!

POWERQUALITY DAVE: we currently are working with a consulant but I am looking for more info

POWERQUALITY ANDY: will capacitors solve your ptoblem

POWERQUALITY ANDY:

POWERQUALITY ANDY: there also is a forum under utilicorp.com where you can post you questions.

POWERQUALITY DAVE: Each 600kw UPS has Input filtering / may need trap for 5th

POWERQUALITY ANDY: or you can access it form powerquality.com

POWERQUALITY DAVE: thanks

POWERQUALITY ANDY: Talk to ya later dave

POWERQUALITY DAVE: is PQ.com your Mag

POWERQUALITY ANDY: bye

POWERQUALITY DAVE: bye

POWERQUALITY ANDY: yes

POWERQUALITY DAVE: thanks

POWERQUALITY ANDY: :-)

POWERQUALITY MSTONEHAM:

POWERQUALITY MSTONEHAM: Is anyone else hear? There doesn't seem to be much traffic.

POWERQUALITY MSTONEHAM:

POWERQUALITY CILCOJRG: Hello- is the conference over?

POWERQUALITY CILCOJRG:

POWERQUALITY CILCOJRG: hello

POWERQUALITY BRIAN: yes

Petitioner Microsoft Corporation, Ex. 1002, p. 5830

POWERQUALITY BRIAN: the conference was from 10-12 ct

POWERQUALITY BRIAN. someone gave out the wrong information

POWERQUALITY BRIAN: hello cilco

POWERQUALITY BRIAN: anyone still there

SUPPORT BRIAN: hi all

SUPPORT BRIAN: anyone there

POWERQUALITY BRIAN: jenny> >are you there

POWERQUALITY CJBOUTCHER: is anyone here a utility employee?

POWERQUALITY BRIAN: Hi chris

POWERQUALITY BRIAN: how are you?

POWERQUALITY CJBOUTCHER: hi brian it is quiet in here

POWERQUALITY BRIAN: the conference was at 10:00ct

POWERQUALITY CJBOUTCHER: ah I see

POWERQUALITY CJBOUTCHER: when is the next one?

POWERQUALITY BRIAN: nov 15th

POWERQUALITY BRIAN: 10-12

POWERQUALITY BRIAN: ct

POWERQUALITY CJBOUTCHER: is the channel open at other times?

POWERQUALITY BRIAN: yes 24 hours a dfay

POWERQUALITY CJBOUTCHER: but not much discussion?

POWERQUALITY BRIAN: not right now,

POWERQUALITY BRIAN: cya

POWERQUALITY CJBOUTCHER: bye

POWERQUALITY BRIAN: hi jenny

POWERQUALITY JOSH: hello?

POWERQUALITY BRIAN: hi dan

POWERQUALITY BRIAN: hi dan

Petitioner Microsoft Corporation, Ex. 1002, p. 5831

POWERQUALITY BRIAN: are you awake yet?

POWERQUALITY BRIAN: just giving present this a.m.

POWERQUALITY BRIAN: :)

POWERQUALITY BRIAN: who is guest96

POWERQUALITY GUEST96: test

While a particular embodiment of the present invention has been disclosed, it is to be understood that various different modifications are possible and are within the true spirit of the invention, the scope of which is to be determined with reference to the claims set forth below. There is no intention, therefore, to limit the invention to the exact disclosure presented herein as a teaching of one embodiment of the invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5832

I Claim:

1. Computerized human communication arbitrating and distributing system, including:

a controller digital computer;

a plurality of participator digital computers, each said participator computer including an input device for receiving human-input information from a human user and an output device for presenting information to the user, each said user having a user identity;

a connection [internet] linking the controller computer with each of the participator computers;

controller software, running on the controller computer to arbitrate in accordance with predefined rules including said user identity, which ones of the participator computers can interact in one of a plurality of groups through the controller computer and to distribute real time data to the respective ones of the groups;

participator software, running on each of the participator computers to handle a user interface permitting one said user to send a multimedia information message to the controller computer, which arbitrates which of the participator computers receive the multimedia information message and conveys the multimedia information message to the selected participator computers to present the multimedia information to the respective user.

Petitioner Microsoft Corporation, Ex. 1002, p. 5833

ABSTRACT

A computerized human communication arbitrating and distributing system, including a controller digital computer and a plurality of participator digital computers, each of the participator computers including an input device for receiving human-input information from a human user and an output device for presenting information to the user, each said user having a user identity. A connection, such as Internet, links the controller computer with each of the participator computers. Controller software runs on the controller computer to arbitrate in accordance with predefined rules including said user identity, which ones of the participator computers can interact in one of a plurality of groups through the controller computer and to distribute real time data to the respective ones of the groups. Participator software runs on each of the participator computers to handle a user interface permitting one said user to send a multimedia information message to the controller computer, which arbitrates which of the participator computers receive the multimedia information message and conveys the multimedia information message to the selected participator computers to present the multimedia information to the respective user.

Petitioner Microsoft Corporation, Ex. 1002, p. 5834

FIG. 1

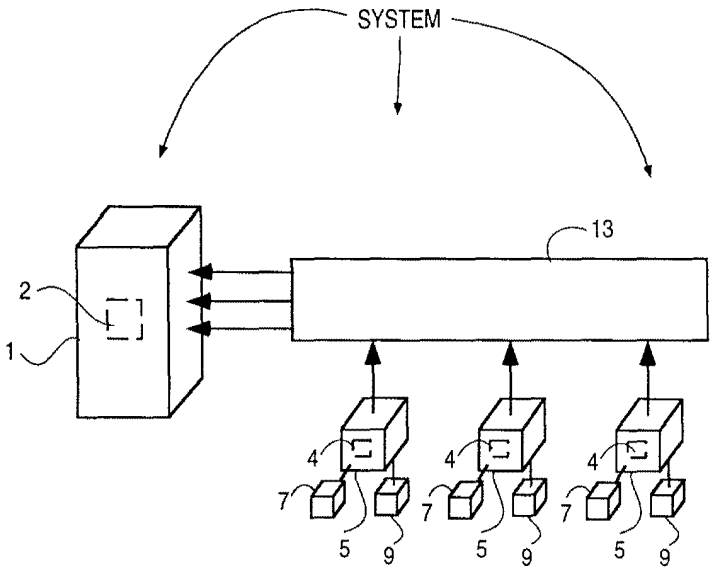


FIG. 2

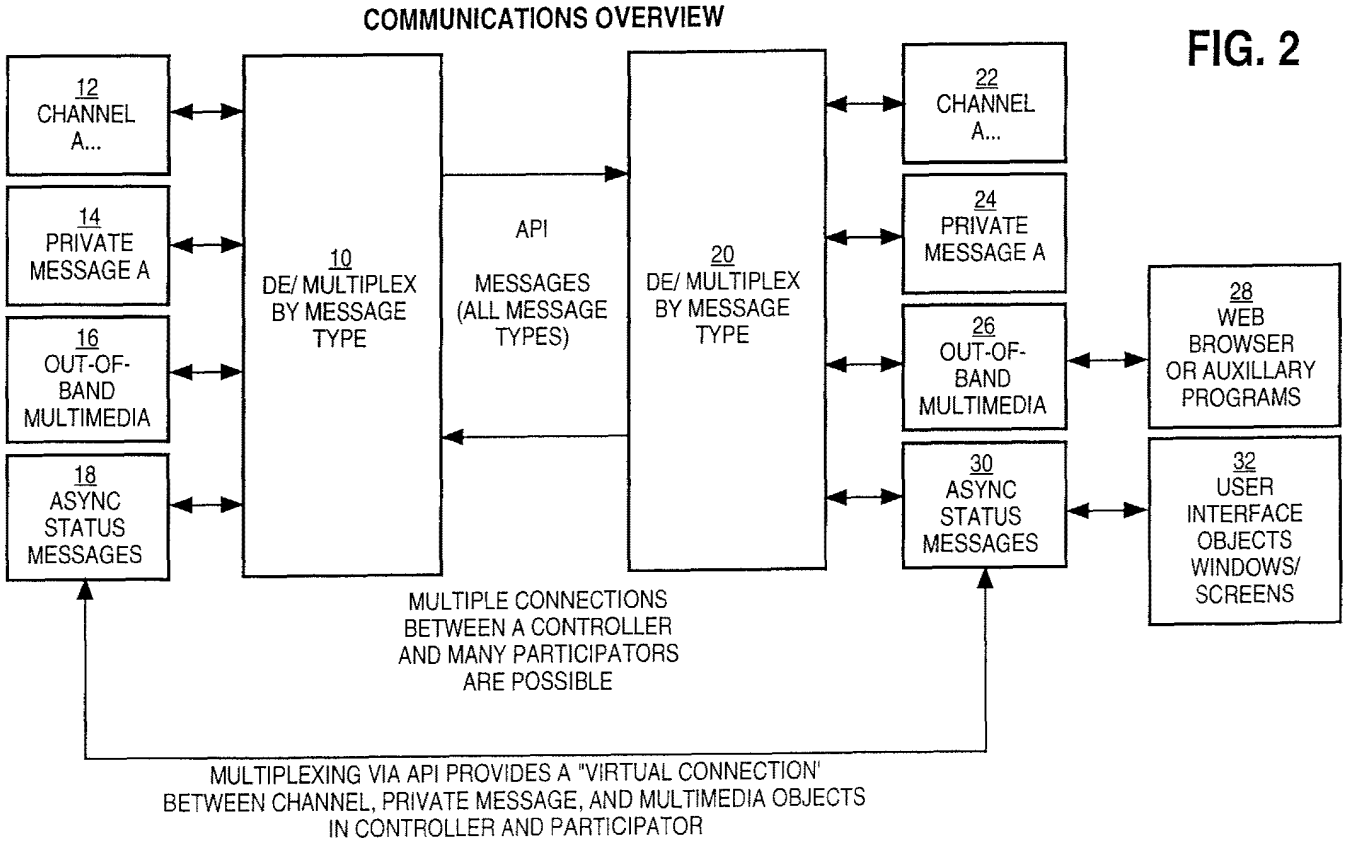
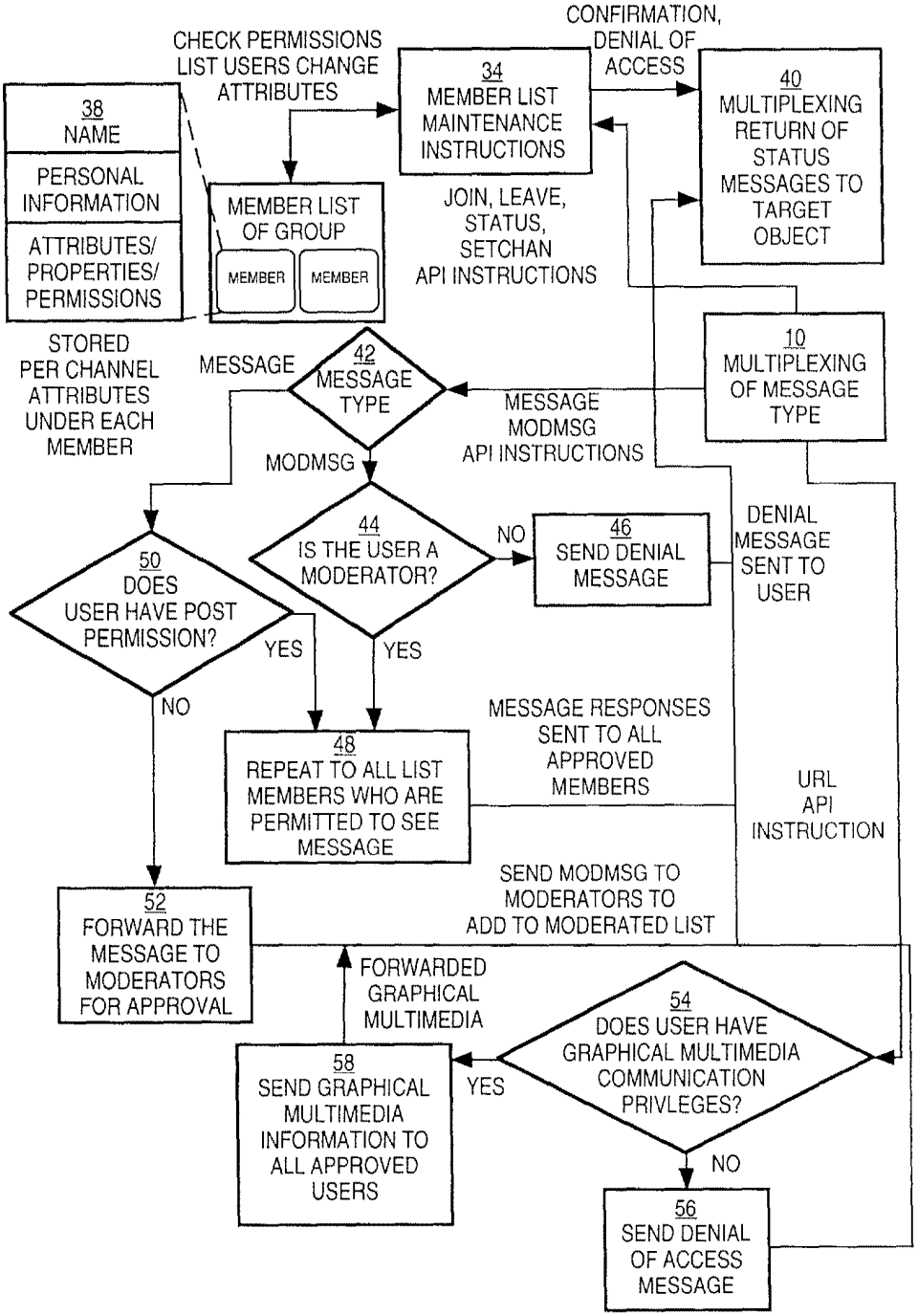

COMMUNICATIONS OVERVIEW
12 CHANNEL A...
14 PRIVATE MESSAGE A
16 OUT-OF-BAND MULTIMEDIA
18 ASYNC STATUS MESSAGES
10 DE/ MULTIPLEX BY MESSAGE TYPE
API
MESSAGES (ALL MESSAGE TYPES)
20 DE/ MULTIPLEX BY MESSAGE TYPE
22 CHANNEL A...
24 PRIVATE MESSAGE A
26 OUT-OF-BAND MULTIMEDIA
30 ASYNC STATUS MESSAGES
28 WEB BROWSER OR AUXILLARY PROGRAMS
32 USER INTERFACE OBJECTS WINDOWS/ SCREENS
MULTIPLE CONNECTIONS BETWEEN A CONTROLLER AND MANY PARTICIPATORS ARE POSSIBLE
MULTIPLEXING VIA API PROVIDES A "VIRTUAL CONNECTION' BETWEEN CHANNEL, PRIVATE MESSAGE, AND MULTIMEDIA OBJECTS IN CONTROLLER AND PARTICIPATOR

FIG. 3

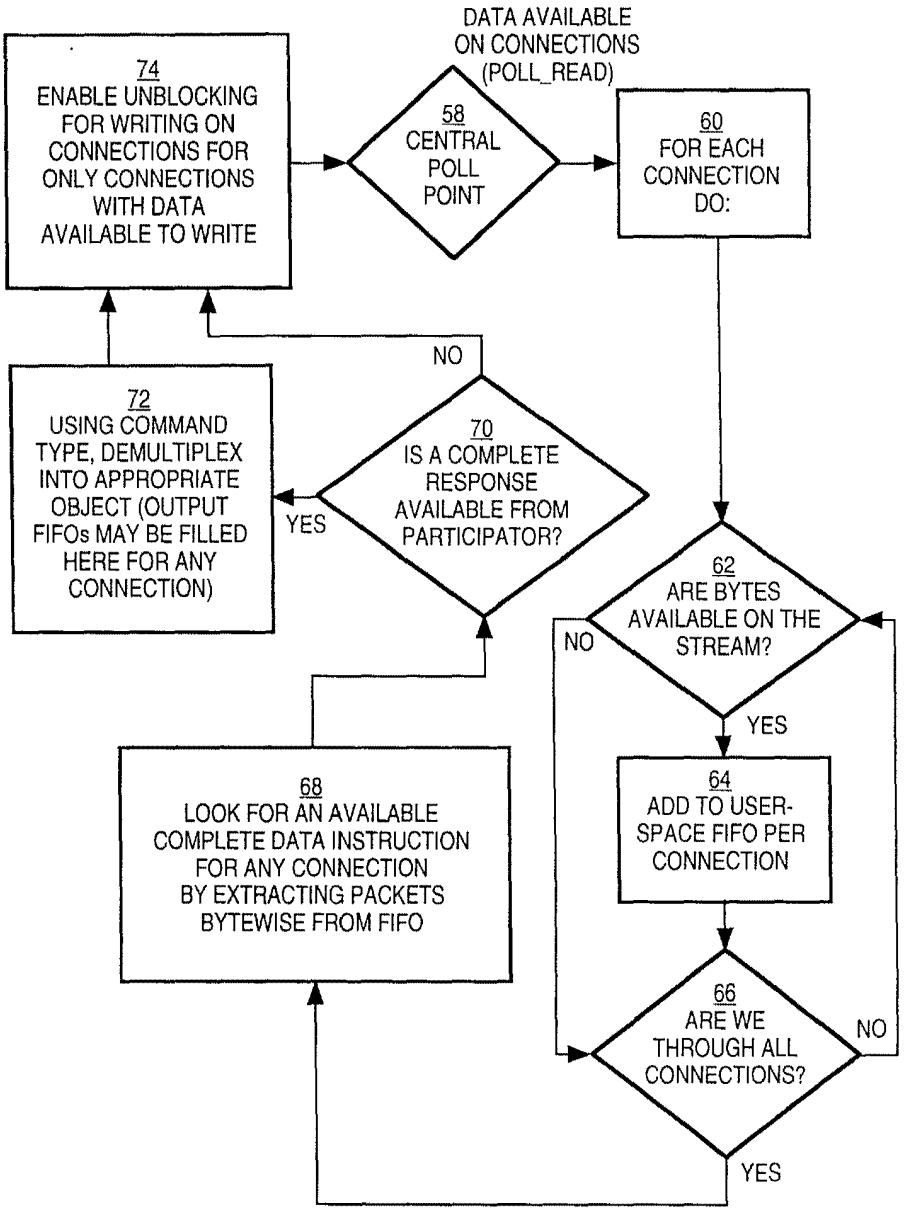
DATA AND COMMUNICATIONS DEPENDENCY DIAGRAM CONTROLLER GROUP CHANNEL STRUCTURE



Petitioner Microsoft Corporation, Ex. 1002, p. 5837

FIG. 4

CENTRAL CONTROLLER LOOP COMMUNICATIONS



Petitioner Microsoft Corporation, Ex. 1002, p. 5838

FIG. 5

CLIENT CHANNEL DATA STRUCTURE AND INFORMATION FLOW DIAGRAM

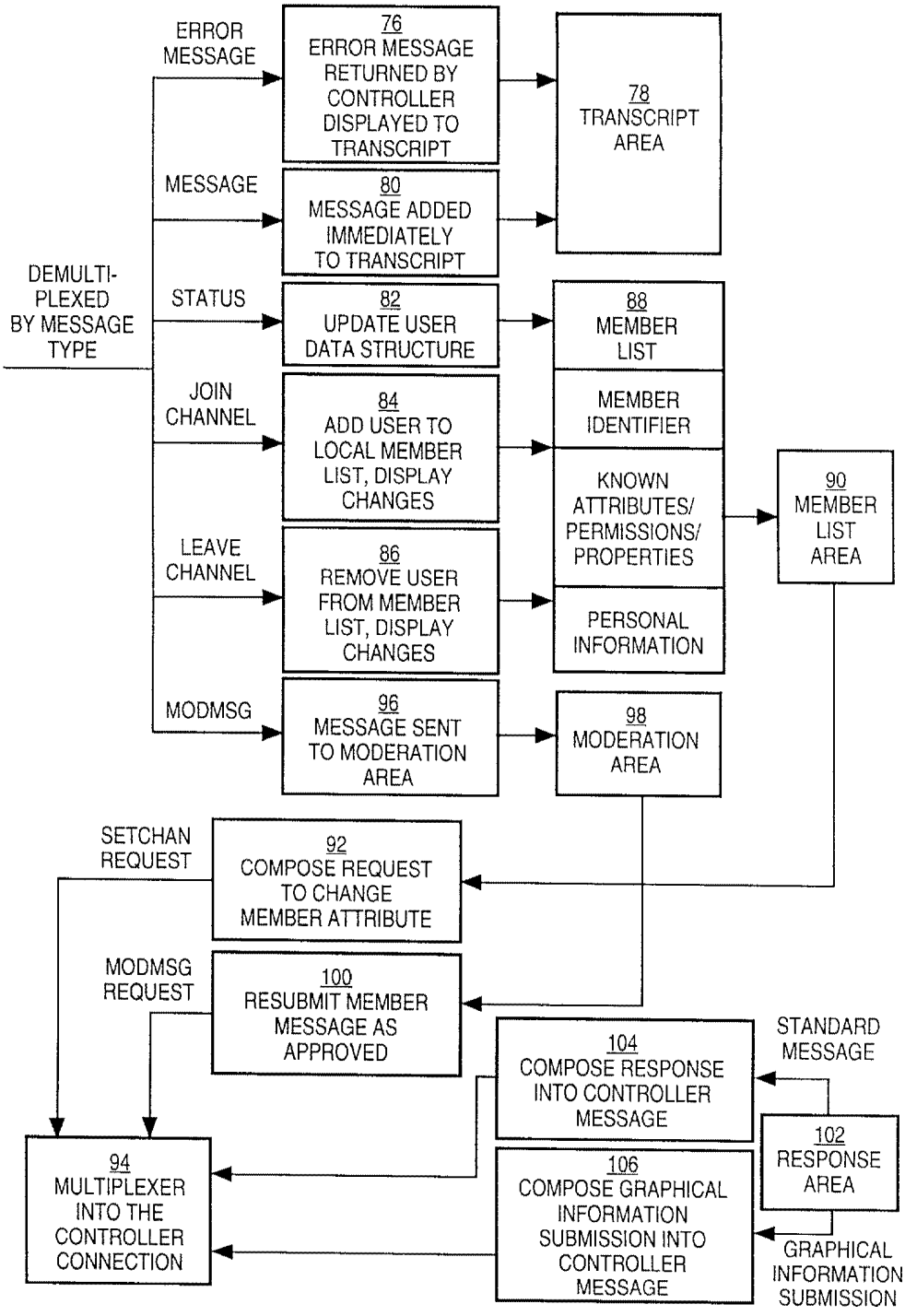
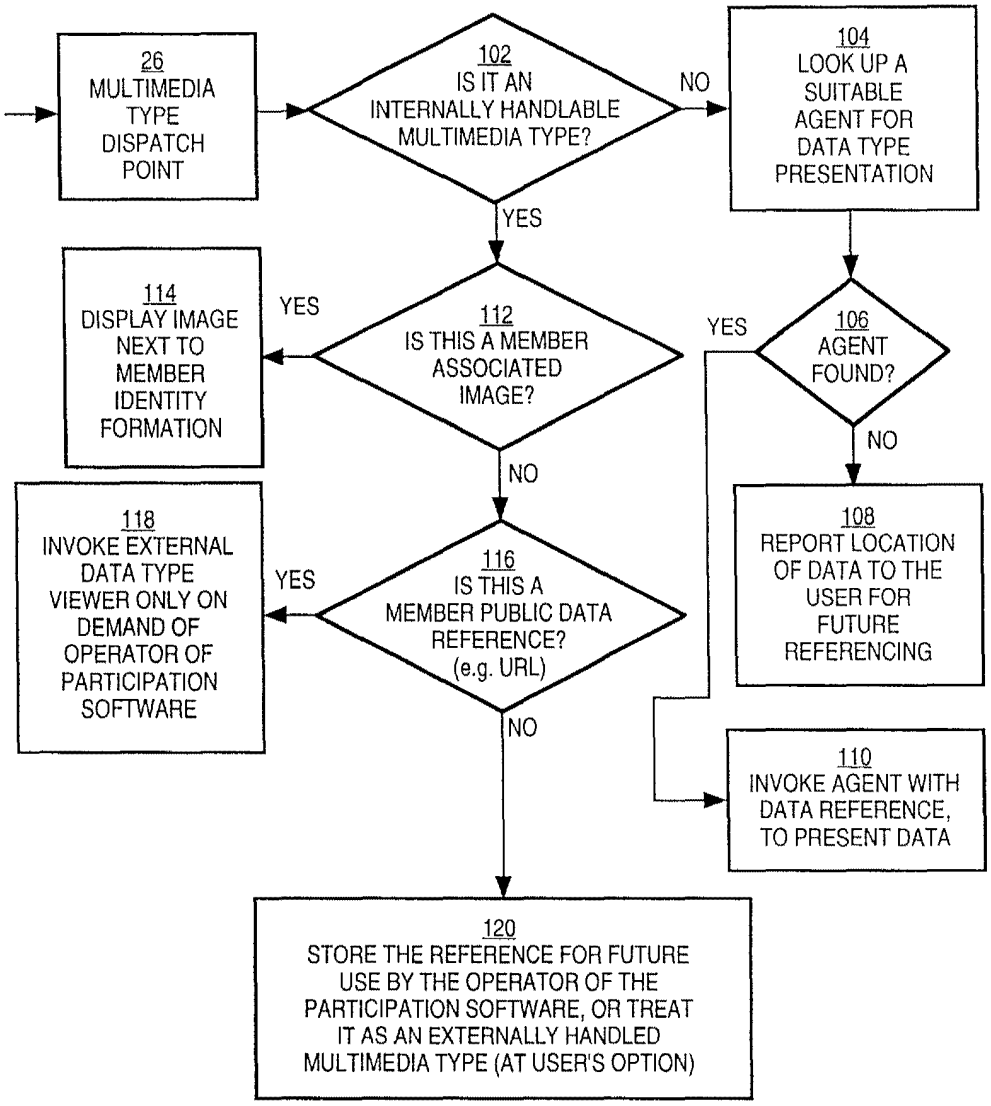


