



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
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/948,965	11/30/2007	Samuel F. Wood	357323-990125

26379
DLA PIPER LLP (US)
2000 UNIVERSITY AVENUE
EAST PALO ALTO, CA 94303-2248

CONFIRMATION NO. 3783
POWER OF ATTORNEY NOTICE



Date Mailed: 09/25/2014

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/19/2014.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71.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).

/s/dinh/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/948,965	11/30/2007	Samuel F. Wood	002964.P075

8791
BLAKELY SOKOLOFF TAYLOR & ZAFMAN
1279 Oakmead Parkway
Sunnyvale, CA 94085-4040

CONFIRMATION NO. 3783
POA ACCEPTANCE LETTER



Date Mailed: 09/25/2014

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/19/2014.

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.

/s/ [Signature]

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Patent Number	7,764,777
	Issue Date	July 27, 2010
	First Named Inventor	Samuel F. Wood
	Title	Branch Calling and Caller ID Based Call Routing Telephone Features
	Attorney Docket Number	002964.P075

I hereby revoke all previous powers of attorney given in the above-identified patent.

A Power of Attorney is submitted herewith.

OR

I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: 08791

OR

I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified patent to:

The address associated with the above-mentioned Customer Number.

OR

The address associated with Customer Number:

OR

Firm or Individual Name

Address

City State Zip

Country

Telephone Email

I am the:

Inventor, having ownership of the patent.

OR

Patent owner.

Statement under 37 CFR 3.73(b) (Form PTO/SB/06) submitted herewith or filed on _____

SIGNATURE of Inventor or Patent Owner

Signature	Date
Name: Jeff Adelstein	6/26/2014
Title and Company: Manager, Focal IP, LLC	Telephone: (323) 866-3200

NOTE: Signatures of all the inventors or patent owners of the entire interest or their representatives are required. Submit multiple forms if more than one signature is required, see below.

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to his (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9198 and select option 2.

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.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Focal IP, LLCApplication No./Patent No.: 7,764,777Filed/Issue Date: July 27, 2010

Titled:

Focal IP, LLC, a limited liability company
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest in;
2. an assignee of less than the entire right, title, and interest in
 (The extent (by percentage) of its ownership interest is _____ %); or
3. the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

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 therefore is attached.

OR

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Wood, Samuel F., Klein, Jerry A. To: Telemaze, Inc.

The document was recorded in the United States Patent and Trademark Office at
 Reel 014034, Frame 0043, or for which a copy thereof is attached.

2. From: Asprey, Margaret Susan To: Telemaze, Inc.

The document was recorded in the United States Patent and Trademark Office at
 Reel 015613, Frame 0259, or for which a copy thereof is attached.

3. From: Telemaze, Inc. To: Telemaze LLC


The document was recorded in the United States Patent and Trademark Office at
 Reel 016844, Frame 0708, or for which a copy thereof is attached.

- Additional documents in the chain of title are listed on a supplemental sheet(s).

- As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment 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.


 Signature

September 19, 2014
 Date

Farzad E. Amini, Reg. No. 42,261
 Printed or Typed Name

Attorney for Patent Owner
 Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

B. A chain of title from the inventor(s) of the patent application/patent identified above, to the current assignee as follows: (CONTINUED)

4. From: Telemaze, LLC To: Focal IP, LLC

The document was recorded in the United States Patent and Trademark Office at

Reel 032350, Frame 0542

Electronic Acknowledgement Receipt	
EFS ID:	20193535
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	26379
Filer:	Farzad Etemad Amini/Margaux Wolson
Filer Authorized By:	Farzad Etemad Amini
Attorney Docket Number:	357323-990125
Receipt Date:	19-SEP-2014
Filing Date:	30-NOV-2007
Time Stamp:	16:28:35
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	2964P075_PatentPOA_RevChange_09_19_14.pdf	700376 <small>0019c43514026058a7000d6e304ed3d9c5f81e75</small>	no	1

Warnings:

Information:

2	Assignee showing of ownership per 37 CFR 3.73.	2964P075_State37CFR373b_09_19_14.pdf	73186 <small>51446203100466f5bbdb87a485029768e3c14</small>	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			773562		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					



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11/948,965	11/30/2007	Samuel F. Wood	357323-990125

26379
DLA PIPER LLP (US)
2000 UNIVERSITY AVENUE
EAST PALO ALTO, CA 94303-2248

CONFIRMATION NO. 3783

MISCELLANEOUS NOTICE



Date Mailed: 09/10/2014

A communication which cannot be delivered in electronic form has been mailed to the applicant.


UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/948,965	11/30/2007	Samuel F