FIG. 6

PARTICIPATION SOFTWARE OUT-OF-BAND MULTIMEDIA
OUT-OF-BAND MULTIMEDIA INFORMATION FLOW DIAGRAM



Petitioner Microsoft Corporation, Ex. 1002, p. 5840

FIG. 7

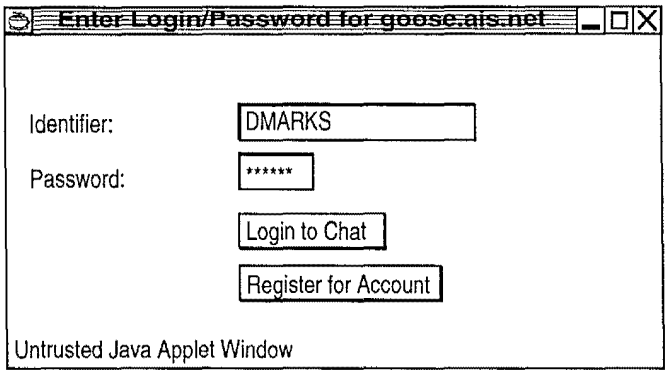
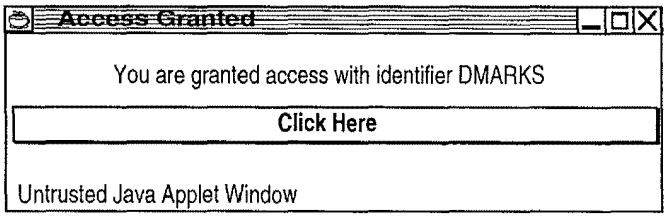


FIG. 8



Petitioner Microsoft Corporation, Ex. 1002, p. 5841

FIG. 9

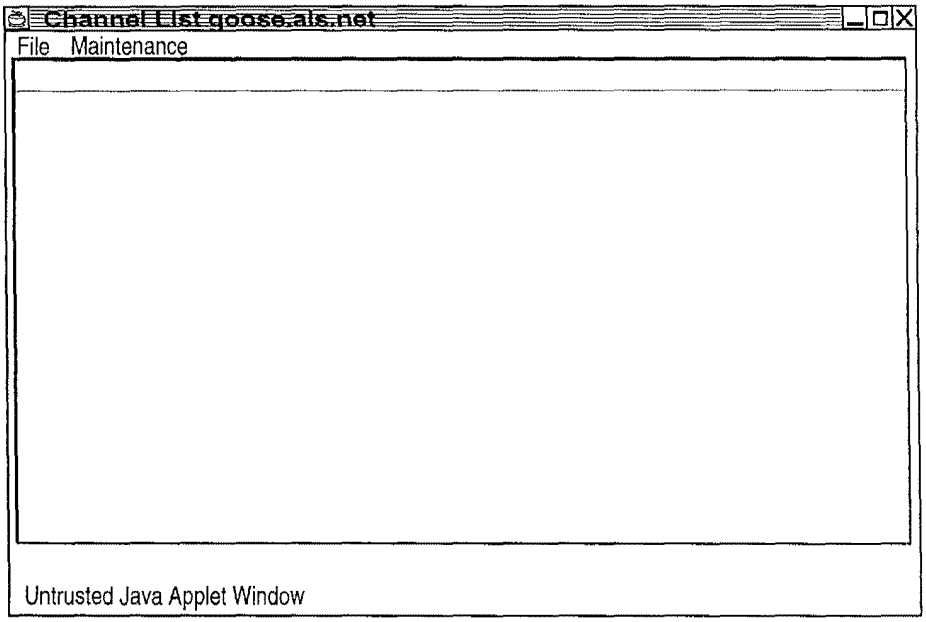
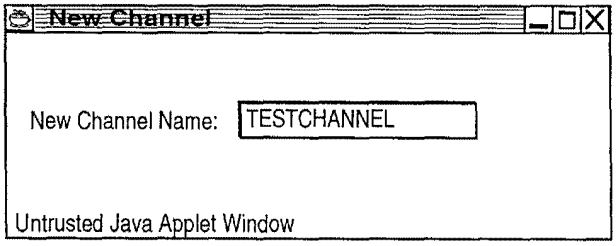


FIG. 10



Petitioner Microsoft Corporation, Ex. 1002, p. 5842

FIG. 11

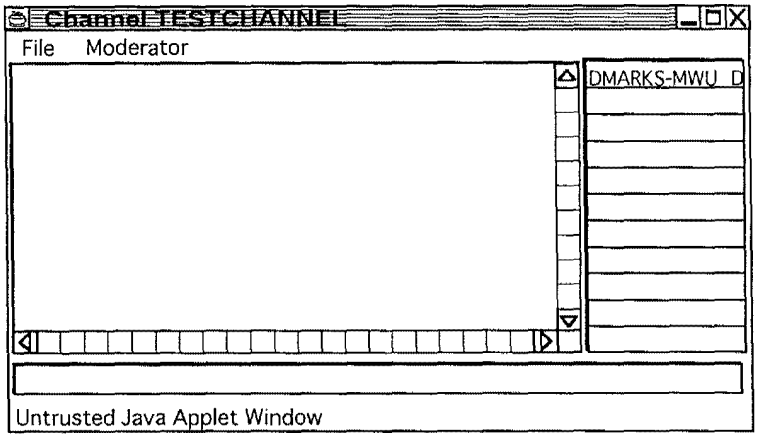
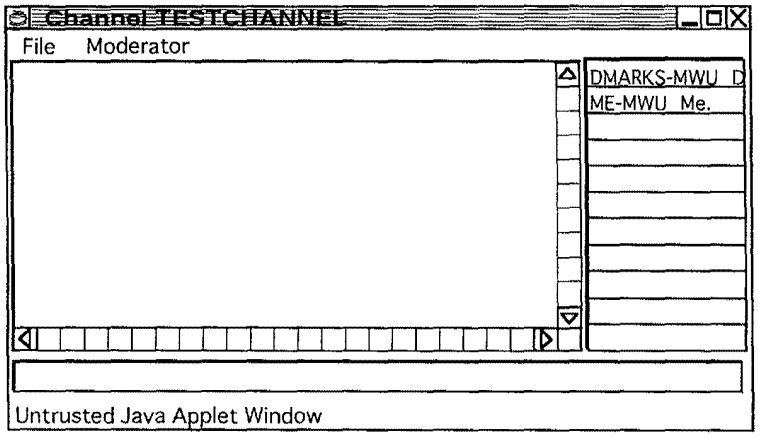


FIG. 12



Petitioner Microsoft Corporation, Ex. 1002, p. 5843

FIG. 13

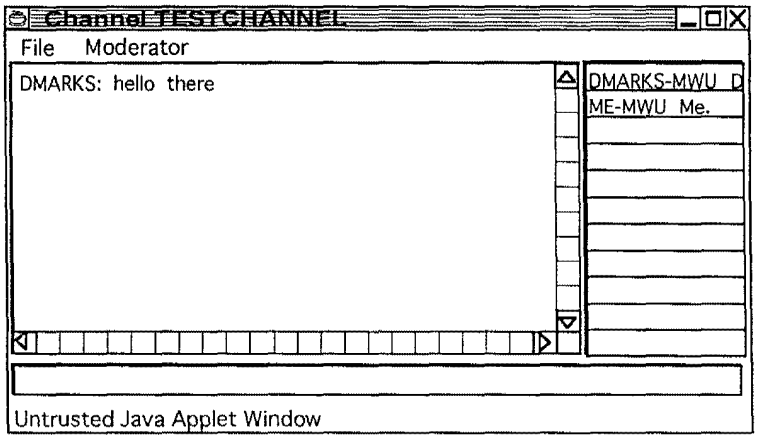
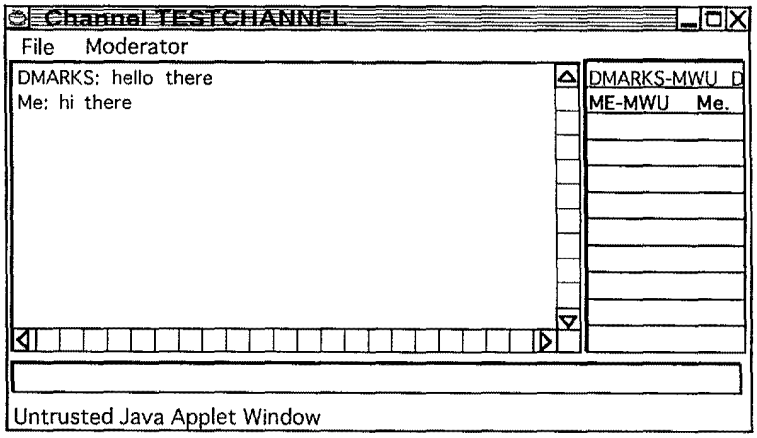


FIG. 14



Petitioner Microsoft Corporation, Ex. 1002, p. 5844

FIG. 15

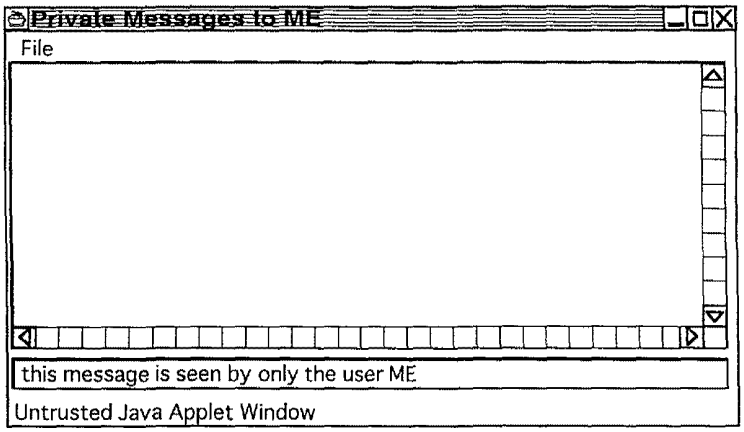
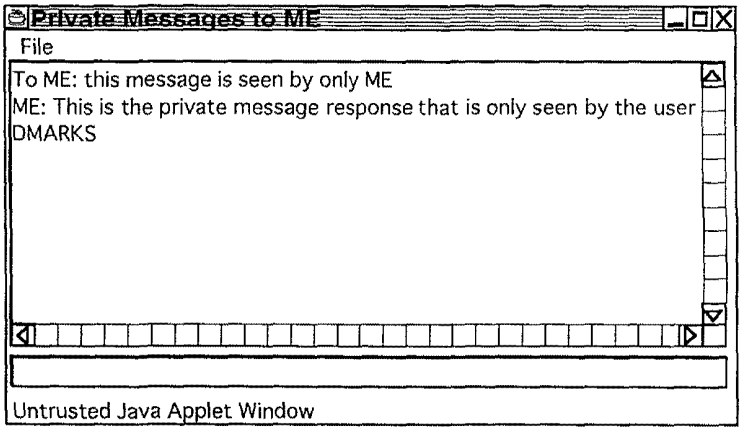


FIG. 16



Petitioner Microsoft Corporation, Ex. 1002, p. 5845

FIG. 17

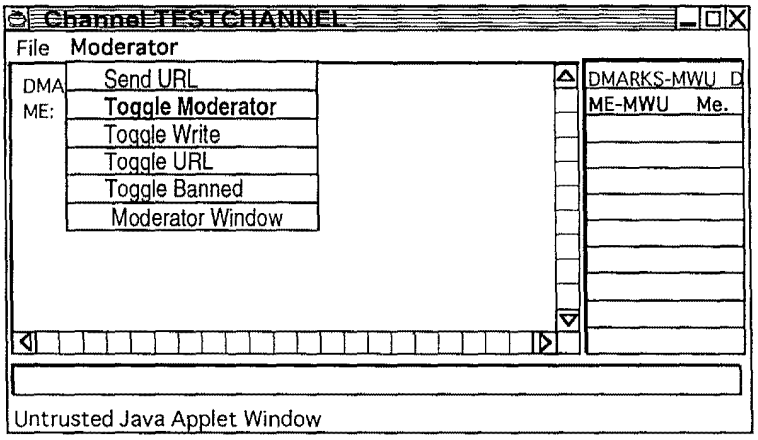

Channel TESTCHANNEL
File Moderator
DMA
ME:
Send URL
Toggle Moderator
Toggle Write
Toggle URL
Toggle Banned
Moderator Window
DMARKS-MWU D
ME-MWU Me.
Untrusted Java Applet Window

FIG. 18

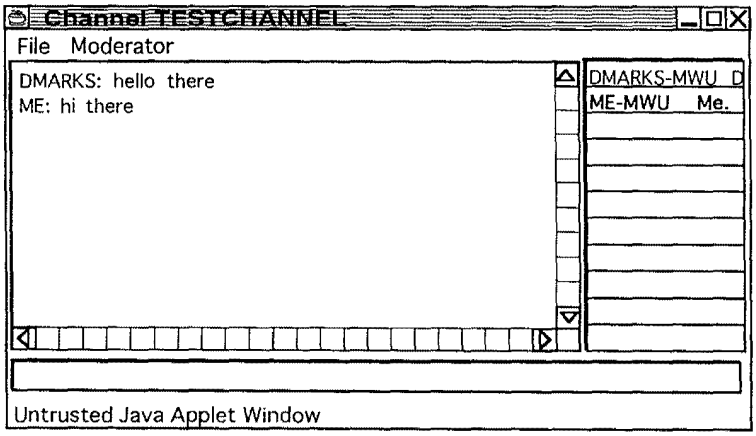

Channel TESTCHANNEL
File Moderator
DMARKS: hello there
ME: hi there
DMARKS-MWU D
ME-MWU Me.
Untrusted Java Applet Window

FIG. 19

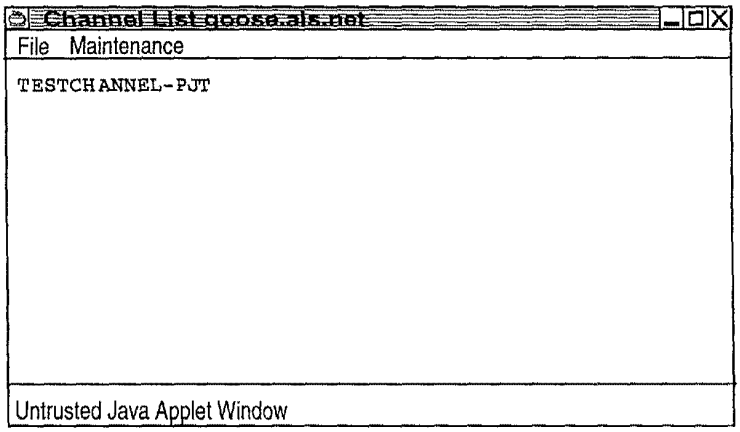
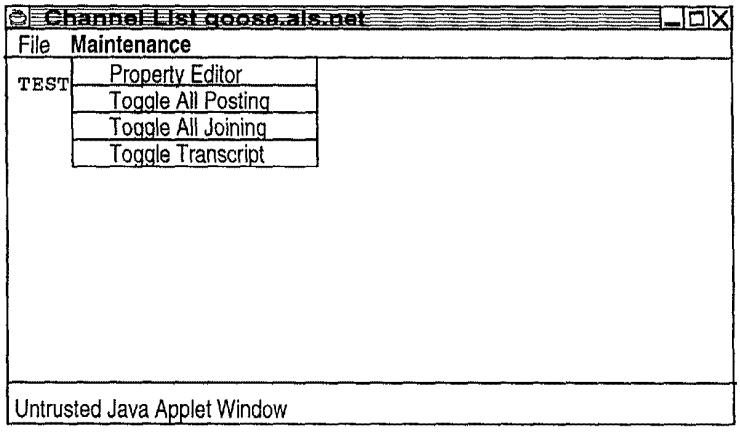


FIG. 20



Petitioner Microsoft Corporation, Ex. 1002, p. 5847

FIG. 21

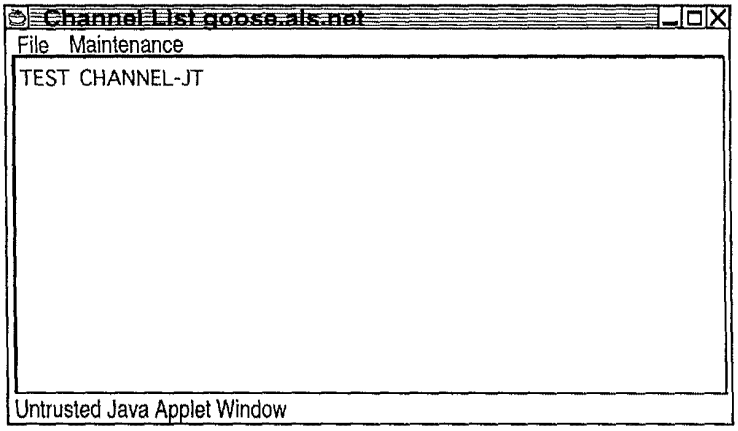
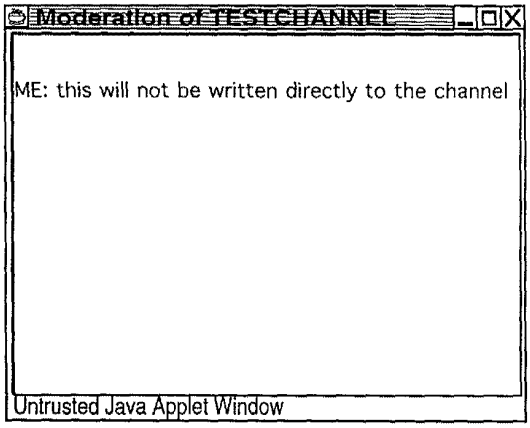


FIG. 22



Petitioner Microsoft Corporation, Ex. 1002, p. 5848

FIG. 23

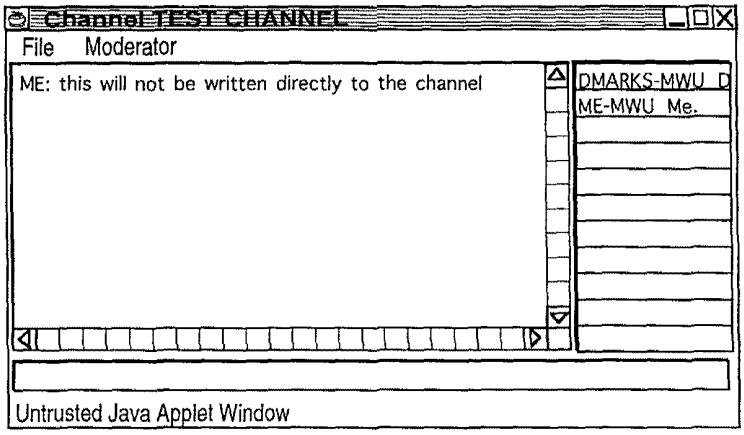
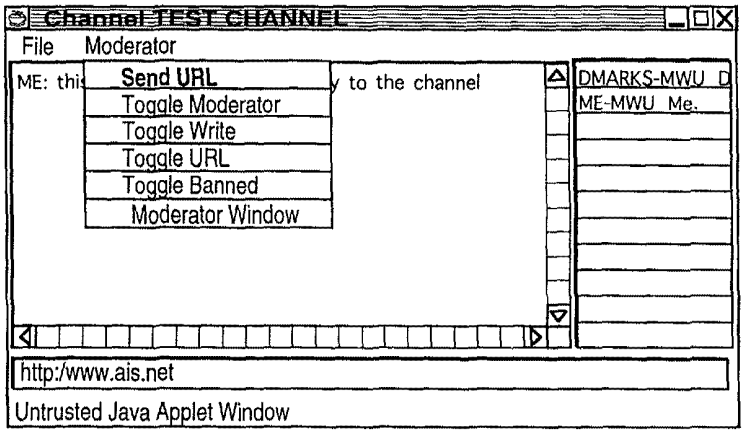


FIG. 24



Petitioner Microsoft Corporation, Ex. 1002, p. 5849

FIG. 25

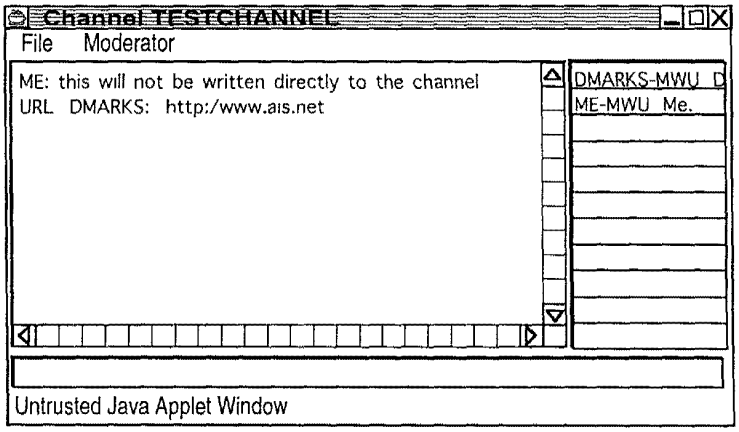
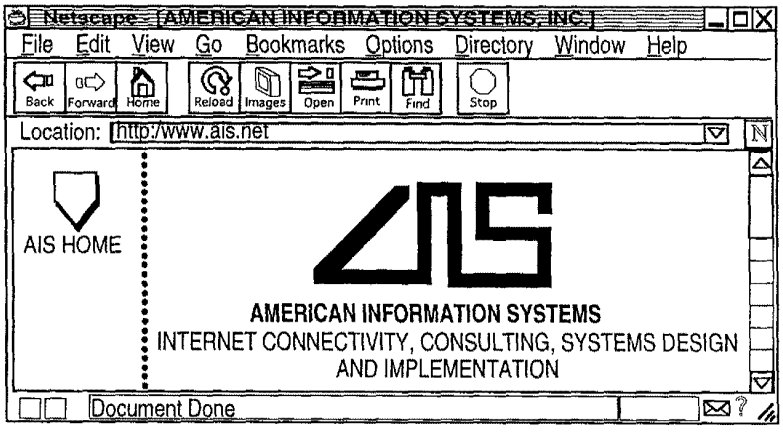
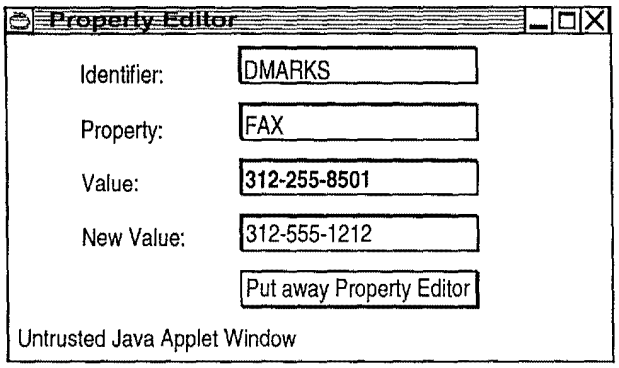


FIG. 26



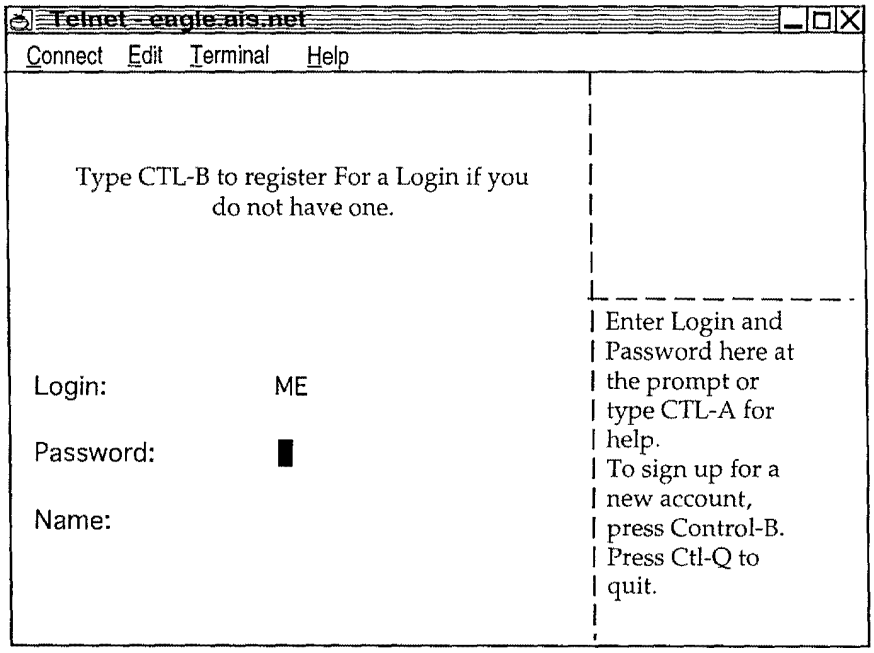
Petitioner Microsoft Corporation, Ex. 1002, p. 5850

FIG. 27



Petitioner Microsoft Corporation, Ex. 1002, p. 5851

FIG. 28



Petitioner Microsoft Corporation, Ex. 1002, p. 5852

FIG. 29

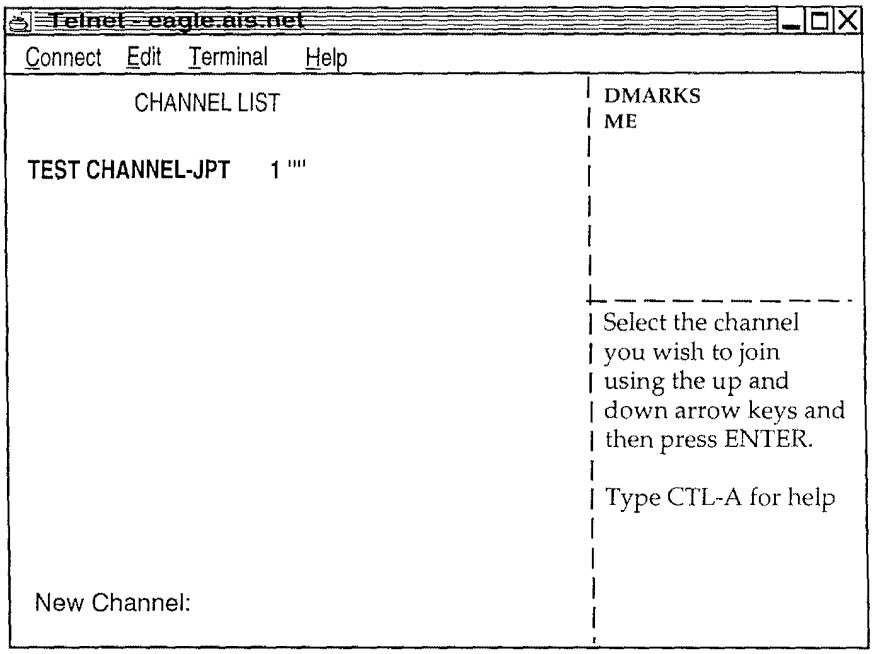
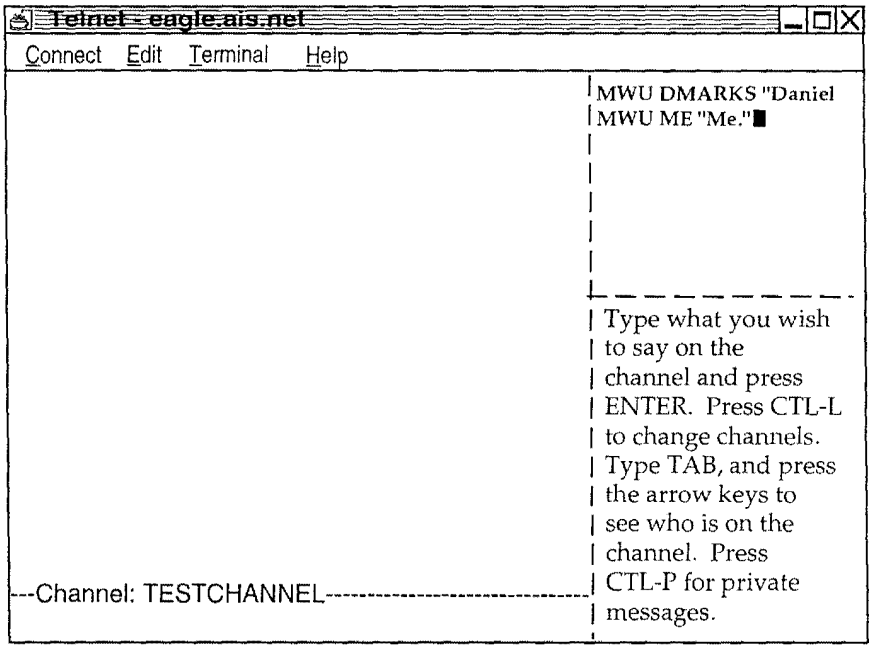
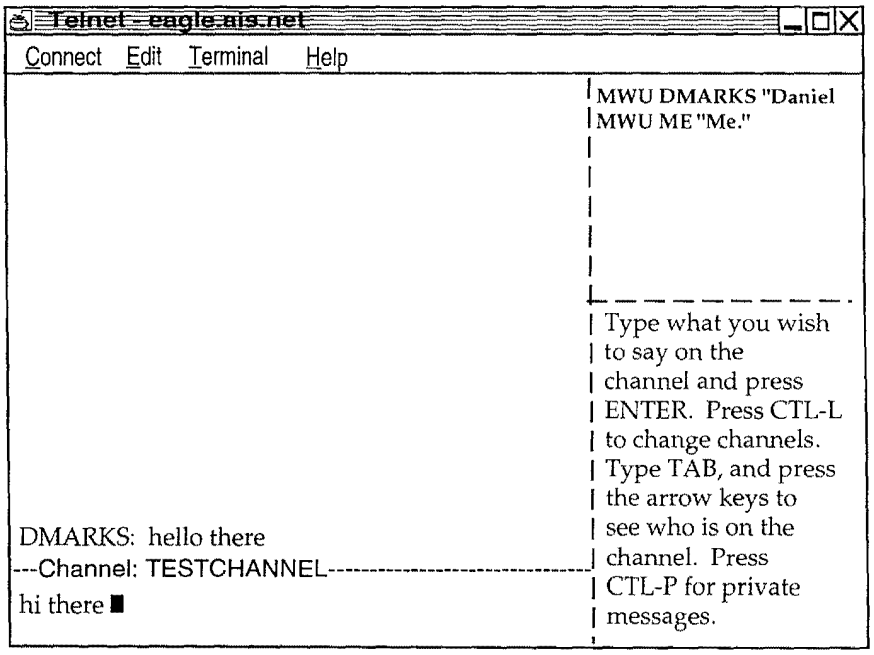


FIG. 30



Petitioner Microsoft Corporation, Ex. 1002, p. 5853

FIG. 31



5,838,973

FIG. 32

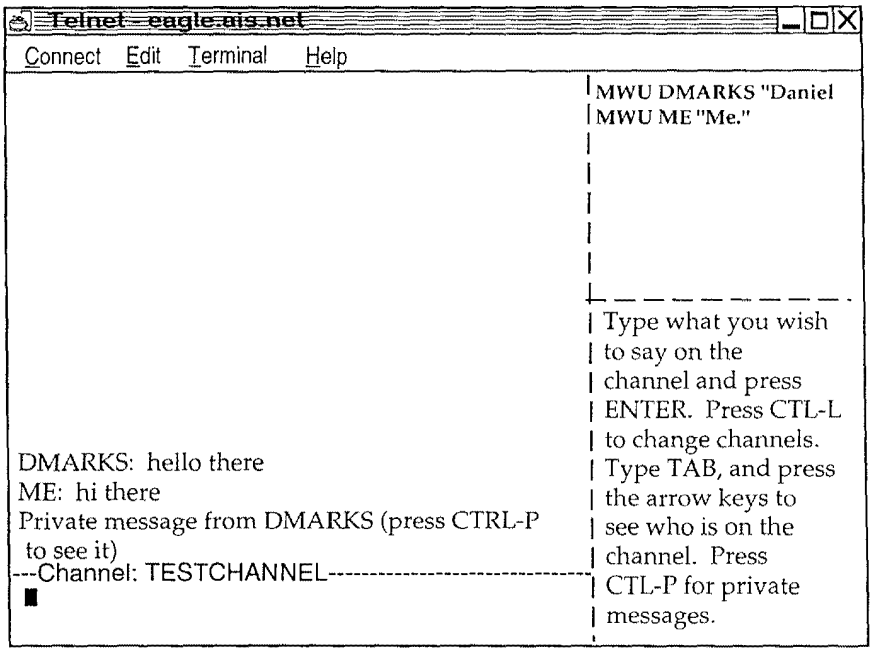

Telnet - eagle.ais.net
Connect Edit Terminal Help
MWU DMARKS "Daniel
MWU ME "Me."
Type what you wish to say on the channel and press ENTER. Press CTL-L to change channels. Type TAB, and press the arrow keys to see who is on the channel. Press CTL-P for private messages.
DMARKS: hello there
ME: hi there
Private message from DMARKS (press CTRL-P to see it)
---Channel: TESTCHANNEL----------

FIG. 33

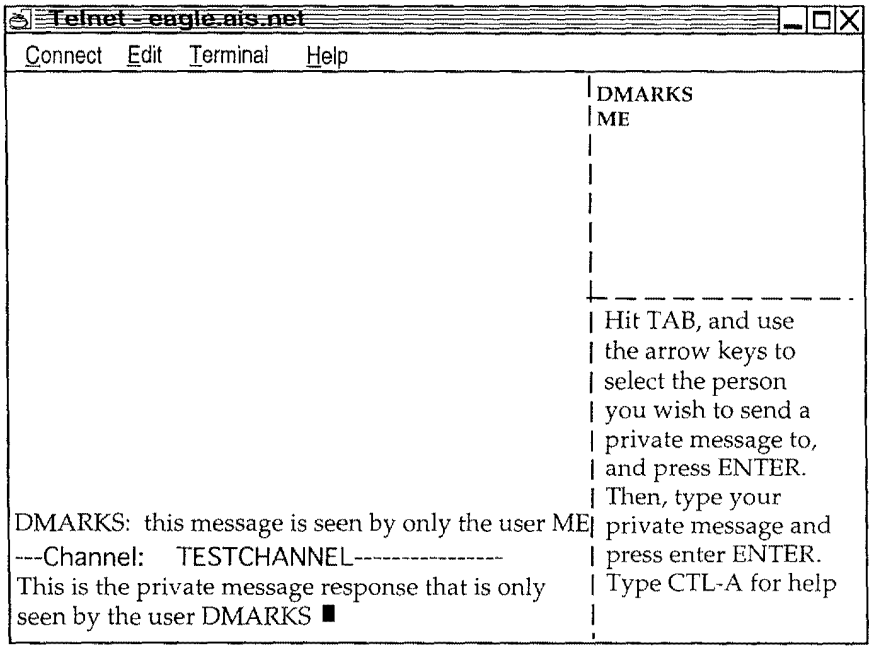
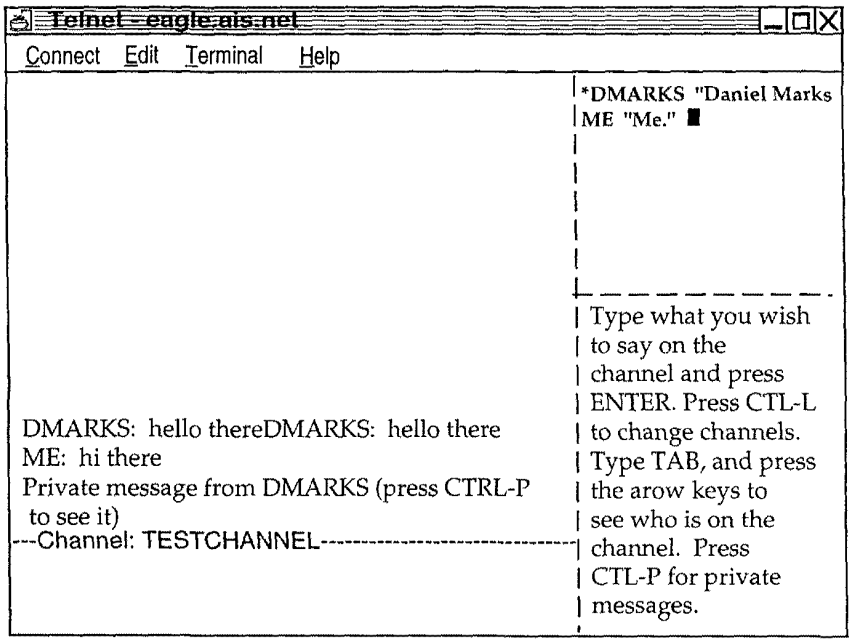

Telnet - eagle.ais.net
Connect Edit Terminal Help
DMARKS
ME
Hit TAB, and use the arrow keys to select the person you wish to send a private message to, and press ENTER. Then, type your private message and press enter ENTER. Type CTL-A for help
DMARKS: this message is seen by only the user ME
---Channel: TESTCHANNEL----------
This is the private message response that is only seen by the user DMARKS

FIG. 34



Petitioner Microsoft Corporation, Ex. 1002, p. 5856

I hereby certify that this correspondence is being filed by depositing it with the United States Postal Service pursuant to 37 CFR Section 1.10 on the date indicated below, in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below

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

Date 16 August 1996

PATENT

Paper No. 3

Our File No.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	08/617,658
Filed	:	April 1, 1996
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	
Examiner	:	

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

COMBINED DECLARATION AND POWER OF ATTORNEY

S I R :

I, the undersigned inventor, hereby respectfully declare that: my residence, address, and citizenship are as stated below; I believe that I am the original, first, and only inventor of the subject matter which is claimed and for which a patent is sought in the above-referenced specification; I have reviewed and understand the contents of the above-identified specification, including the claims; I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations § 1.56(a); and that all statements made on my own knowledge are true and all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements

BAKER & McKENZIE
ONE PRUDENTIAL PLAZA
130 EAST RANDOLPH DRIVE
CHICAGO, ILLINOIS 60601

(312) 861 8000

Petitioner Microsoft Corporation, Ex. 1002, p. 5857

and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint as my attorneys, with full powers of inspection, substitution, revocation, and power to appoint associate attorneys, Peter K. Trzyna (Reg. No. 32,601 and a member of the New York and Washington, DC bars), James G. Staples (Reg. No. 19,013), Philip J. Zadeik (Reg. No. 31,444), David I. Roche (Reg. No. 30,797), all of whom except Peter K. Trzyna are members of the Illinois bar, Peter K. Trzyna being a member of the bars of New York and Washington, D.C., and all at the Chicago office of the law firm of Baker & McKenzie, One Prudential Plaza, 130 East Randolph Drive, Chicago, Illinois 60601; (Reg. No 29, 186 and a member of the Texas bar) and John G. Flaim (Reg. No. 37,323 and a member of the New York, New Jersey and Texas bars), both of the Dallas office of the law firm of Baker & McKenzie, 4500 Trammell Crow Center, 2001 Ross Avenue, Dallas, Texas 75201; and Kevin M. O'Brien (Reg. No. 30,578 and a member of the Washington, DC bar), and Michael J. McKeon (Reg. No. 37,888), all of the Washington, DC office of the law firm of Baker & McKenzie, 815 Connecticut Avenue, N.W., Washington, DC 20006-4078.

Address all correspondence to Peter K. Trzyna, Baker & McKenzie, One Prudential Plaza, 130 East Randolph Drive, Chicago, Illinois 60601.

Address all telephone calls to Peter K. Trzyna at telephone number (312) 861-8010.

Petitioner Microsoft Corporation, Ex. 1002, p. 5858

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issued thereon.

Date: April 15, 1996

Daniel L. Marks

USA

Citizenship

3116 Mary Kay, Glenview, IL 60025

Residence and Post Office Address

Subscribed and sworn to before me

this 15th day of Aug 1996

at Skokie, County of Cook, State of Illinois.

Notary Public

[illegible]

Notary Public State of Illinois

[illegible]

H \PKT\CLIENTS\\AIS\HOLDER POA

1c408 U.S. PTO
09/399578
09/20/99

Subclass	ISSUE CLASSIFICATION
Class	

PATENT NUMBER

U.S. UTILITY PATENT APPLICATION

O.I.P.E.	PATENT DATE
SCANNED CG Q.A. CG	

SECTOR	CLASS	SUBCLASS	ART UNIT	EXAMINER
	709	202	2155	Winder Asta

FILED WITH: ☐ DISK (CRF) ☐ FICHE
(Attached in pocket on right inside flap)

PREPARED AND APPROVED FOR ISSUE

ISSUING CLASSIFICATION

ORIGINAL		CROSS REFERENCE(S)	
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)
INTERNATIONAL CLASSIFICATION			
			☐ Continued on Issue Slip Inside File Jacket

☒ TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.
☐ a) The term of this patent subsequent to _____ (date) has been disclaimed.	_____ (Assistant Examiner)		_____ (Date)	NOTICE OF ALLOWANCE MAILED	
☒ b) The term of this patent shall not extend beyond the expiration date of U.S Patent. No. 5,956,491	_____ (Primary Examiner)		_____ (Date)	ISSUE FEE	
				Amount Due	Date Paid
☐ c) The terminal ___ months of this patent have been disclaimed.	_____ (Legal Instruments Examiner)		_____ (Date)	ISSUE BATCH NUMBER	

WARNING:
The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form PTO-436A
(Rev. 6/98)

Best Available Copy

(LABEL AREA)

(FACE)

Best Available Copy

SEARCHED

Class	Sub.	Date	Exmr.
709	203	2-10-03	plw
	231	"	"
	204	"	"
709	316	2-10-03	plw
370	401	"	"
update	all	4-5-04	plw

INTERFERENCE SEARCHED

Class	Sub.	Date	Exmr.

SEARCH NOTES (INCLUDING SEARCH STRATEGY)

	Date	Exmr.
EAST US Patents PG Publications #1	2-8-03	plw
# 2, 3	2-9-03 2-10-03	plw
EAST US Patents PG Publications	4-5-04	plw

(RIGHT OUTSIDE)

ISSUE SLIP STAPLE AREA (for additional cross references)

POSITION	INITIALS	ID NO.	DATE
FEE DETERMINATION	KS		9/23/99
O.I.P.E. CLASSIFIER			9/30/99
FORMALITY REVIEW	DM	18223	10/28/99

INDEX OF CLAIMS

✔ ..... Rejected
= ..... Allowed
– (Through numeral)... Canceled
÷ ..... Restricted
N ..... Non-elected
I ..... Interference
A ..... Appeal
O ..... Objected

Claim Final	Claim Original	Date 2-10-03
	1	✔
	2	✔
	3	✔
	4	✔
	5	✔
	6	✔
	7	✔
	8	✔
	9	✔
	10	✔
	11	✔
	12	✔
	13	✔
	14	✔
	15	✔
	16	✔
	17	✔
	18	✔
	19	✔
	20	✔
	21	✔
	22	✔
	23	✔
	24	✔
	25	✔
	26	✔
	27	✔
	28	✔
	29	✔
	30	✔
	31	✔
	32	✔
	33	✔
	34	✔
	35	✔
	36	✔
	37	✔
	38	✔
	39	✔
	40	✔
	41	✔
	42	✔
	43	✔
	44	✔
	45	✔
	46	✔
	47	✔
	48	✔
	49	✔
	50	✔

Claim Final	Claim Original	Date 2-10-03
	51	✔
	52	✔
	53	✔
	54	✔
	55	✔
	56	✔
	57	✔
	58	✔
	59	✔
	60	✔
	61	✔
	62	✔
	63	✔
	64	✔
	65	✔
	66	✔
	67	✔
	68	✔
	69	✔
	70	✔
	71	✔
	72	✔
	73	✔
	74	✔
	75	✔
	76	✔
	77	✔
	78	✔
	79	✔
	80	✔
	81	✔
	82	✔
	83	✔
	84	✔
	85	✔
	86	✔
	87	✔
	88	✔
	89	✔
	90	✔
	91	✔
	92	✔
	93	✔
	94	✔
	95	✔
	96	✔
	97	✔
	98	✔
	99	✔
	100	✔

Claim Final	Claim Original	Date 2-10-03
	101	✔
	102	✔
	103	✔
	104	✔
	105	✔
	106	✔
	107	✔
	108	✔
	109	✔
	110	✔
	111	✔
	112	✔
	113	✔
	114	✔
	115	✔
	116	✔
	117	✔
	118	✔
	119	✔
	120	✔
	121	✔
	122	✔
	123	✔
	124	✔
	125	✔
	126	✔
	127	✔
	128	✔
	129	✔
	130	✔
	131	✔
	132	✔
	133	✔
	134	✔
	135	✔
	136	✔
	137	✔
	138	✔
	139	✔
	140	✔
	141	✔
	142	✔
	143	✔
	144	✔
	145	✔
	146	✔
	147	✔
	148	✔
	149	✔
	150	✔

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)

Best Available Copy

Best Available Copy

●	Rejected	N	Non-elected
=	Allowed	I	Interference
—	(Through numeral)... Canceled	A	Appeal
÷	Restricted	◐	Objected

Claim Final	Claim Original	Date 2-10-03
15	1	✓
15	2	✓
15	3	✓
15	4	✓
15	5	✓
15	6	✓
15	7	✓
15	8	✓
15	9	✓
16	0	✓
16	1	✓
16	2	✓
16	3	✓
16	4	✓
16	5	✓
16	6	✓
16	7	✓
16	8	✓
16	9	✓
17	0	✓
17	1	✓
17	2	✓
17	3	✓
17	4	✓
17	5	✓
17	6	✓
17	7	✓
17	8	
17	9	
18	0	
18	1	
18	2	
18	3	
18	4	
18	5	
18	6	
18	7	
18	8	
19	9	
19	0	
19	1	
19	2	
19	3	
19	4	
19	5	
19	6	
19	7	
19	8	
19	9	
20	0	

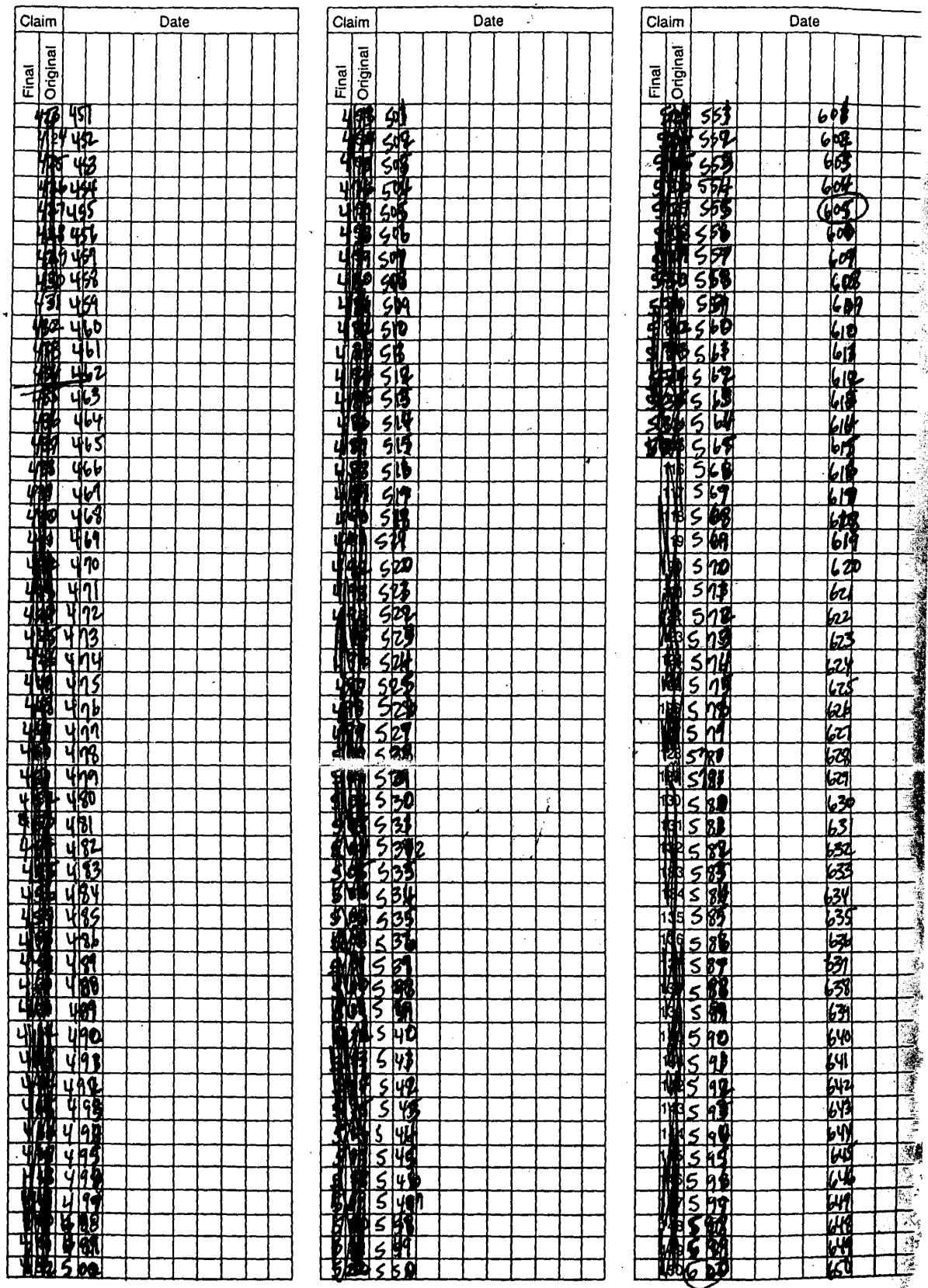
Claim Final	Claim Original	Date
201		
202		
203		
204		
205		
206		
207		
208		
209		
210		
211		
212		
213		
214		
215		
216		
217		
218		
219		
220		
221		
222		
223		
224		
225		
226		
227		
228		
229		
230		
231		
232		
233		
234		
235		
236		
237		
238		
239		
240		
241		
242		
243		
244		
245		
246		
247		
248		
249		
250		

Claim Final	Claim Original	Date			
251	301	351	393	401
252	302	352	394	402
253	303	353	395	403
254	304	354	396	404
255	305	355	397	405
256	306	356	398	406
257	307	357	399	407
258	308	358	400	408
259	309	359	401	409
260	310	360	402	410
261	311	361	403	411
262	312	362	404	412
263	313	363	405	413
264	314	364	406	414
265	315	365	407	415
266	316	366	408	416
267	317	367	409	417
268	318	368	410	418
269	319	369	411	419
270	320	370	412	420
271	321	371	413	421
272	322	372	414	422
273	323	373	415	423
274	324	374	416	424
275	325	375	417	425
276	326	376	418	426
277	327	377	419	427
278	328	378	420	428
279	329	379	421	429
280	330	380	422	430
281	331	381	423	431
282	332	382	424	432
283	333	383	425	433
284	334	384	426	434
285	335	385	427	435
286	336	386	428	436
287	337	387	429	437
288	338	388	430	438
289	339	389	431	439
290	340	390	432	440
291	341	391	433	441
292	342	392	434	442
293	343	393	435	443
294	344	394	436	444
295	345	395	437	445
296	346	396	438	446
297	347	397	439	447
298	348	398	440	448
299	349	399	441	449
300	350	400	442	450

total claim 177
[illegible] claim [illegible] dup.

If more than 150 claims or 10 action

= ..... Allowed
— (Through numeral)... Canceled
÷ ..... Restricted
I ..... Interference
A ..... Appeal
O ..... Objected



If more than 150 claims or 10 actions staple additional sheet here

Best Available Copy

= ..... Allowed
— (Through numeral)... Canceled
÷ ..... Restricted
I ..... Interference
A ..... Appeal
O ..... Objected

Claim		Date
Final	Original	
	651	
	652	
	653	
	654	
	655	
	656	
	657	
	658	
	659	
	660	
	661	
	662	
	663	
	664	
	665	
	666	
	667	
	668	
	669	
	670	
	671	
	672	
	673	
	674	
	675	
	676	
	677	
	678	
	679	
	680	
	681	
	682	
	683	
	684	
	685	
	686	
	687	
	688	
	689	
	690	
	691	
	692	
	693	
	694	
	695	
	696	
	697	
	698	
	699	
	700	

Claim		Date
Final	Original	
	701	
	702	
	703	
	704	
	705	
	706	
	707	
	708	
	709	
	710	
	711	
	712	
	713	
	714	
	715	
	716	
	717	
	718	
	719	
	720	
	721	
	722	
	723	
	724	
	725	
	726	
	727	
	728	
	729	
	730	
	731	
	732	
	733	
	734	
	735	
	736	
	737	
	738	
	739	
	740	
	741	
	742	
	743	
	744	
	745	
	746	
	747	
	748	
	749	
	750	

Claim		Date
Final	Original	
	751	
	752	
	753	
	754	
	755	
	756	
	757	
	758	
	759	
	760	
	761	
	762	
	763	
	764	
	765	
	766	
	767	
	768	
	769	
	770	
	771	
	772	
	773	
	774	
	775	
	776	
	777	
	778	
	779	
	780	
	781	
	782	
	783	
	784	
	785	
	786	
	787	
	788	
	789	
	790	
	791	
	792	
	793	
	794	
	795	
	796	
	797	
	798	
	799	
	800	

If more than 150 claims or 10 actions staple additional sheet here

Best Available Copy

— (Through numeral)... Canceled
÷ ..... Restricted
A ..... Appeal
O ..... Objected

Claim Final	Claim Original	Date
	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	
	13	
	14	
	15	
	16	
	17	
	18	
	19	
	20	
	21	
	22	
	23	
	24	
	25	
	26	
	27	
	28	
	29	
	30	
	31	
	32	
	33	
	34	
	35	
	36	
	37	
	38	
	39	
	40	
	41	
	42	
	43	
	44	
	45	
	46	
	47	
	48	
	49	
	50	

Claim Final	Claim Original	Date
	51	
	52	
	53	
	54	
	55	
	56	
	57	
	58	
	59	
	60	
	61	
	62	
	63	
	64	
	65	
	66	
	67	
	68	
	69	
	70	
	71	
	72	
	73	
	74	
	75	
	76	
	77	
	78	
	79	
	80	
	81	
	82	
	83	
	84	
	85	
	86	
	87	
	88	
	89	
	90	
	91	
	92	
	93	
	94	
	95	
	96	
	97	
	98	
	99	
	100	

Claim Final	Claim Original	Date
	01	
	02	
	03	
	04	
	05	
	06	
	07	
	08	
	09	
	10	
	11	
	12	
	13	
	14	
	15	
	16	
	17	
	18	
	19	
	20	
	21	
	22	
	23	
	24	
	25	
	26	
	27	
	28	
	29	
	30	
	31	
	32	
	33	
	34	
	35	
	36	
	37	
	38	
	39	
	40	
	41	
	42	
	43	
	44	
	45	
	46	
	47	
	48	
	49	
	50	

If more than 150 claims or 10 actions staple additional sheet here

Best Available Copy

jc688 U.S. PTO
09/20/99

"Express Mail" mailing label nu[redacted]EI872721622US
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date set forth below:

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

Date: 20 Sept 1999

PATE[redacted]

Paper No.

Our File No. AIS-P99-1

jc408 U.S. PTO
09/399578
09/20/99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	
Filed	:	
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	
Examiner	:	

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

TRANSMITAL LETTER

S I R :

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

1. Original Patent Application, including 41 pages of specification with at least one claim, plus 22 Sheets of Drawings, Figs.1-34, plus 3 sheets of microfiche appendix code;
2. Preliminary Amendment;
3. Declaration and Power of Attorney; and
4. Notice of Change of Address.

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: 20 Sept 1999

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

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

"Express Mail" mailing label number EI872721622US
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date set forth below:

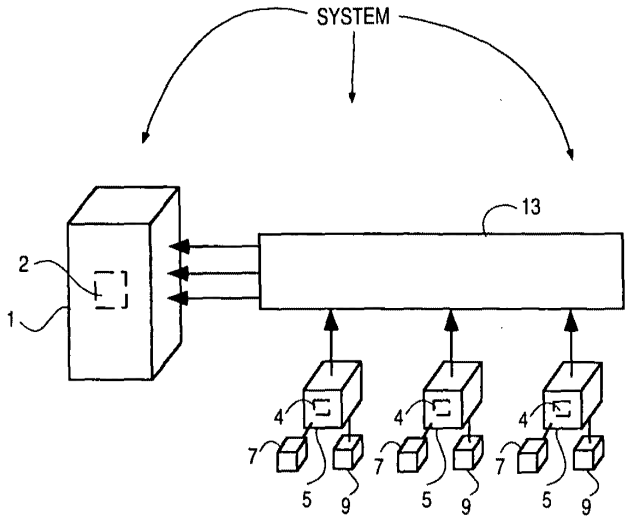
Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

Date: 20 Sept 1999

Petitioner Microsoft Corporation, Ex. 1002, p. 5869

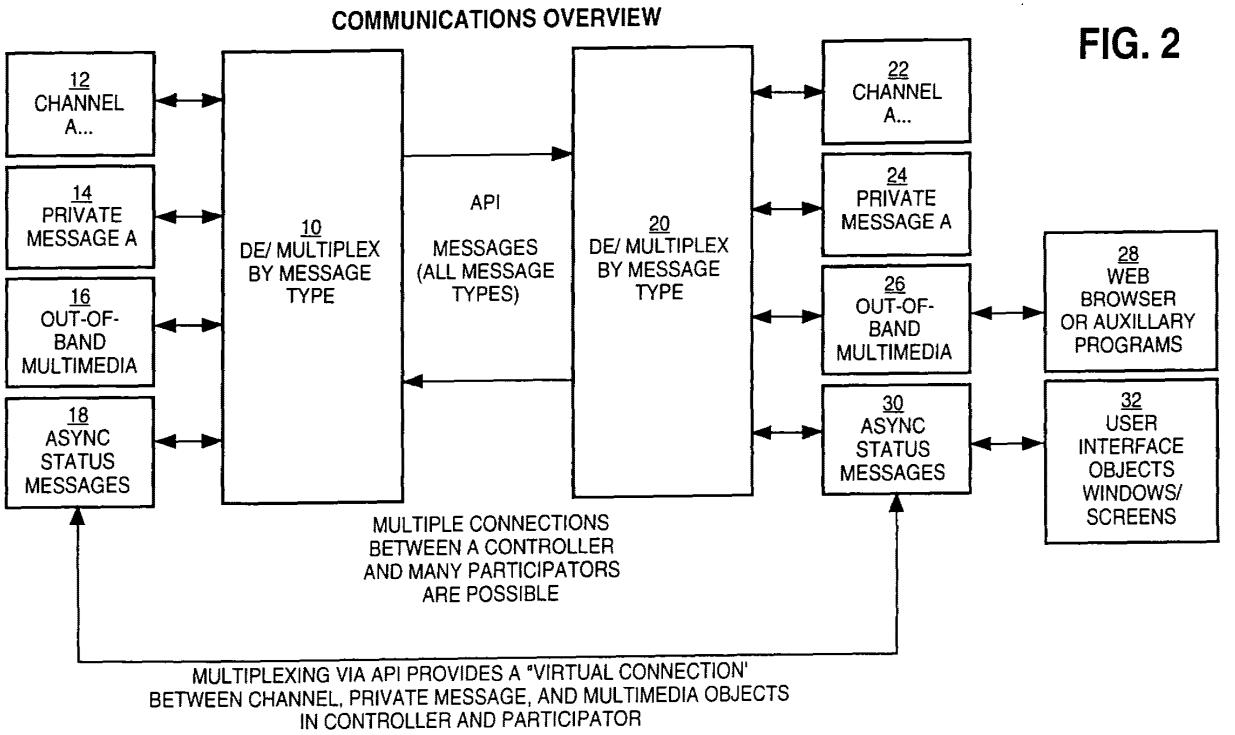
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 1



APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

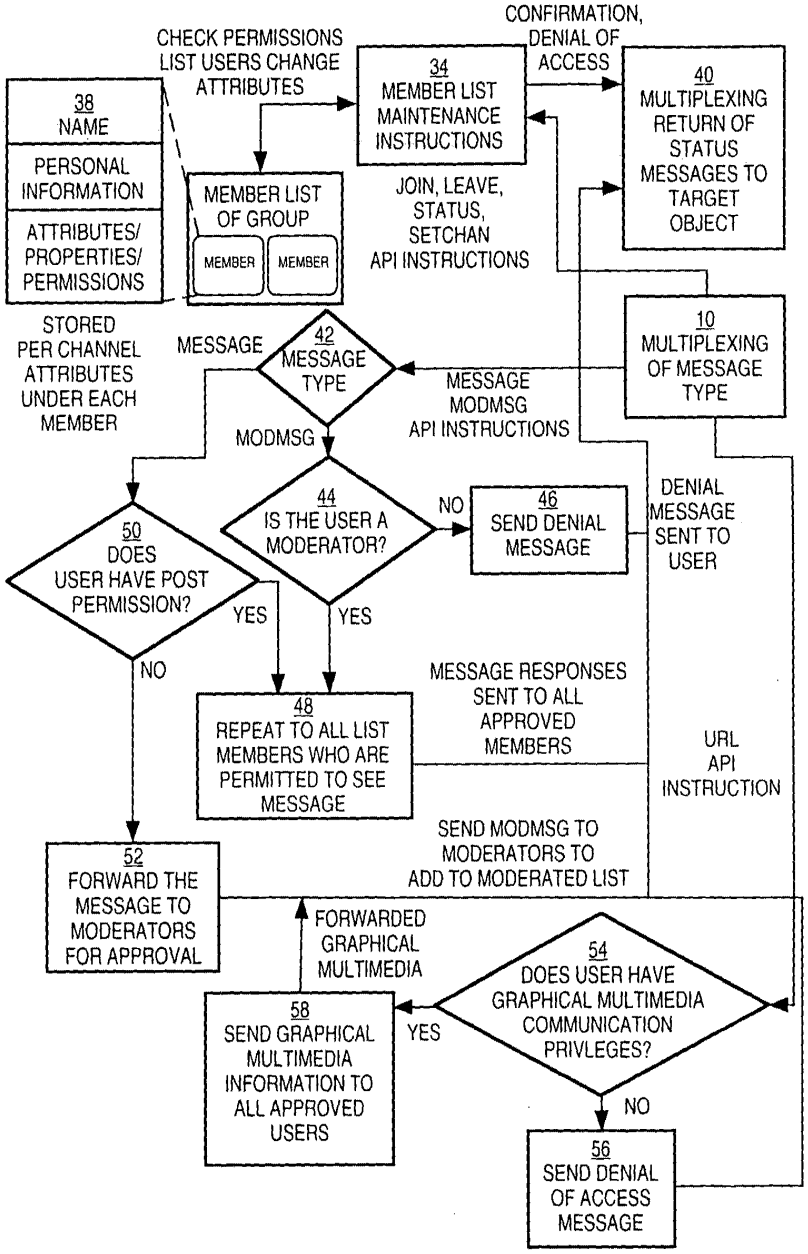
FIG. 2



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 3

DATA AND COMMUNICATIONS DEPENDENCY DIAGRAM CONTROLLER GROUP CHANNEL STRUCTURE

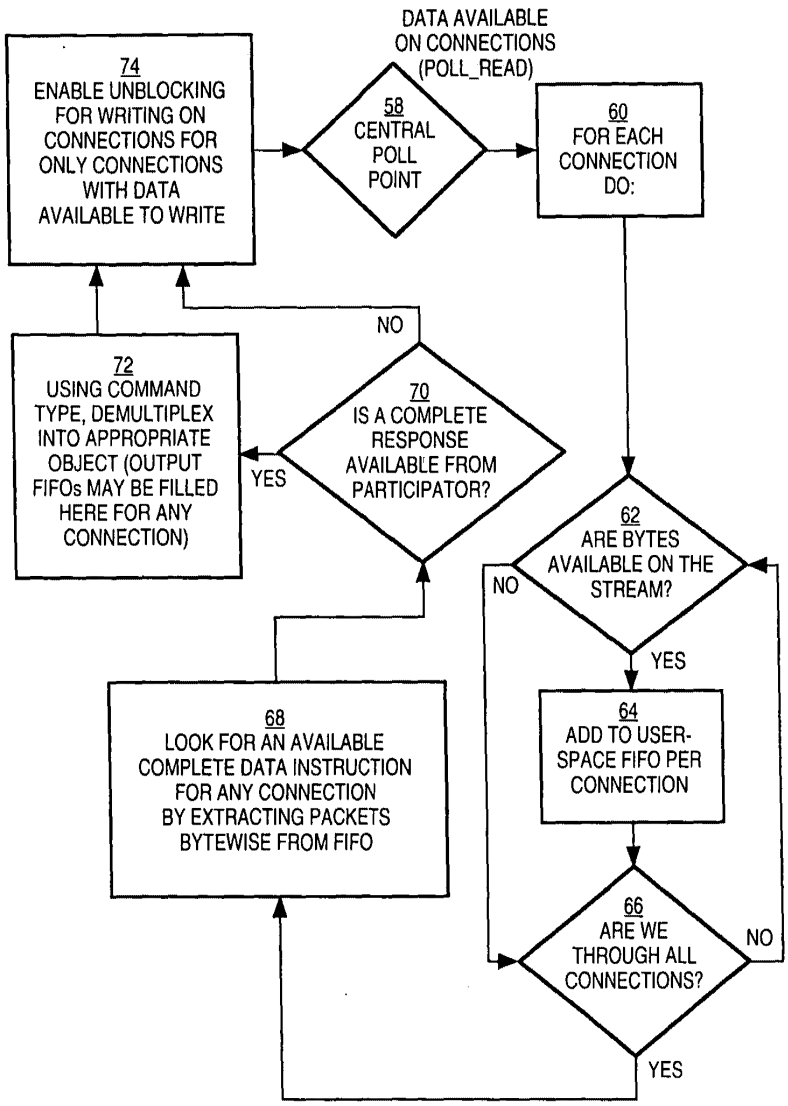


6,226,649 B1 5,956,716 6,006,227

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 4

CENTRAL CONTROLLER LOOP COMMUNICATIONS

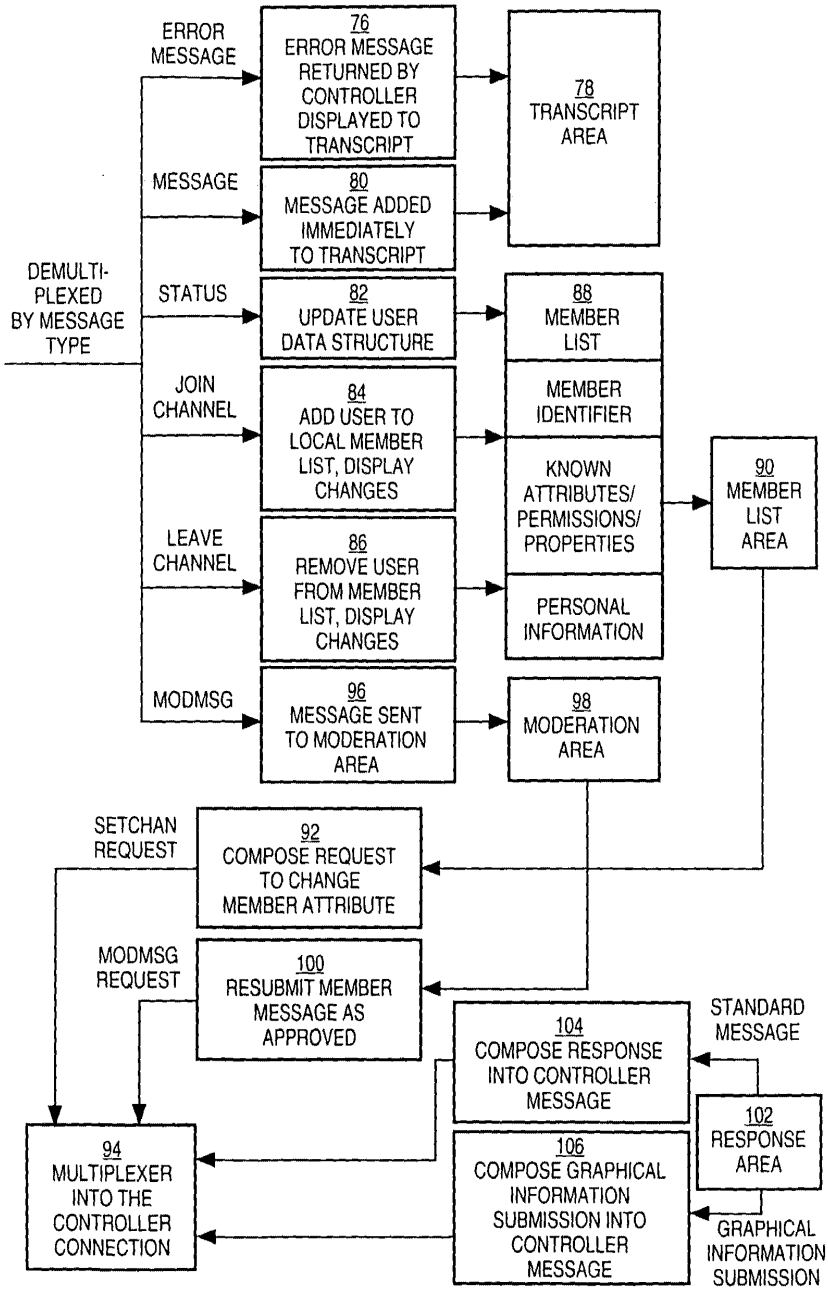


6,026,452

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

FIG. 5

CLIENT CHANNEL DATA STRUCTURE AND INFORMATION FLOW DIAGRAM

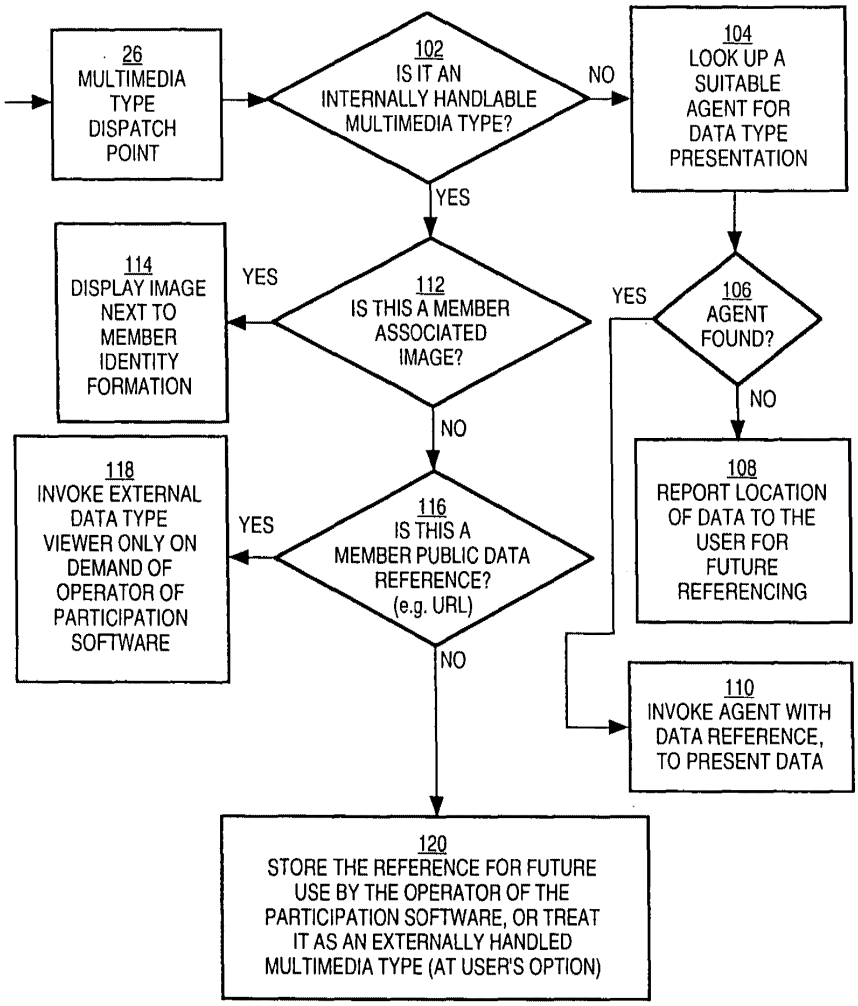


6,006,253

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

FIG. 6

PARTICIPATION SOFTWARE OUT-OF-BAND MULTIMEDIA
OUT-OF-BAND MULTIMEDIA INFORMATION FLOW DIAGRAM



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 7

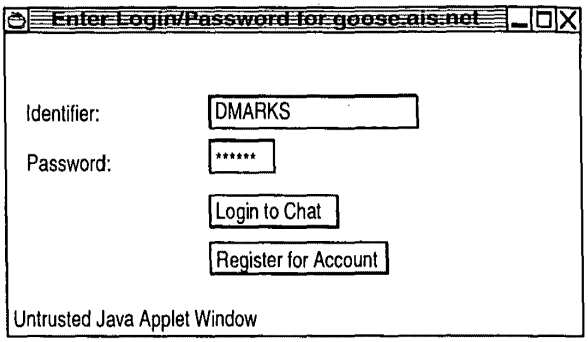
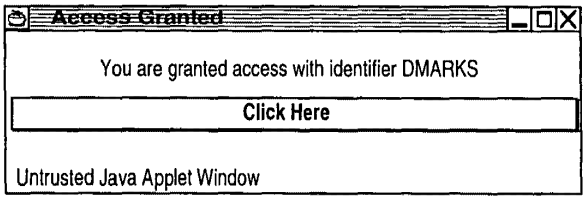


FIG. 8



Petitioner Microsoft Corporation, Ex. 1002, p. 5876

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

FIG. 9

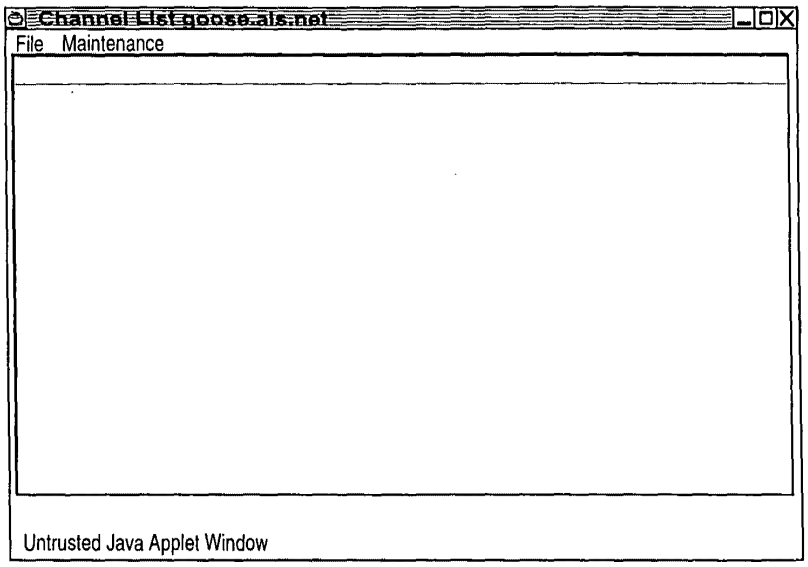
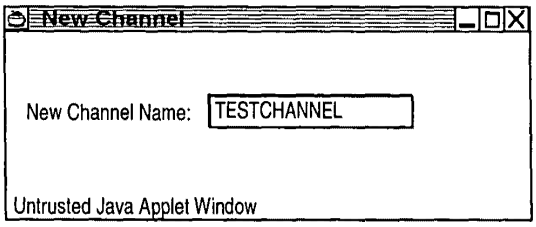


FIG. 10



Petitioner Microsoft Corporation, Ex. 1002, p. 5877

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

FIG. 11

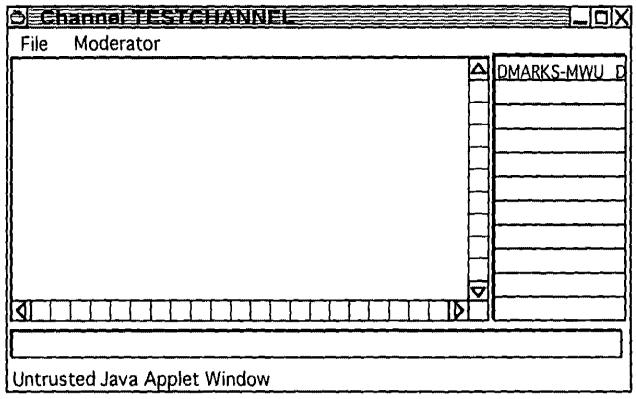
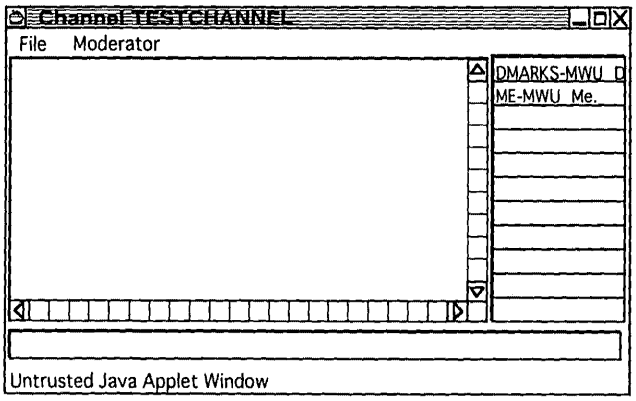


FIG. 12



Petitioner Microsoft Corporation, Ex. 1002, p. 5878

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 13

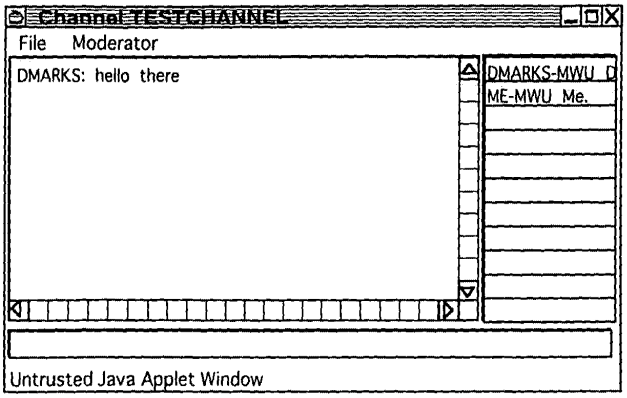
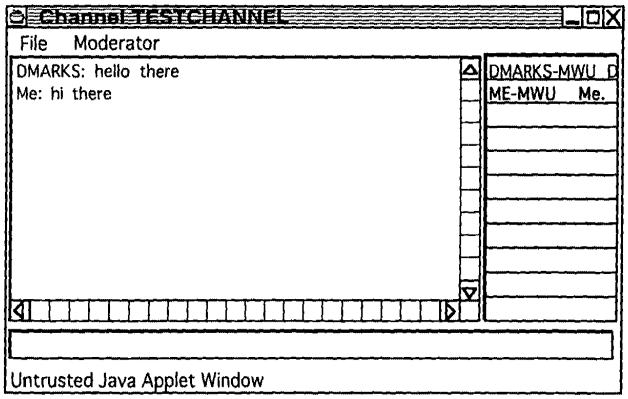


FIG. 14



Petitioner Microsoft Corporation, Ex. 1002, p. 5879

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 15

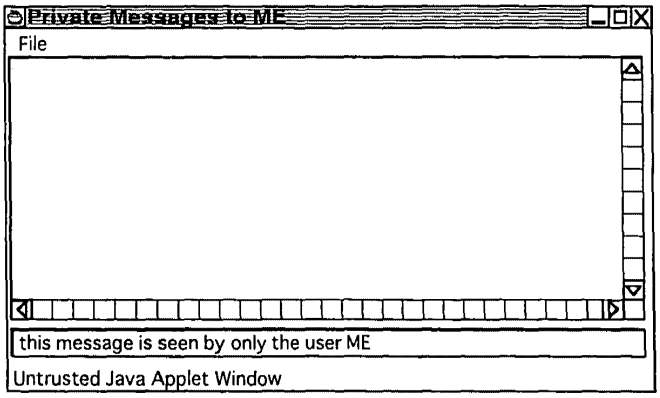
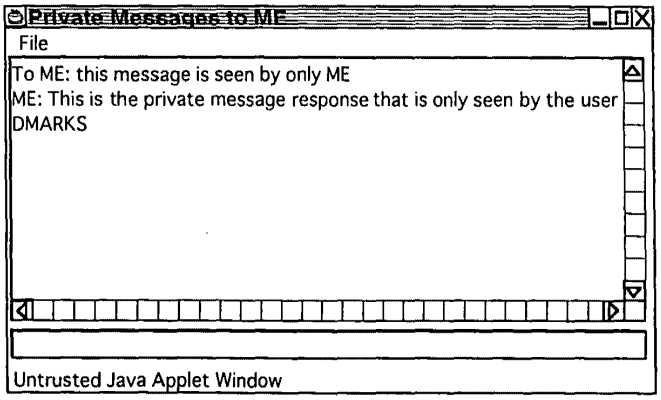


FIG. 16



Petitioner Microsoft Corporation, Ex. 1002, p. 5880

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

FIG. 17

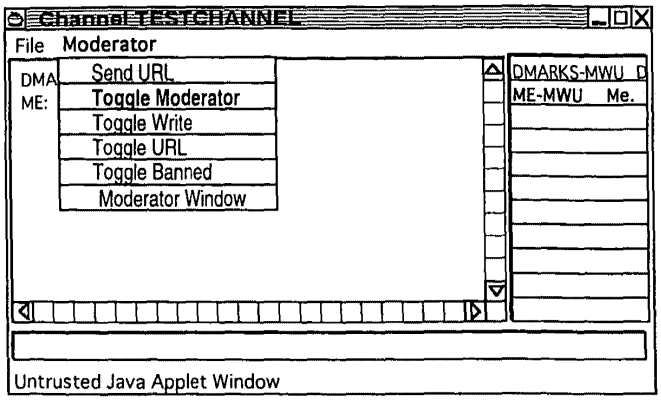
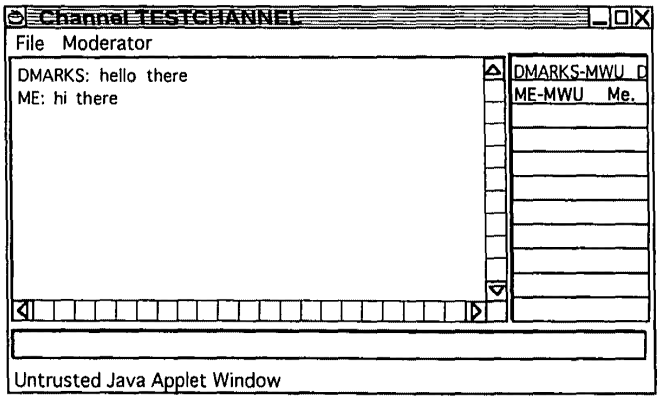


FIG. 18



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 19

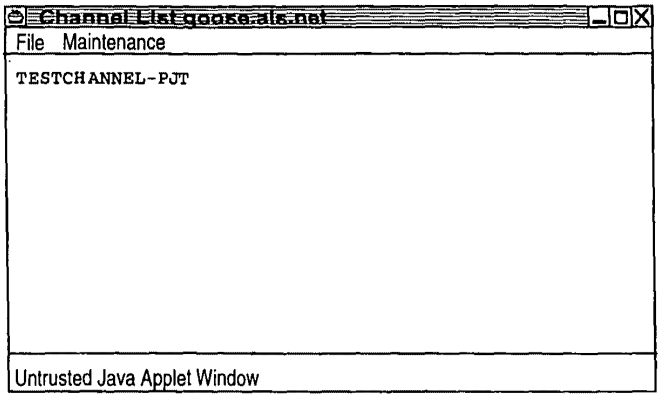
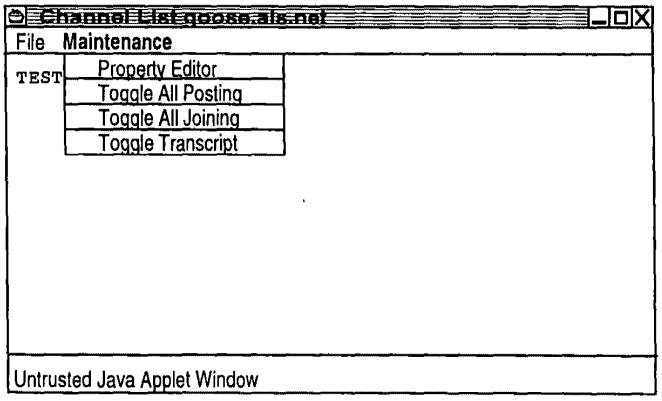
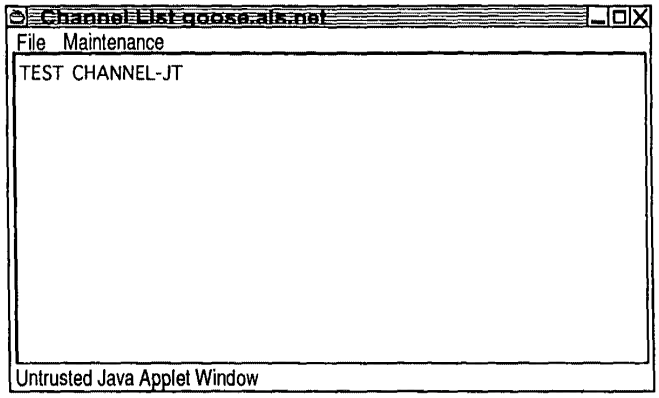


FIG. 20



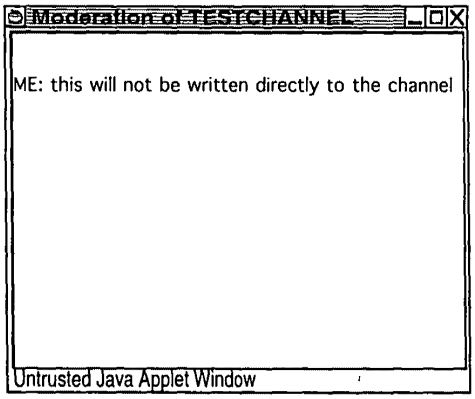
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 21



6,020,885

FIG. 22



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 23

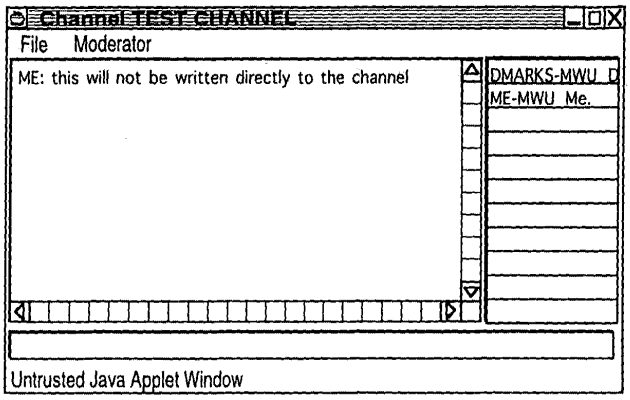
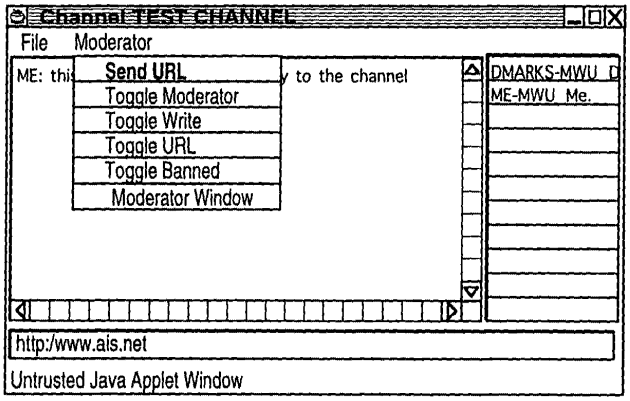


FIG. 24



Petitioner Microsoft Corporation, Ex. 1002, p. 5884

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 25

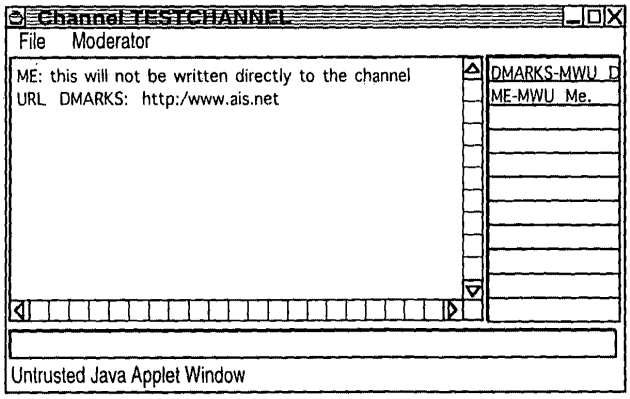
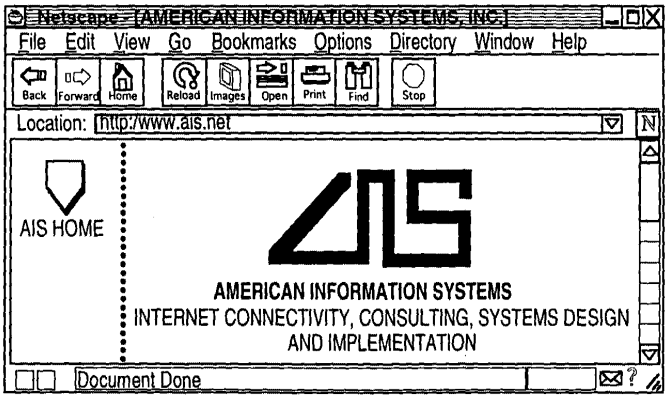


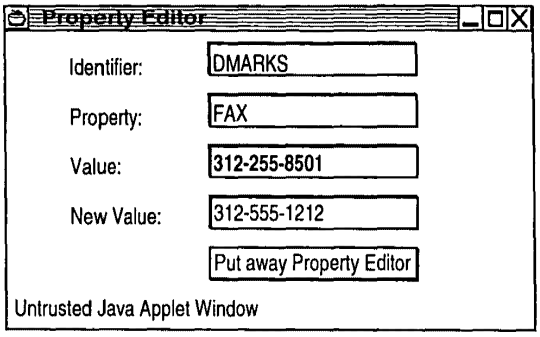
FIG. 26



Petitioner Microsoft Corporation, Ex. 1002, p. 5885

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

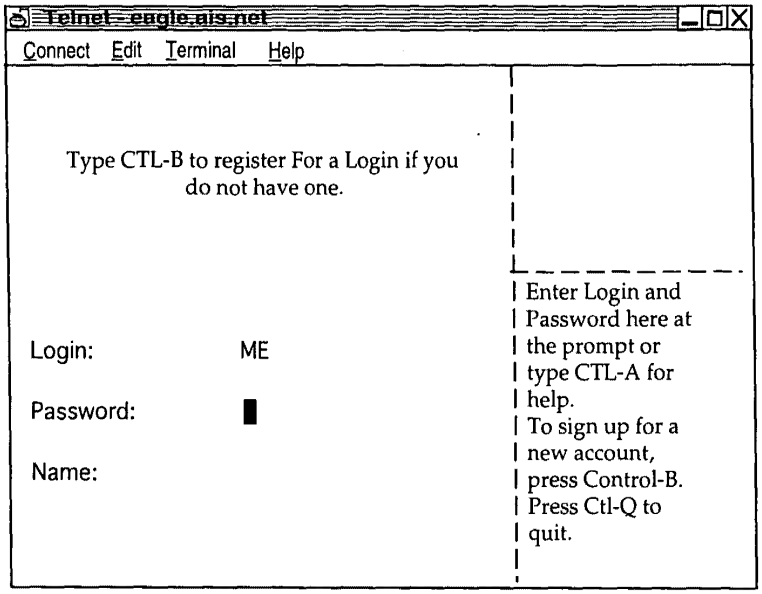
FIG. 27



Petitioner Microsoft Corporation, Ex. 1002, p. 5886

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 28



Petitioner Microsoft Corporation, Ex. 1002, p. 5887

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 29

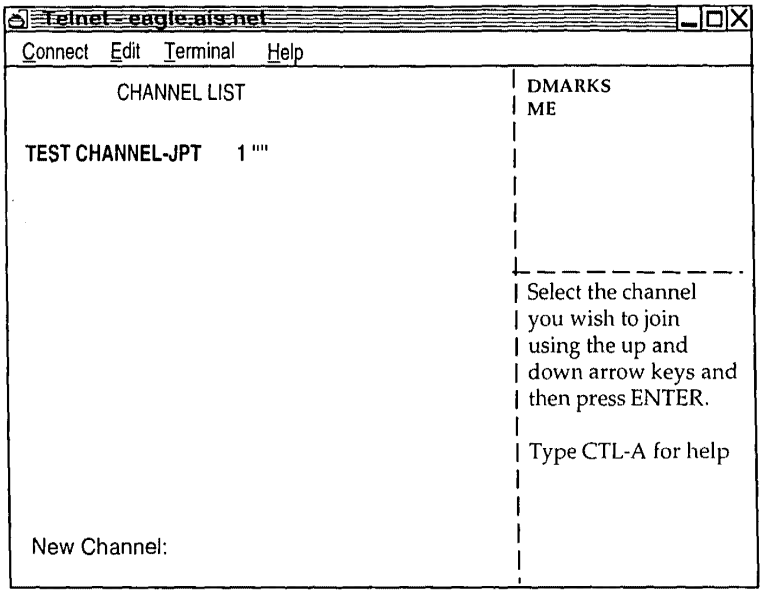
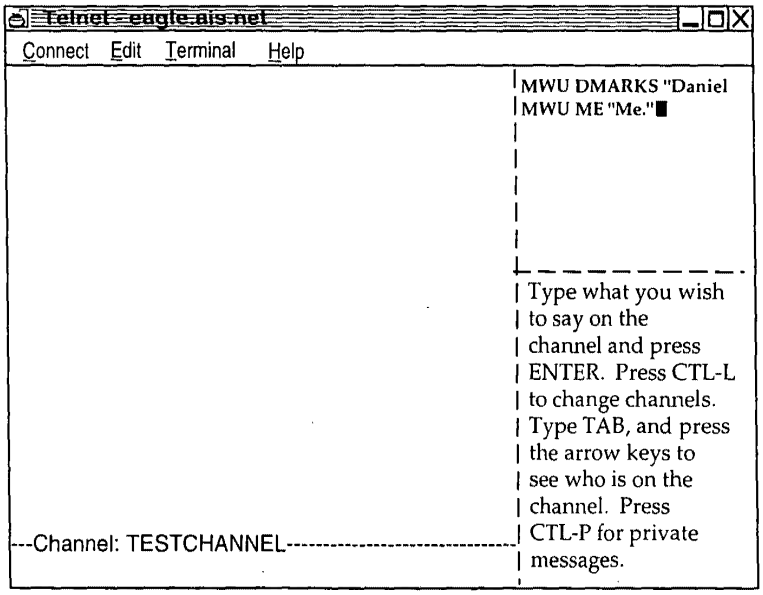
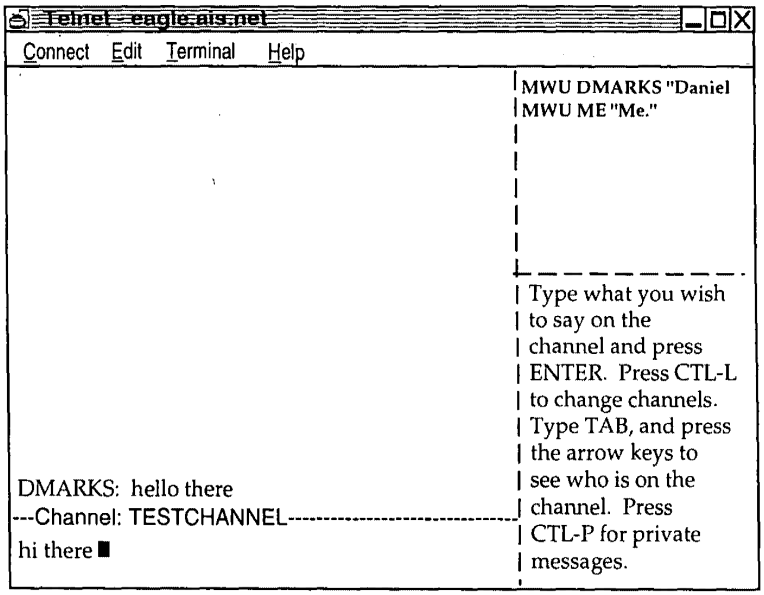


FIG. 30



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 31



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 32

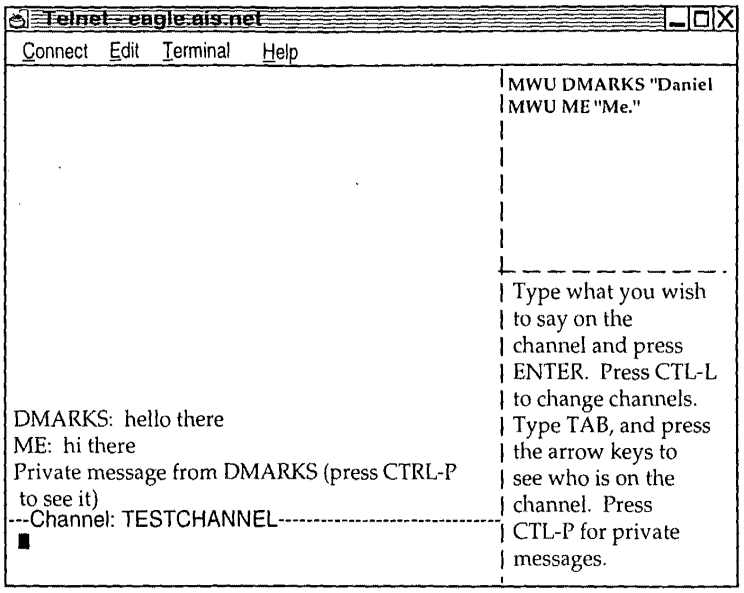
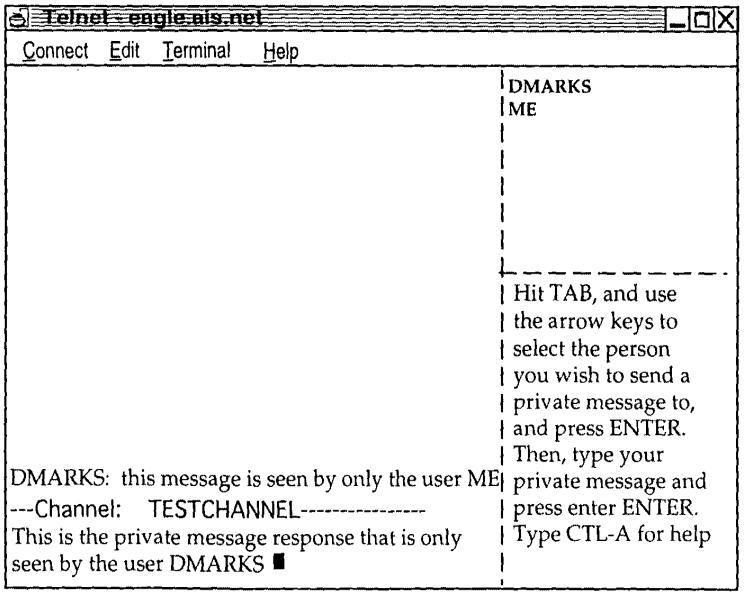


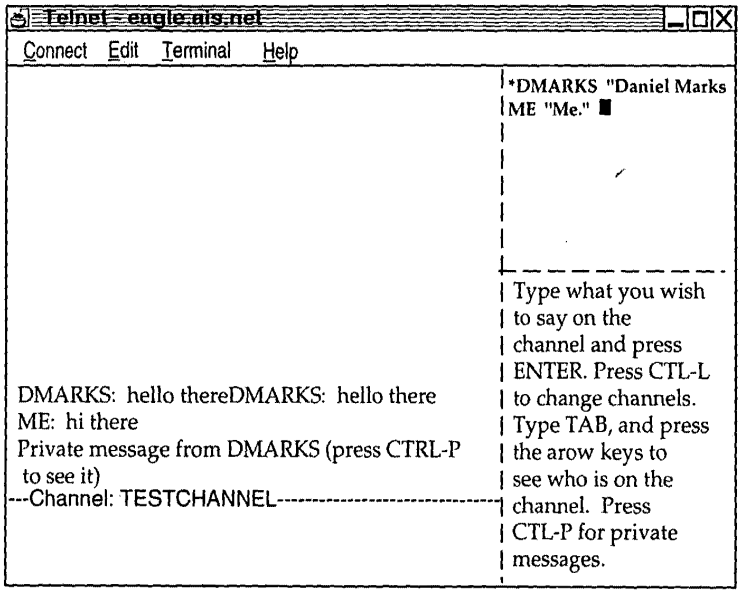
FIG. 33



Petitioner Microsoft Corporation, Ex. 1002, p. 5890

APPROVED | O.G. FIG.
BY | CLASS | SUBCLASS
DRAFTSMAN

FIG. 34



Petitioner Microsoft Corporation, Ex. 1002, p. 5891

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images, please do not report the images to the Image Problem Mailbox.

EI872721622US

"Express Mail" mailing label number ~~EI884747398US~~. I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on April 1, 1996.

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

Date 20 Sept 1999

PATENT

Paper No. 1

Our File No.

Group Communications Multiplexing System

Daniel L. Marks

Petitioner Microsoft Corporation, Ex. 1002, p. 5893

INSAI

I. FIELD OF INVENTION

This invention is 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.

II. BACKGROUND OF THE INVENTION

Multiplexing group communications among computers ranges from very simple to very complex communications systems. At a simple level, group communications among computers ~~involves~~ involve electronic mail sent in a one way transmission to all those in a group or subgroup using, say, a local area network. Arbitrating which computers receive electronic mail is a rather well understood undertaking.

On a more complex level, corporations may link remote offices to have a conference by computer. A central computer can control the multiplexing of what appears as an electronic equivalent to a discussion involving many individuals.

Even more complex is linking of computers to communicate in what has become known as a "chat room." Chat room communications can be mere text, such as that offered locally on a file server, or can involve graphics and certain multimedia capability, as exemplified by such Internet service providers as America On Line. Multiplexing in multimedia is more complex for this electronic environment.

On the Internet, "chat room" communications analogous to America On Line have not been developed, at least in part because Internet was structured for one-way communications analogous to electronic mail, rather than for real time group chat room communications. Further, unlike the an Internet service provider, which has control over both the hardware platform and the computer program running on the platform to create

the "chat room", there is no particular control over the platform that would be encountered on the Internet. Therefore, development of multiplexing technology for such an environment has been minimal.

Even with an emergence of the World Wide Web, which does have certain graphical multimedia capability, sophisticated chat room communication multiplexing has been the domain of the Internet service providers. Users therefore have a choice between the limited audience of a particular Internet Service provider or the limited chat capability of the Internet.

III. SUMMARY OF THE INVENTION

It is an object of the present invention to overcome such limitations of the prior art and to advance and improve the technology of group computer multiplexing to enable better computerized group communications.

It is another object of the present invention to provide a computerized human communication arbitrating and distributing system.

It is yet another object of the present invention to provide a group communication multiplexing system involving a controller digital computer linked to a plurality of participator computers to organize communications by groups of the participator computers.

It is still another object of the present invention to link the controller computer and the plurality of computers with respective software coordinated to arbitrate multiplexing activities.

It is still a further object of the present invention to provide a chat capability suitable for handling graphical, textual, and multimedia information in a platform independent manner.

These and other objects and utilities of the invention, which apparent from the discussion herein, are addressed by a computerized human communication arbitrating

Petitioner Microsoft Corporation, Ex. 1002, p. 5895

and distributing system. The system includes a controller digital electrical computer and a plurality of participator digital computers, each of the participator computers including an input device for receiving human-input information and an output device for presenting information to a user having a user identity. A connection such as the Internet links the controller computer with each of the participator computers.

Controller software runs on the controller computer, programming the controller computer to arbitrate in accordance with predefined rules including said user identity, which ones of the participator computers can interact in one of a plurality of groups communicating through the controller computer and to distribute real time data to the respective ones of the groups.

Participator software runs on each of the participator computers to program each of the participator computers to operate a user interface. The user interface permits one of the users to send and/or receive a multimedia information message to the controller computer, which arbitrates which of the participator computers receives the multimedia information message. The controller computer also conveys the multimedia information message to the selected participator computers to present the multimedia information to the respective user.

Therefore, for a computer system involving a plurality of programmed participator computers running the participator computer program can interact through a programmed controller computer with the controller computer multiplexing the communications for groups formed from the plurality, as well as arbitrating communications behavior.

IV. BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a depiction of hardware suitable for performing the present invention;

FIG. 2 is a communications overview of the present invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5896

FIG. 3 is a data and communications dependency diagram for the controller group channel structure of the present invention.

FIG. 4 is a flow chart of the central controller loop communications for the controller computer.

FIG. 5 is a client channel data structure and information flow diagram of the present invention.

FIG. 6 is a participator software out-of-band multimedia information flow diagram of the present invention.

FIG. 7 is an illustration of a login/password screen of the present invention.

FIG. 8 is an illustration of a confirmation screen of the present invention.

FIG. 9 is an illustration of a channel list area screen of the present invention.

FIG. 10 is an illustration of a New Channel option pull-down menu screen of the present invention.

FIG. 11 is an illustration of a member on a new channel screen of the present invention.

FIG. 12 is an illustration of a second member on the new channel screen of the present invention.

FIG. 13 is an illustration of a communication on the new channel screen of the present invention.

FIG. 14 is an illustration of a private message window on the new channel screen of the present invention.

FIG. 15 is an illustration of a private message displayed on the private message window on the new channel screen of the present invention.

FIG. 16 is a further illustration of the private message on the private message window on new channel screen of the present invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5897

FIG. 17 is an illustration of an attribute revocation on the new channel screen of the present invention.

FIG. 18 is a further illustration of the new channel screen of the present invention.

FIG. 19 is an illustration of the channel list window screen of the present invention.

FIG. 20 is an illustration of the toggle posting option on a screen of the present invention.

FIG. 21 is an illustration of a moderated version of the new channel screen of the present invention.

FIG. 22 is an illustration of a communication on a moderation window screen of the present invention.

FIG. 23 is an illustration of the communication passed on to the moderated version of the new channel screen of the present invention.

FIG. 24 is an illustration of a communication, for sending a graphical multimedia message, on to the moderated version of the new channel screen of the present invention

FIG. 25 is an illustration of a communication, for passing a URL (Uniform Resource Locator) to channel members, on a moderator pull-down menu screen of the present invention.

FIG. 25 is an illustration, showing the name of the URL, on a moderated version of the new channel screen of the present invention.

FIG. 26 is an illustration of data associated with the graphical multimedia message on a moderated version of the new channel screen of the present invention.

FIG. 27 is an illustration of a proprietary editor, suitable for a dialog to change tokens, on a screen of the present invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5898

FIG. 28 is an illustration of a text-based interface login/password screen of the present invention.

FIG. 29 is an illustration of a text-based interface group screen of the present invention.

FIG. 30 is another illustration of a text-based interface group screen of the present invention.

FIG. 31 is another illustration of a text-based interface group screen of the present invention.

FIG. 32 is an illustration of a text-based interface private message screen of the present invention.

FIG. 33 is another illustration of a text-based interface private message screen of the present invention.

FIG. 34 is another illustration of a text-based interface group with moderator screen of the present invention.

V. DETAILED DESCRIPTION OF THE DRAWINGS

In providing a detailed description of a preferred embodiment of the present invention, reference is made to an appendix hereto, including the following items.

Appendix Contents

ALLUSER C
ALLUSER H
CHANNEL C
CHANNEL H
CHANNEL HLP
CLIST C
CLIST H
CLIST HLP
EDITUSER C
EDITUSER H
ENTRYFRM C
ENTRYFRM H
ENTRYFRM HLP
HELP C

Petitioner Microsoft Corporation, Ex. 1002, p. 5899

HELP H
HELPSCR C
HELPSCR H
LINEEDIT C
LINEEDIT H
LIST C
LIST H
LOGIN HLP
MAIN C
MAKEFILE
MESSAGE C
MESSAGE H
MODERAT HLP
PRIVATE C
PRIVATE H
PRIVATE HLP
SOCKIO C
SOCKIO H
STR C
STR H
UCCLIENT
USER C
USER H
WINDOW C
WINDOW H

Note ~~that the appendix includes code for two different embodiments: a Tellnet embodiment and a JAVA embodiment.~~ Documentation and error messages, ~~help files, log files,~~ are ~~also included in the appendix~~. While platform controlled embodiments are within the scope of the invention, it is particularly advantageous to have a platform independent embodiment, i.e., an embodiment that is byte code compiled.

Referring now to FIG. 1, the overall functioning of a computerized human communication arbitrating and distributing System 1 of the present invention is shown with odd numbers designating hardware or programmed hardware, and even numbers designating computer program logic and data flow. The System 1 includes a digital Controller Computer 3, such as an Internet service provider-type computer. The Controller Computer 3 is operating with an operating system.

System 1 also includes a plurality of digital Participator Computers 5, each of which may be an IBM-compatible personal computer with a processor and a DOS operating system. Each of the Participator Computers 5 includes an Input Device 7 for

Petitioner Microsoft Corporation, Ex. 1002, p. 5900

receiving human-input information from a respective human user. The Input Device 7 can be, for example, a keyboard, mouse or the like. Each of the Participator Computers 5 also includes an Output Device 9 for presenting information to the respective user. The Output Device 9 can be a monitor, printer (such as a dot-matrix or laser printer), or preferably both are used. Each of the Participator Computers 5 also includes a Memory 11, such as a disk storage means.

The System 1 includes a Connection 13 located between, so as to link, the Controller Computer 3 with each of the Participator Computers 5. The Connection 13 can be an Internet or more particularly, a World Wide Web connection.

The Controller Computer 3 is running and under the control of Controller Software 2, which directs the Controller Computer 3 to arbitrate in accordance with predefined rules including a user identity, which ones of the Participator Computers 5 can interact in one of a plurality of groups through the Controller Computer 3 and to distribute real time data to the respective ones of the groups.

The Participator Computers 5 are each running and under the control of Participator Software 4, which directs each of the Participator Computers 5 to handle a user Interface 6 permitting one said user to send a multimedia information Message 8 to the Controller Computer 3, which arbitrates which of the Participator Computers 5 receives the multimedia information Message 8 and which conveys the multimedia information Message 8 to the selected participator computers 5 to present the multimedia information Message 8 to the respective user.

The present invention comprehends communicating all electrically communicable multimedia information as Message 8, by such means as pointers, for example, URLs. URLs can point to pre-stored audio and video communications, which the Controller Computer 3 can fetch and communicate to the Participator Computers 5.

Turning now to FIG. 2, there is shown a communications overview of the present invention. Beginning with the Controller Computer Software 2, reference is made

Petitioner Microsoft Corporation, Ex. 1002, p. 5901

to Block 10, which illustrates demultiplexing and multiplexing operations carried out by message type on API messages of all types. Block 10 links to Block 12, which is illustrative of channel A.... Block 10 also links to Block 14, which illustrates handling private message A. Block 10 also links to Block 16, illustrative of handling out-of-band media. Block 10 additionally links to Block 18, which illustrates asynchronous status messages.

Multiple connections between the controller computer 3 and a plurality of participator computers 5 permit communication implemented via the interplay of controller software 2 and participator software 4. With particular regard to the participator software 4 illustrated in FIG. 2, Block 20 is illustrative of demultiplexing and multiplexing operations carried out by message type on API messages of all types. Block 20 links to Block 22, which is illustrative of channel A.... Block 20 also links to Block 24, which illustrates handling private message A. Block 20 also links to Block 26, illustrative of handling out-of-band media via Block 28, which is illustrative of a Web browser or auxiliary computer program. Block 20 also links to Block 30, which illustrates asynchronous status message handling via Block 32, illustrative of user interface objects windows and screens.

De/multiplexing via API provides a "virtual connection" between Channel, Private Message, and Multimedia objects in the controller computer 3 and each participator computer 5. An alternate architecture is to allow for a separate connection between each object so that multiplexing/demultiplexing is not necessary and each object handles its own connection. This would influence system performance, however.

Turning now to FIG. 3, a data and communications dependency diagram controller group channel structure is illustrated. Beginning from what is designated as a portion of Block 10 the logic flows to Block 34 to consider JOIN, LEAVE, STATUS, SETCHAN API instructions. Block 34 examines member list maintenance instructions, accessing Block 36 to check permissions, list users, and change attributes. Note the

Petitioner Microsoft Corporation, Ex. 1002, p. 5902

exploded window 38 shows a display of member information including a user's name, personal information, and attributes/properties/permissions (operations involving the subsequently discussed tokens), i.e., stored per channel attributes under each member. In any case, confirmation or denial of access is communicated via Block 40 for multiplexing return of status messages to a target object.

From the portion of Block 10, the logic flows to Block 42 for MESSAGE and MODMSG API instructions. Block 42 tests which of the two instructions were received, and for MODMSG, the logic flows to Block 44, which tests whether the user is a moderator. If the user is not a moderator, the logic flows to Block 46, which sends a denial message through Block 40. If, however, the in Block 44 the user is a moderator, the logic flows to Block 48 for a repeat to all list members who are permitted to see the message, via Block 40.

Returning to Block 42, if MESSAGE is detected, the logic flows to Block 50, which tests whether a user has post permission. If the user has post permission, the logic flows to Block 48, etc. If the user does not have post permission, the logic flows to Block 52 to forward the message to moderators for approval, via Block 40.

Additionally, the logic flows from Block 10 to Block 54 for a URL API instruction. Block 54 tests whether the user has graphical multimedia communication privileges, and if not, the logic flows via Block 56, which sends a denial message via Block 40. Otherwise, if the user does have graphical multimedia communications privileges in Block 54, Block 58 sends graphical multimedia information to all approved users via Block 40.

Turning now to FIG. 4, central controller loop communications is illustrated. For the data on central poll point 58 (see Appendix POLL_POINT), a "do" loop begins at Block 60 for each connection. Block 62 tests whether bytes are available on the data stream. If they are, the bytes are added to user space FIFO per connection at Block 64, leading to Block 66, which tests whether there are any more connections. Note

Petitioner Microsoft Corporation, Ex. 1002, p. 5903

that in FIG. 4, if there are no more bytes available in Block 62, the logic skips to Block 66, and if Block 66 is not finished with all connections, the loop returns to Block 62. When all connections have been completed in Block 62, the logic flows to Block 68, which looks for an available complete data instruction for any connection by extracting packets byte-wise from the FIFO. Thereafter, Block 70 tests whether there is a complete response available from the participator computer. If the response is complete, the logic flows to Block 72 which, using a command type, demultiplexes into an appropriate object (output FIFOs may be filled here for any connection). The logic from Block 72 joins the "no" branch from Block 70 at Block 74, which enables unblocking for writing connections for only connections with data available to write, looping back to Block 58.

FIG. 5 shows a client channel data structure and information flow diagram. From a message that is demultiplexed by message type, there are six possibilities: ERROR MESSAGE, MESSAGE, STATUS, JOINCHANNEL, LEAVECHANNEL, and MODMSG. ERROR MESSAGE is communicated to Block 76, where the error message is displayed to the transcript in the transcript area of Block ~~80~~ 78. MESSAGE is communicated to Block ~~78~~ 80 where the message is immediately added to the transcript in transcript area 78. STATUS is communicated to Block 82 to update user data structure; JOINCHANNEL is communicated to Block 84 to ~~remove~~ add a user from the member list and display the change; and LEAVECHANNEL is communicated to Block 86. From Block 82, Block 84, and Block ~~88~~ 86, the logic flows to Block 88, which includes a member list, a member identifier, known attributes / permissions / properties, and personal information. From Block 88, the logic proceeds to Block 90, a member list area, and on to Block 92 to compose a request to change a member attribute. This "SETCHAN request is then communicated to Block 94, which is the multiplexer leading to the controller computer connection.

Petitioner Microsoft Corporation, Ex. 1002, p. 5904

MODMSG is communicated to Block 96, which sends the message to the moderation area of Block 98, and then to Block 100 to resubmit a member message as approved, thereby conveying a MODMSG request to Block 94.

Note that a response is prepared in the response area of Block 102. If the response is a standard message, it is conveyed to Block 104 to compose the response into a controller message, thereby sending a MESSAGE request to box 94. If, however, the message is a graphical information submission, the logic flows from Block 102 to Block 106 to compose the graphical information submission into a controller message, thereby sending a URL request to Block 94.

FIG. 6 is a participator software out-of-band multimedia information flow diagram, which begins with Block 26, the multimedia type patch point. Block 26 leads to Block 102, which tests whether there is an internally handlable multimedia type. If not, Block 104 looks up a suitable agent for data type presentation, which leads to Block 106, which tests whether an agent was found. If not, Block 108 reports location of data to the user for future referencing. If the agent is found in Block 106, the logic flows to Block 110, which invokes the agent with a data reference to present the data.

If the multimedia type is internally handlable from Block 102, the logic flows to Block 112, which tests whether this is a member associated image. If it is a member associated image, Block 114 displays the image next to member identity information, and if it is not, the logic flows to Block 116, which tests if this is a member public data reference (e.g., a URL). If a URL is detected at Block 116, Block 118 invokes an external data type viewer only on demand of the operator of the participator software, and otherwise Block 120 stores the reference for future use by the operator of the participator software, or treats the reference as an externally handled multimedia type (at the user's option).

With further regard to the manner of interaction between the controller computer 3 and the participator computers 5, and their respective computer programs 2

Petitioner Microsoft Corporation, Ex. 1002, p. 5905

and 4, includes a moderation capability that is controlled, or arbitrated, pursuant to system 1 recognizing user identity. Note that using the user identity for moderation purposes is a use additional to the use of the user identity for security purposes.

One embodiment of the present invention is to bring chat capability to the internet and World Wide Web. However, another embodiment involves non-internet relay chat. In either embodiment, System 1 is state driven such that synchronous and asynchronous messages can be communicated. For an asynchronous notification, each message is sent through the system 1 (API), which updates the information on the output device of the participator computers 5. For a synchronous notification, a participator computer 5 must interrogate the system 1 for a message.

With regard to the arbitrating of the controller computer 3 is directed by the controller computer program 2 to use "identity tokens", which are pieces of information associated with user identity. The pieces of information are stored in memory 11 in a control computer database, along with personal information about the user, such as the user's age. The control computer database serves as a repository of tokens for other programs to access, thereby affording information to otherwise independent computer systems. In the database, the storage of tokens can be by user, group, and content, and distribution controls can also be placed on the user's tokens as well as the database.

Each token is used to control the ability of a user to gain access to other tokens in a token hierarchy arbitration process. The arbitration also includes controlling a user's ability to moderate communications involving a group or subgroup of the participator computers 3. Once in a group, temporary tokens are assigned for priority to moderate/submoderate groups (a group is sometimes known as a channel in multiplexing terminology).

Accordingly, tokens are used by the controller computer 5 to control a user's group priority and moderation privileges, as well as controlling who joins the

Petitioner Microsoft Corporation, Ex. 1002, p. 5906

group, who leaves the group, and the visibility of members in the group. Visibility refers to whether a user is allowed to know another user is in the chat group.

Tokens are also used to permit a user's control of identity, and in priority contests between 2 users, for example, a challenge as to whether a first user can see a second user.

Censorship, which broadly encompasses control of what is said in a group, is also arbitrated by means of the tokens. Censorship can control of access to system 1 by identity of the user, which is associated with the user's tokens. By checking the tokens, a user's access can be controlled per group, as well as in giving group priority, moderation privileges, etc.

Censorship also can use the tokens for real time control of data (ascii, text, video, audio) from and to users, as well as control over multimedia URLs - quantity, type, and subject.

With regard to controlling communications in a group (which is in essence a collection of user identities), control extends to seeing messages, seeing the user, regulating the size of the communication, as well as the ability to see and write to a specific user. Control further extends to the ability to send multimedia messages.

Note that tokens for members in group can involve multiples formed in real time, say, within the span of a conversation. For example, for private communication, tokens are immediately formed to define a group of 2 users. Hierarchical groups within groups can also be formed, with each inheriting the properties of the group before it. Thus, a subgroup can include up to all members or more by adding any surplus to the former group.

With further regard to the controller computer 3, e.g., a server, information is controlled for distribution to the user interfaces at selected ones of the participator computers 5. The controller computer program, in one embodiment, can be a resident program interface (such as a JAVA application). There can be a token editor object

Petitioner Microsoft Corporation, Ex. 1002, p. 5907

(window/tear down, etc.) per group, private communication, user, channel listings, user listings, etc. Each can link up in a token hierarchy for arbitration control.

The controller computer 5, by means of the controller computer program 2, keeps track of states and asynchronous messages as well as generating a synchronous message as a user logs in or interrogates system 1.

With regard to multimedia information messages 8, such messages are of independent data types, e.g., audio/video data types. The content of the message (e.g., a URL) permits the System 1 to automatically determine the handling of the message: either the Controller Computer 3 passes the content of Message 8 directly, or the Controller Computer 3 determines from the Message 8 how to find the content, say via Netscape. Accordingly, Message 8 can communicate video and sound (or other multimedia, e.g., a URL) to users, subject only to the server arbitration controls over what can be sent.

Turning now to an illustration of using the invention, the session starts with verifying the user's identity (at FIG. 7). The login/password screen is shown, and the user enters his/her assigned login/password combination and clicks the "Login To Chat" button. If the password was entered correctly, a confirmation box appears on the screen.

Then the channel list area is shown at FIG. 8. The Channel List area is a window which shows a list of all of the groups currently on the server in active communication. Because no one is yet connected in this example, there are no groups currently available on the screen.

To create a new group, the "New Channel" option is selected from a pull-down menu (at FIG. 9). The name of the channel is entered by the input device 7.

If the user has permission (this one does), a new channel is created for the group (at FIG. 10). The window that displays the channel area has three regions: the bottom region, where responses are entered; the largest region, where a transcript of the communication is followed; and the rightmost region, which lists the group's current

Petitioner Microsoft Corporation, Ex. 1002, p. 5908

members. This list is continuously updated with asynchronously generated status messages received immediately when a new member joins the group. Only "DMARKS" is currently in this group. The "MWU" is the properties currently associated with DMARKS - the ability to moderate, write to the channel, and send multimedia messages.

A new member has joined the channel, and the member list status area is updated right away (at FIG. 11). This new member has a login of "ME."

The user DMARKS now types "hello there" into the response area and presses RETURN (at FIG. 12). This message is passed to the controller computer 5, which sends the message to all channel members, i.e., those using participator computers 5, including DMARKS.

The user ME now sends a message to the controller: "hi there" (at FIG. 13). This message is also sent to all members by the controller computer 5. Now user DMARKS clicks (using input device 7, a mouse) on the name of the user "ME" in the member list window. The participator software 4 will now create a private message window, so that the users ME and DMARKS can exchange private messages. Private messages are only sent to the intended recipient by the controller, and no one else.

A private message window appears in response to DMARKS's request to open private communications with ME (at FIG. 14). Now DMARKS types a message into the private message window's response area to ME: "this message is seen only by the user ME." When complete, the participator software 4 will forward this message to the controller computer 3.

In response, the user ME has entered "This is the private message response that is only seen by the user DMARKS," which has been forwarded to user DMARKS (at FIG. 15). This message is displayed immediately on DMARKS's window.

DMARKS now returns to the channel window for the group "TESTCHANNEL" (at FIG. 16). To modify the permission attributes associated with user ME on the channel TEST CHANNEL, DMARKS (who is a moderator of the

Petitioner Microsoft Corporation, Ex. 1002, p. 5909

channel), clicks on the user ME in the member list to select ME, pulls down the Moderator menu, and selects "Toggle Moderator." This removes the moderator privileges from ME.

As a result of the attribute revocation, the "M" has disappeared from next to ME's name in the member list (at FIG. 17), indicating that the property is no longer associated with the user ME.

Now DMARKS returns to the Channel List window (at FIG. 18). DMARKS wishes to fully moderate the contents of the channel TESTCHANNEL, censoring all unwanted communications to the channel. DMARKS returns to the channel list, and selects the channel TESTCHANNEL by clicking on its name in the channel list.

Now DMARKS selects the "Toggle All Posting" option in the Maintenance pull-down menu (at FIG. 19). This will turn off the channel property "posting," (or sending communications to the channel without moderator approval) which will be indicated by the removal of the letter "P" from next to the name TESTCHANNEL (at FIG. 20).

Now the letter "P" is removed from after the name TESTCHANNEL in the Channel List window (at FIG. 21), indicating that this channel is now moderated and will only have free posting ability by designated members.

Now, type user ME (who is also on channel TESTCHANNEL) wishes to send communications: "this will not be written directly to the channel" (at FIG. 22). The controller, instead of sending it immediately to the channel to be seen by all members, will instead forward the message to the moderators for approval. The moderator, DMARKS, will then see the message on the Moderation Window, which provides a preview of any messages to be sent. To approve a message for general viewing, DMARKS now clicks on the message.

Now that DMARKS has clicked directly on the message, it is displayed inside the group's Channel window for all members to see (at FIG. 23).

Petitioner Microsoft Corporation, Ex. 1002, p. 5910

DMARKS now wishes to send a graphical multimedia message. This implementation sends graphical multimedia images by allowing a channel member to specify an Internet URL of a graphical multimedia resource to be presented to the group members. In this example, DMARKS wishes to send the URL "http://www.ais.net" (corresponding to the World Wide Web home page of American Information Systems, Inc.) to the channel members. DMARKS enters the URL into the response window, and selects "Send URL" from the Moderator pull-down menu (at FIG. 24).

The controller computer 5 now passes the URL to the channel members. This participator software 4 performs two actions in response to the graphical multimedia display request. The first is to put the name of the URL onto the transcript of the group's channel, so that it can be read by group members. The second response is to have the participator software show the data associated with the graphical multimedia message in a human interpretable way (at FIG. 25). To do this, the participator software 6 either uses built in rules to decide how the graphical multimedia data is to be presented, or locates another program suitable to present the data. In this case, the software 6 is utilizing Netscape Navigator™, a program for displaying graphical multimedia documents specified by a URL (at FIG. 26). Inside the Navigator window, the graphical multimedia content, the home page of AIS, is shown.

Finally, DMARKS wishes to manually modify the attribute tokens associated with the user (at FIG. 27). The user invokes the Property Editor dialog, which allows the user to view and change the tokens associated with a user. A property of a given user is determined by the Identifier and Property names. An old value of the property is shown, and a token value can be changed in the "New Value" field. With this property editor, a user with sufficient permissions (tokens) can change any of the tokens or security parameters of any user, or a user's ability to change security parameters can be restricted.

Petitioner Microsoft Corporation, Ex. 1002, p. 5911

To start with an alternate embodiment using a text-based interface, a user is presented by the login/password screen (at FIG. 28). This screen is where a user enters the information that proves his/her identity. The user must now enter his/her login and password to identify themselves.

After the user has been identified by the controller the Channel List screen appears (at FIG. 29). The names of channels and their associated properties are shown on this screen. By using the arrow keys and highlighting the desired channel, ME may enter any publicly joinable group. Currently, there is only one group TESTCHANNEL, which ME will join.

Now the screen for the channel TESTCHANNEL appears (at FIG. 29). The screen is split into four regions. The bottom left region is the response line, where messages users wish to enter appear. The upper left region is the transcript area where the communications of the group's channel appear as they occur. The upper right region is the Member List region, where a continuously updated list of members' names appear, with their attributes.

A message appears in the transcript area. The controller has forwarded a message to the group from DMARKS, "hello there" (at FIG. 31), which is seen by all members of the group, including ME. Now ME will respond, by entering "hi there" into the response area.

When ME is finished entering his response, the participator software forwards the response to the controller, which sends it to the members of the channel. In the transcript area, the participator software notifies the user that it has received a private message from DMARKS, which is waiting inside the private message screen. To see the private message, ME presses the private message screen hot key.

A private message screen appears (at FIG. 32), and the private message from DMARKS is at the bottom of the transcript area. Now to reply, ME types his response into the response area.

Petitioner Microsoft Corporation, Ex. 1002, p. 5912

Now ME will return to the screen for the channel TESTCHANNEL. The member list area has changed because DMARKS has revoked ME's moderator permission. ME is no longer permitted to see the permissions of other users, so this information has been removed from his display (at FIG. 33). The only information he can see now is who is moderator (at FIG. 34). A "*" next to the identifier of a member of the group indicates the member is a moderator of the group. ME is no longer a moderator, and therefore a "*" does not appear the identifier ME.

To ~~furthere~~ further exemplify the use of the present invention, the following is a transcript of communications produced in accordance herewith.

POWERQUALITY JOHNMUNG: unclear about meaning of "first contingency"

POWERQUALITY SAM: mike, that is correct on IEEE 519

POWERQUALITY SKLEIN: In assessing network security (against outage) the first contingencies are tested to see how the power system should be reconfigured to avoid getting a second contingency and cascading into an outage.

POWERQUALITY MSTEARS: These outages point out the need for reliability as part of the overall customer picture of PQ

POWERQUALITY BRIAN: Hi Jennifer, hit crt-p for private messagae

POWERQUALITY SKLEIN: In simpler terms, a single point failure shouldn't crash the system.

POWERQUALITY SKLEIN: Are we all chatted out?

POWERQUALITY ANDYV: brian, johnmung has been banned!!! why?

POWERQUALITY BRIAN: no way, new subject

POWERQUALITY BRIAN: just a sec, andy

POWERQUALITY BRIAN: No banning on this channel, John is back on

POWERQUALITY TKEY: ieee 519 limits the harmonic current a customer can inject back into the pcc and limit the vthd the the utility provides at the PCC

Petitioner Microsoft Corporation, Ex. 1002, p. 5913

POWERQUALITY JOHNMUNG: thanks guys, for unbanning me- i've been thrown out of better places than this!

POWERQUALITY BRIAN: New subject...now...

POWERQUALITY BRIAN: good one john.... :)

POWERQUALITY MSTEARS: For critical facilities dual feeds or other backup capability need to be economically evaluated to keep the facility in operation

POWERQUALITY SAM: John, I remember that club very well

POWERQUALITY JOHNMUNG: question: please comment on frequency of complaints involving spikes, sags or harmonics

POWERQUALITY WARD: Problems caused by sags is the main complaint.

POWERQUALITY BRIAN: What subject does anyone want to see the next chat

POWERQUALITY WARD: Surges is probably next; harmonics really don't cause that many problems, although they are certainly there.

POWERQUALITY ANDYV: what is the solution ward?

POWERQUALITY TKEY: Agree they are the most frequent (sags) and the panel sesion on the cost of voltage sags at PES drew 110 people

POWERQUALITY SAM: harmonics tend to be an interior problem within a facility,rather than on the distribution system

POWERQUALITY WARD: The best solution is making the equipment less susceptible to sags. This requires working with the manufacturers.

POWERQUALITY ANDYV: won't that cost more

POWERQUALITY MSTEARS: The complaint of surges covers many things in the customers eyes sags have become a real problem because they are harder to resolve

POWERQUALITY GRAVELY: John-The latest EPRI results confirms the 90+ % of the time SGS are the problem and short term ones.

POWERQUALITY WINDSONG: What is the topic for the 25??

0 0 0 0 2 0 0 0 5 0 0 0

POWERQUALITY WARD: Each problem can be dealt with as it occurs, but the time involved gets very expensive.

POWERQUALITY JOHNMUNG: making equipment less susceptible causes legal problems for manufacturers- as each improvemnt can be cited by compinant as example of malfeasance

POWERQUALITY WARD: AndyV: The cost to the manufacturer increases. The overall cost to everyone involved decreases.

POWERQUALITY TKEY: customer pays any way you cut it, if the eqpt is more immune customers pay only once instead of every time the process fails

POWERQUALITY BRIAN: The topic is regarding Power Quality

POWERQUALITY BRIAN: This chat is available for everyone 24 hours a day

POWERQUALITY ANDYV: ddorr> >will the manufacturer spend more to produce a better product

POWERQUALITY WARD: And as Tom says, the cost to the customer is far less.

POWERQUALITY BRIAN: This chat will be functioning 24 hrs/day

POWERQUALITY BRIAN: please usae it

POWERQUALITY BRIAN: The next panel discussion is Nov 15th

POWERQUALITY WARD: Andy, that's where standards come in.

POWERQUALITY SKLEIN: Is the customer capable of resolving the fingerpointing among the manufacturers and utilities?

POWERQUALITY DDORR: andy, only if the end userss create a market for pq compatible eqpt by demanding better products

POWERQUALITY MSTEARS: The manufacturers problems in including fixes is being competative with some who doesn't provide the fix

POWERQUALITY ANDYV: how will we educate the general consumer?

POWERQUALITY GRAVELY: Is it possible to have a basic theme topic or some core questions for 15 Nov chat?

Petitioner Microsoft Corporation, Ex. 1002, p. 5915

POWERQUALITY WARD: Stan, the customer cannot be expected to resolve the fingerpointing. The manufacturers and utilities need to work together.

POWERQUALITY ANDYV: about power quality and reliability?

POWERQUALITY SKLEIN: If electric power is going to be treated as a fungible commodity, there has to be a definition. Like, everyone knows what number 2 heating oil is.

POWERQUALITY SAM: Ideally a manufacturer would not be able to compete if they don't add the protective function in their products, but alot more public education is required before we get to this point.

POWERQUALITY WARD: Andy, there are many ways to educate the customers, but they require a lot of contact between the utility and the customers. The Western Resources Power Technology Center in Wichita is doing it, just as an example.

POWERQUALITY DDORR: standard power vs premium power is one solution as is std qpt vs Pq compatible eqpt

POWERQUALITY SKLEIN: I want to buy number 2 electric power and to be able to check the nameplates of my appliances to be sure they can take it. Just like I buy regular gasoline.

POWERQUALITY MSTEARS: Sam - I agree, that is partly the utilities responsibilitysince we serve the customers

POWERQUALITY BBOYER: What differentiates number 2 from number 1?

POWERQUALITY SKLEIN: I used the analogy of number 2 heating oil. I don't know what number 1 heating oil is.

POWERQUALITY DDORR: Number two has cap switching and all the normal utility operational events while number one is much better

POWERQUALITY SKLEIN: Perhaps we can just say regular vs high test.

Petitioner Microsoft Corporation, Ex. 1002, p. 5916

POWERQUALITY SAM: mike, yes a joint effort between the utiliy, manufacturer and standards juristictions is a goal for utilicorp as we move forward with offering from our strategic marketing partners, and bring PQ technologies to the public

POWERQUALITY TKEY: We are finding that many mfgrs want to produce pq compatible equipment, but they have no clue as to what to test for

POWERQUALITY ANDYV: Tom> >will the IEC standards help?

POWERQUALITY TKEY: Its up to the utility to help define normal events IEC will take time

POWERQUALITY SKLEIN: You can't have a commodity product with all the variation in specifications we have been discussing. It has to be regular, premium, and super premium or it won't work.

POWERQUALITY JOHNMUNG: Tom as a former manufacturer i sympathize--your work at PEAC is invaluable but anecdotal knowledge from utility people on the firing line is equally important

POWERQUALITY TKEY: Super premium, does that mean a UPS?

POWERQUALITY ANDYV: how do you stop a facility from affecting you super-premium power?

POWERQUALITY TKEY: John, Good Point

POWERQUALITY SAM: Tkey, a ups, local generation or redundant service

POWERQUALITY SKLEIN: This is what I meant earlier by electricity being a non-virtualizable service. You can't make each customer see the power system as though they had their own dedicated generating plant.

POWERQUALITY BRIAN: THE CHAT CHANNEL WILL BE OPEN 24/HRS/DAY 7 DAYS A WEEK

POWERQUALITY TKEY: I must sign out for about 5 minutes but I'll be back

POWERQUALITY BRIAN: OK TOM

Petitioner Microsoft Corporation, Ex. 1002, p. 5917

POWERQUALITY MSTEARS: PQ for facilities need to be done with a system perspective to to get the right resolution

POWERQUALITY BBOYER: Andy's question is still relevant - how do stop a facility from downgrading utility service to other customers?

POWERQUALITY BRIAN: MIKE> >LETS SWITCH BACK TO RETAIL WHEELING

POWERQUALITY WARD: You work with that customer to do whatever is needed to correct their disturbances.

POWERQUALITY BBOYER: Be more specific

POWERQUALITY MSTEARS: Interaction between facilites can be evaluated and designed for

POWERQUALITY JOHNMUNG: as a key to hardening it helps to identify the most sensitive circuits, i.e. microprocessor logic, test for vulnerability under common surges, sags, rfi, and then notify users that their equipment contains these subsystems- for a start

POWERQUALITY BRIAN: hI DOUG

POWERQUALITY GRAVELY: Brian: Are you saving this session as a file? Can we get a list of chat session participants?

POWERQUALITY BRIAN: s, we may

POWERQUALITY DMARKS: gravely: hit TAB and use the arrow keys to page through the list of participants

POWERQUALITY SKLEIN: Will the session be available for downloading?

POWERQUALITY BRIAN: yes, Mike we will publish in PQ Magazine

POWERQUALITY WARD: Part of the agreement for high quality power should be that the customer receiving the power will not disturb the utility system.

POWERQUALITY BRIAN: if john let's us.....

POWERQUALITY GRAVELY: I tried that, however, netcruiser has a software problem and I cannot see all of the names.

Petitioner Microsoft Corporation, Ex. 1002, p. 5918

POWERQUALITY SAM: most utilities rules and regulations already require that a customer not put anything back out on the utility system

POWERQUALITY BRIAN: MIKE G. > >WE WILL PUBLISH THIS IN PQ MAG NEXT MONTH IF ASNDY LETS US

POWERQUALITY BRIAN: HOW ABOUT IT ANDY?

POWERQUALITY ANDYV: ok

POWERQUALITY BRIAN: COOL

POWERQUALITY WARD: Standards will have to be set for what constitutes a disturbance, and then the utility should work with customers, install filters, etc., to be sure they stay within the rules.

POWERQUALITY BRIAN: THANKS ANDY

POWERQUALITY ANDYV: a meeting review or a sumary of events

POWERQUALITY GRAVELY: It would be good to take a few minutes to recommend how the 15 Nov session could be more effective.

POWERQUALITY BRIAN: A SYNAPSE OF THIS CHAT WILL BE IN NEXT MONTHS PQ MAG

POWERQUALITY WINDSONG:

POWERQUALITY SKLEIN: I don't get PQ mag. Will it be on the Net?

POWERQUALITY BRIAN: STAN SIGN UP FOR IT ON OUR HOME PAGE

POWERQUALITY DOUGC: the transcript of this conference will be available on the EnergyOne pages.

POWERQUALITY BRIAN: YOU CAN SIGN UP ON LINE

POWERQUALITY BRIAN: HTTP://WWW.UTILICORP.COM

POWERQUALITY WINDSONG: Good comment Gravely Comments from the users would be greatly appreciated!!

POWERQUALITY SAM: PQ magazine is available online on the UCU internet bulletin board, http://www.utilicorp.com

Petitioner Microsoft Corporation, Ex. 1002, p. 5919

POWERQUALITY ANDYV: or link from powerquality.com

POWERQUALITY BRIAN: YOU CAN GET A FREE MAG SUBSCRIPTION FROM UTILICORP'S HOME PAGE

POWERQUALITY SKLEIN: Thanks

POWERQUALITY BRIAN: ALSO, THERE IS A PQ FORUM ON OUR HOME PAGE

POWERQUALITY JOHNMUNG: for nov 15 shall we pick five key topics? suggest health care, energy storage rfi/emc as a few topics--also new gas turbine 25 kw generator just announce today-- just some suggestions

POWERQUALITY BRIAN: GOOD SUGGESTION JOHN

POWERQUALITY ANDYV: lets develop an outline of topics for next time.

POWERQUALITY BRIAN: OK

POWERQUALITY GRAVELY: One suggestion for 15 Nov--Have participants place a list of desired topics on your other chat box and prioritize by interest level.

POWERQUALITY SKLEIN: How about deregulation and retail wheeling.

POWERQUALITY BRIAN: COMMENTS SHOULD BE SENT TO ME BY EMAIL

POWERQUALITY BRIAN: BSPENCER@UTILICORP.COM

POWERQUALITY BRIAN: 15 minutes remaining

POWERQUALITY ANDYZYREK: Let's discuss the new standard IEEE 1159.

POWERQUALITY ANDYV: may be we could generate an online questionaire to see what people are needing discussed.

POWERQUALITY BRIAN: but the chat is available for 24 hrs/day 7 days a week

POWERQUALITY ANDYV: what does IEEE1159 address?

POWERQUALITY BRIAN: Please send all suggestion to me for our next chat

POWERQUALITY BRIAN: Bobbin is not banned now

POWERQUALITY BRIAN: my fault

POWERQUALITY ANDYZYREK: New PQ measuring techniques. We have not received our issue yet.

Petitioner Microsoft Corporation, Ex. 1002, p. 5920

POWERQUALITY ANDYV: You should have it my now.

POWERQUALITY BRIAN: Bobbin is not banned anymore

POWERQUALITY ANDYV: you can e-mail me or john at: editors@powerquality.com

POWERQUALITY BRIAN: is two hours right fdo rhtis feature

POWERQUALITY JOHNMUNG: do i understand that many programmable logic controllers can be hardened by addition of simple CVT like a sola?

POWERQUALITY ANDYZYREK: Yes, but it is being delivered by snail mail.

POWERQUALITY ANDYV: no 2nd class

POWERQUALITY BRIAN: 15 minutes to go

POWERQUALITY ANDYV: Please e-mail me you complete name and addess and I will mail you one today 1st class.....now is that serice or what?

POWERQUALITY BRIAN: Is two hours long enough for tthis chat?

POWERQUALITY TKEY: Im back

POWERQUALITY WARD: Brian, I think two hours is about right.

POWERQUALITY BRIAN: hi tom

POWERQUALITY BRIAN: good...

POWERQUALITY ANDYV: yes I agree 2hrs

POWERQUALITY BRIAN: anyone else

POWERQUALITY ANDYV: it the time of day correct?

POWERQUALITY BRIAN: questions now....

POWERQUALITY SKLEIN: The topic foremost in my mind right now is what to eat for lunch. I enjoyed the discussion, which I understand has been historic in some sense. But I think I will sign off now and go eat.

POWERQUALITY SAM: 2 hours seems to work very well

POWERQUALITY DANIELH: time of day is good

POWERQUALITY BILLMANN: 2 hrs is fine

Petitioner Microsoft Corporation, Ex. 1002, p. 5921

POWERQUALITY MSTEARS: Two hours work well, the middle of the day allows east and west coast to be involved

POWERQUALITY BRIAN: good, Will everyone be back for the next chat

POWERQUALITY GRAVELY: Brian, I will forward my recommendations on email, thanks.

POWERQUALITY BILLMANN: yes i'll be back

POWERQUALITY ANDYZYREK: Brian, would it be possible to have a forum published on your home page prior to Nov 15 .

POWERQUALITY BRIAN: I would like to do another chat before Nov 15th, any thoughts

POWERQUALITY ANDY: U bet

POWERQUALITY SAM: I believe that this chat may set an attendance record for most participants during a first session

POWERQUALITY JOHNMUNG: a parting thought--"harmonics make the music rich, they make the tone insprinng--harmonics in your power line WILL BLOW THE BUILDINGS WIRING" tIM MUNGENAST

POWERQUALITY BRIAN: Your're all invited to return

POWERQUALITY BRIAN: the next chat

POWERQUALITY BRIAN: This chat feature will help set standards of how we view our industry

POWERQUALITY WARD: For me this was two hours very well spent, and it was quite enjoyable.

POWERQUALITY BRIAN: Tell a colleague about our chat Nov 15th

POWERQUALITY BRIAN: Thanks Ward

POWERQUALITY BRIAN: I would like to do this on a weekly basis, any thoughts yet

POWERQUALITY GRAVELY: John: talk it up in Germany!!

POWERQUALITY ANDY: I would like to thank utilicorp and everyone envolved.

Petitioner Microsoft Corporation, Ex. 1002, p. 5922

POWERQUALITY BRIAN: Thanks Andy for your help

POWERQUALITY WARD: Did this notice go out to the Power Globe mailing list?

POWERQUALITY BRIAN: No, but could help us Ward with that

POWERQUALITY BRIAN: Lets all get the word out about this chat

POWERQUALITY WARD: I'm on the list and will be glad to forward anything you wish to it.

POWERQUALITY BRIAN: Please use it whenver you wish, even schedule your own chats whenver

POWERQUALITY JOHNMUNG: MANY THANKS TO uTILICORP AND ALL INVOLVED- FROM AN OLD STEAM BOATER :-)

POWERQUALITY BRIAN: thanks ward

POWERQUALITY BRIAN: Hi duane

POWERQUALITY BRIAN: This chat is offically over, but do stick around for foir more chatting

POWERQUALITY BRIAN: Thanks to all, cya on Nov 15th

POWERQUALITY MSTEARS: Ward, Tom, and John I appreciate your participation

POWERQUALITY BRIAN: Thanks Guys and Ladies!!!!!!!!!!

POWERQUALITY SWPPD: WHAT IS HAPPENING ON NOV. 15

POWERQUALITY BRIAN: our next chat with a panel of experts

POWERQUALITY BRIAN: topic yet to be decided

POWERQUALITY DPSWOBO: Hi Brian, Sorry I was on the phone and could not respond right away. Did I get the time incorrectly for the chat?

POWERQUALITY BRIAN: please send us a suggestions

POWERQUALITY ANDY: good bye ;-)

POWERQUALITY BRIAN: Yeah, but stick around to chat with some friends

POWERQUALITY BRIAN: We had a total of 50 people and avg of 20 people at one time

POWERQUALITY BRIAN: Thanks everyone!!!Lunch Time

Petitioner Microsoft Corporation, Ex. 1002, p. 5923

POWERQUALITY BRIAN: Next Chat Nov 15th at 10-12 ct

POWERQUALITY BRIAN: But this chat line is available 24hrs/day/7 days a week

POWERQUALITY BRIAN: Please use it whenever

POWERQUALITY GRAVELY: Thanks to the panel and Utilicorp for the session!

POWERQUALITY BRIAN: Talk to your collegues and friends about any particular topic

POWERQUALITY BRIAN: Come see our home page for new topics and chats

POWERQUALITY BRIAN: http://www.utilicorp.com

POWERQUALITY BRIAN: Thanks Power Quality Assurance Magazine and All our panel members

POWERQUALITY BRIAN: :)

POWERQUALITY SWPPD: MISSED THIS SESSION. ICAN WE GET HARD COPY INFO?

POWERQUALITY BRIAN: yes swwp, it will be published in pq mag and our home page

POWERQUALITY BRIAN: catch our next session on nov 15th

POWERQUALITY BRIAN: 10-12 ct

POWERQUALITY SWPPD: THANKS A BUNCH!!

POWERQUALITY SWPPD: GOOD BYE!

POWERQUALITY BRIAN: no prob

POWERQUALITY BRIAN: cya

POWERQUALITY DESWETT:

POWERQUALITY TKEY: Good session brian, ddorr and I will be signing off now, look forward to the next session

POWERQUALITY DPSWOBO: Thanks for the info on the next session, we will get on next time

POWERQUALITY DMARKS: I hope everyone enjoyed this session.

POWERQUALITY MSTEARS: I am logging off Thanks

Petitioner Microsoft Corporation, Ex. 1002, p. 5924

POWERQUALITY SAM: This is Tony and I am watching the action... we made history. Great work guys.

POWERQUALITY BRIAN: Lunch time

POWERQUALITY BRIAN: Next chat is nov 15th

POWERQUALITY BRIAN: 10-12ct

POWERQUALITY BRIAN: please continuie to look at utilicorp's hp

POWERQUALITY BRIAN: for more info

POWERQUALITY BRIAN: email if you have any questions regarding the chat

POWERQUALITY BRIAN: bspencer@utilicorp.com

POWERQUALITY BRIAN: later

SUPPORT BRIAN: hi guys

SUPPORT BRIAN: success

SUPPORT BRIAN: yess!!!

POWERQUALITY CPREECS: ?yes, i got some conflicting info

POWERQUALITY BRIAN: transcripts will be in PQ mag next month and on utilicorp's home page

POWERQUALITY CPREECS: what were the topics discussed?

POWERQUALITY BRIAN: how is that chuck

POWERQUALITY BRIAN: power quality, standards,

POWERQUALITY BRIAN: retail wheeling

POWERQUALITY BRIAN: cya, lunch time

POWERQUALITY CPREECS: later

POWERQUALITY BRIAN: bye all

POWERQUALITY BRIAN: email me chuck

POWERQUALITY RB: sorry I missed it. I got 12-2 est off the net. bye.

POWERQUALITY BRIAN: sorry RB

POWERQUALITY BRIAN: miss information

POWERQUALITY BRIAN: next chat is 10-12

POWERQUALITY BRIAN: ct

POWERQUALITY BRIAN: nov 15th

POWERQUALITY BRIAN: bye

POWERQUALITY RB: thanks

POWERQUALITY BRIAN: no prob, tell all

POWERQUALITY ANDY: Is anyone still here talking about power quality?

POWERQUALITY DAVE: Just signed on that is what I was trying to find out

POWERQUALITY ANDY: the PQ chat was running from 11:00-1:00est

POWERQUALITY ANDY: Were you involved then?

POWERQUALITY DAVE: No I just got a chance to sign on now

POWERQUALITY ANDY: there were some great discussions.

Petitioner Microsoft Corporation, Ex. 1002, p. 5926

POWERQUALITY ANDY: The transcripts will be available to down load at utilicorp.com Brian Spencer says.

POWERQUALITY ANDY: What is your experience in PQ

POWERQUALITY DAVE: That is what I was looking for, are they available to down load now, I work in a data center and have worked with UPS systems for about 12 years

POWERQUALITY DAVE: I did field service for Exide

POWERQUALITY ANDY: Brian just went to Lunch in KS I don/t know when it will availalbe.

POWERQUALITY DAVE: Thanks for the Info on the downloads, I hope they do this again

POWERQUALITY ANDY: so do I.

POWERQUALITY DAVE: What is your experience on PQ

POWERQUALITY ANDY: I am the editor or Power quality mag.

POWERQUALITY DAVE: Good mag., I pick up alot in it

POWERQUALITY ANDY: do your receive power quality assurance magazine?

POWERQUALITY ANDY: great glad to hear it.

POWERQUALITY DAVE: We get it at work but I have asked to have it sent to my home

POWERQUALITY ANDY: did you get the latest issue witht the lighting on the cover?

POWERQUALITY DAVE: Not yet, have seen it on line though

POWERQUALITY ANDY: great.

POWERQUALITY ANDY: any suggestion for editorial?

POWERQUALITY DAVE:

POWERQUALITY DAVE: no it is good

POWERQUALITY ANDY: ok.

POWERQUALITY ANDY: I am currently editing an article about VRLA battery charging.

Petitioner Microsoft Corporation, Ex. 1002, p. 5927

POWERQUALITY DAVE: I am working on a resonant problem with Utility and was looking for info

POWERQUALITY ANDY: explain

POWERQUALITY ANDY: by the way my e-mail is andy@powerquality.com

POWERQUALITY DAVE: we are running a lot of 5th har. across our system in a large data center

POWERQUALITY ANDY: I see

POWERQUALITY ANDY: I will try to address this in an upcomming issue. may be march/april or even sooner.

POWERQUALITY DAVE: we have 4800kw of UPS cap on two transformers and we have alot of 5th on our other boards

POWERQUALITY ANDY: If you are interested in writing up a case history including you solutions I would like to review it and poss. publish

POWERQUALITY MSTONEHAM: Is this chat session still active?

POWERQUALITY ANDY: YES

POWERQUALITY ANDY: We can'nt get enough! ! !

POWERQUALITY DAVE: when we can get it fixed, It looks like we have a problem with input filtering on a couple of UPS,s

POWERQUALITY ANDY: input fro the utility or a generator?

POWERQUALITY DAVE: utility

POWERQUALITY MSTONEHAM: I understand there was a chat session earlier today with some guest" chatters". Is there an archive of the discussion since I missed it?

POWERQUALITY DAVE: we have 66kv to 12kv then to 480 v by 4 trans on property

POWERQUALITY ANDY: What are you leaning towards in a solution dave

POWERQUALITY ANDY: MTONEHAM > > yes but I don't know when. contact BSPENCER@utilicorp.com

Petitioner Microsoft Corporation, Ex. 1002, p. 5928

POWERQUALITY DAVE: the computer seem to have no problem, but we have alot of motor heating / bad PF

POWERQUALITY MSTONEHAM: Thanks!

POWERQUALITY DAVE: we currently are working with a consulant but I am looking for more info

POWERQUALITY ANDY: will capacitors solve your ptoblem

POWERQUALITY ANDY:

POWERQUALITY ANDY: there also is a forum under utilicorp.com where you can post you questions.

POWERQUALITY DAVE: Each 600kw UPS has Input filtering / may need trap for 5th

POWERQUALITY ANDY: or you can access it form powerquality.com

POWERQUALITY DAVE: thanks

POWERQUALITY ANDY: Talk to ya later dave

POWERQUALITY DAVE: is PQ.com your Mag

POWERQUALITY ANDY: bye

POWERQUALITY DAVE: bye

POWERQUALITY ANDY: yes

POWERQUALITY DAVE: thanks

POWERQUALITY ANDY: :-)

POWERQUALITY MSTONEHAM:

POWERQUALITY MSTONEHAM: Is anyone else hear? There doesn't seem to be much traffic.

POWERQUALITY MSTONEHAM:

POWERQUALITY CILCOJRG: Hello- is the conference over?

POWERQUALITY CILCOJRG:

POWERQUALITY CILCOJRG: hello

POWERQUALITY BRIAN: yes

Petitioner Microsoft Corporation, Ex. 1002, p. 5929

POWERQUALITY BRIAN: the conference was from 10-12 ct

POWERQUALITY BRIAN: someone gave out the wrong information

POWERQUALITY BRIAN: hello cilco

POWERQUALITY BRIAN: anyone still there

SUPPORT BRIAN: hi all

SUPPORT BRIAN: anyone there

POWERQUALITY BRIAN: jenny > > are you there

POWERQUALITY CJBOUTCHER: is anyone here a utility employee?

POWERQUALITY BRIAN: Hi chris

POWERQUALITY BRIAN: how are you?

POWERQUALITY CJBOUTCHER: hi brian it is quiet in here

POWERQUALITY BRIAN: the conference was at 10:00ct

POWERQUALITY CJBOUTCHER: ah I see

POWERQUALITY CJBOUTCHER: when is the next one?

POWERQUALITY BRIAN: nov 15th

POWERQUALITY BRIAN: 10-12

POWERQUALITY BRIAN: ct

POWERQUALITY CJBOUTCHER: is the channel open at other times?

POWERQUALITY BRIAN: yes 24 hours a dfay

POWERQUALITY CJBOUTCHER: but not much discussion?

POWERQUALITY BRIAN: not right now,

POWERQUALITY BRIAN: cya

POWERQUALITY CJBOUTCHER: bye

POWERQUALITY BRIAN: hi jenny

POWERQUALITY JOSH: hello?

POWERQUALITY BRIAN: hi dan

POWERQUALITY BRIAN: hi dan

Petitioner Microsoft Corporation, Ex. 1002, p. 5930

POWERQUALITY BRIAN: are you awake yet?

POWERQUALITY BRIAN: just giving present this a.m.

POWERQUALITY BRIAN: :)

POWERQUALITY BRIAN: who is guest96

POWERQUALITY GUEST96: test

While a particular embodiment of the present invention has been disclosed, it is to be understood that various different modifications are possible and are within the true spirit of the invention, the scope of which is to be determined with reference to the claims set forth below. There is no intention, therefore, to limit the invention to the exact disclosure presented herein as a teaching of one embodiment of the invention.

Petitioner Microsoft Corporation, Ex. 1002, p. 5931

I Claim:

1. Computerized human communication arbitrating and distributing system, including:

a controller digital computer;

a plurality of participator digital computers, each said participator computer including an input device for receiving human-input information from a human user and an output device for presenting information to the user, each said user having a user identity;

a connection [internet] linking the controller computer with each of the participator computers;

controller software, running on the controller computer to arbitrate in accordance with predefined rules including said user identity, which ones of the participator computers can interact in one of a plurality of groups through the controller computer and to distribute real time data to the respective ones of the groups;

participator software, running on each of the participator computers to handle a user interface permitting one said user to send a multimedia information message to the controller computer, which arbitrates which of the participator computers receive the multimedia information message and conveys the multimedia information message to the selected participator computers to present the multimedia information to the respective user.

Petitioner Microsoft Corporation, Ex. 1002, p. 5932

ABSTRACT

A computerized human communication arbitrating and distributing system, including a controller digital computer and a plurality of participator digital computers, each of the participator computers including an input device for receiving human-input information from a human user and an output device for presenting information to the user, each said user having a user identity. A connection, such as Internet, links the controller computer with each of the participator computers. Controller software runs on the controller computer to arbitrate in accordance with predefined rules including said user identity, which ones of the participator computers can interact in one of a plurality of groups through the controller computer and to distribute real time data to the respective ones of the groups. Participator software runs on each of the participator computers to handle a user interface permitting one said user to send a multimedia information message to the controller computer, which arbitrates which of the participator computers receive the multimedia information message and conveys the multimedia information message to the selected participator computers to present the multimedia information to the respective user.

Petitioner Microsoft Corporation, Ex. 1002, p. 5933

I hereby certify that this correspondence is being filed by depositing it with the United States Postal Service pursuant to 37 CFR Section 1.10 on the date indicated below, in an envelope with sufficient postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

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

Date 16 August 1996

PATENT

Paper No. 3

Our File No.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Daniel L. Marks
Serial No.	:	08/617,658
Filed	:	April 1, 1996
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	
Examiner	:	

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

COMBINED DECLARATION AND POWER OF ATTORNEY

S I R :

I, the undersigned inventor, hereby respectfully declare that: my residence, address, and citizenship are as stated below; I believe that I am the original, first, and only inventor of the subject matter which is claimed and for which a patent is sought in the above-referenced specification; I have reviewed and understand the contents of the above-identified specification, including the claims; I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations § 1.56(a); and that all statements made on my own knowledge are true and all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements

BAKER & McKENZIE
ONE PRUDENTIAL PLAZA
130 EAST RANDOLPH DRIVE
CHICAGO, ILLINOIS 60601

(312) 861-8000

Petitioner Microsoft Corporation, Ex. 1002, p. 5934

and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint as my attorneys, with full powers of inspection, substitution, revocation, and power to appoint associate attorneys, Peter K. Trzyna (Reg. No. 32,601 and a member of the New York and Washington, DC bars), James G. Staples (Reg. No. 19,013), Philip J. Zadeik (Reg. No. 31,444), David I. Roche (Reg. No. 30,797), all of whom except Peter K. Trzyna are members of the Illinois bar, Peter K. Trzyna being a member of the bars of New York and Washington, D.C., and all at the Chicago office of the law firm of Baker & McKenzie, One Prudential Plaza, 130 East Randolph Drive, Chicago, Illinois 60601; (Reg. No 29, 186 and a member of the Texas bar) and John G. Flaim (Reg. No. 37,323 and a member of the New York, New Jersey and Texas bars), both of the Dallas office of the law firm of Baker & McKenzie, 4500 Trammell Crow Center, 2001 Ross Avenue, Dallas, Texas 75201; and Kevin M. O'Brien (Reg. No. 30,578 and a member of the Washington, DC bar), and Michael J. McKeon (Reg. No. 37,888), all of the Washington, DC office of the law firm of Baker & McKenzie, 815 Connecticut Avenue, N.W., Washington, DC 20006-4078.

Address all correspondence to Peter K. Trzyna, Baker & McKenzie, One Prudential Plaza, 130 East Randolph Drive, Chicago, Illinois 60601.

Address all telephone calls to Peter K. Trzyna at telephone number (312) 861-8010.

Petitioner Microsoft Corporation, Ex. 1002, p. 5935

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issued thereon.

Date: April 15, 1996

Daniel L. Marks

USA

Citizenship

3116 Mary Kay, Glenview, IL 60025

Residence and Post Office Address

Subscribed and sworn to before me
this 15th day of Aug 19 96
at Skokie, County of Cook, State of Illinois.

Notary Public

"OFFICIAL SEAL"
JOSEFINA TAYLAN
Notary Public, State of Illinois
My Commission Expires 9/9/...

H:\PKT\CLIENTS\\AIS\HOLDER.POA

Best Available Copy

Petitioner Microsoft Corporation, Ex. 1002, p. 5936

PATENT APPLICATION FEE DETERMINATION RECORD
Effective November 10, 1998

Application or Docket Number: 09/399508

CLAIMS AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	1 minus 20=	*
INDEPENDENT CLAIMS	1 minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT		

SMALL ENTITY TYPE ☐		OR	OTHER THAN SMALL ENTITY	
RATE	FEE		RATE	FEE
	380.00	OR		760.00
X$ 9=		OR	X$18=	
X39=		OR	X78=	
+130=		OR	+260=	
TOTAL		OR	TOTAL	760

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

AMENDMENT A

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	* 177	Minus	** 20	= 157
Independent	* 1	Minus	*** 3	= 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	2826
X39=		OR	X78=	
+130=		OR	+260=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	2826

AMENDMENT B

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	* 434	Minus	** 177	= 257
Independent	* 4	Minus	*** 3	= 1
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=	2313	OR	X$18=	
X39=	43	OR	X78=	
+130=		OR	+260=	
TOTAL ADDIT. FEE	2356	OR	TOTAL ADDIT. FEE	

AMENDMENT C

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	* 949	Minus	** 434	= 515
Independent	* 28	Minus	*** 3	= 25
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=	4635	OR	X$18=	
X39=	1075	OR	X78=	
+130=		OR	+260=	
TOTAL ADDIT. FEE	5710	OR	TOTAL ADDIT. 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.

FORM PTO-875
(Rev 11/98)

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
☆U.S. GPO:1998-454-473/90301

Best Available Copy

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

09/28/1999 ASELLMAN 00000011 500235 09399578
01 FC:101 760.00 CH

PTO-1556
(5/87)
*U.S. GPO: 1998-433-214/80404

#3

"Express Mail" mailing label number EI872721625US
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date set forth below:

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

Date: 20 Sept 1999

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	
Filed	:	
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	
Examiner	:	

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

ATTORNEYS CHANGE OF ADDRESS

S I R : In the above-identified patent application, please address all communications to:

Peter K. Trzyna
P.O. Box 7131
Chicago, IL 60680-7131

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

Petitioner Microsoft Corporation, Ex. 1002, p. 5939

Respectfully submitted,

Date: 20 Sept 1999

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

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

#21A
12-11-99
M.L.

"Express Mail" mailing label number EI872721624US
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date set forth below:

Signed: _____
Peter K. Trzyna (Reg. No. 32,601)

Date: 20 Sept 1999

PATENT

Paper No.

Our File No. AIS-P99-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	
Filed	:	
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	
Examiner	:	

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

SIR:

In the above-referenced patent application, please enter the following amendment and consider the application as amended.

I. AMENDMENT

A. To The Specification

Amend the specification as set forth below.

At page 2, line 1, insert --a continuation of serial number 08/617,658 filed April 1, 1996--.

A1

II. Remarks

Please enter the foregoing amendments and consider the application.

Petitioner Microsoft Corporation, Ex. 1002, p. 5941

No new matter is believed to have been added.

The Commissioner is authorized to charge any fees associated with the above-identified patent application, or credit any overcharges, to Deposit Account No. 05-0235, and direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: 20 Sept 1999

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

P.O. Box 7131
Chicago, IL 60680-7131

(312) 240-0824

Petitioner Microsoft Corporation, Ex. 1002, p. 5942

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

09399578FA

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

☐ Other, description: _____
Doc Code: Artifact Artifact Type Code: Z

March 8, 2004

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

☑ Other, description: Book
Doc Code: Artifact Artifact Type Code: Z

March 8, 2004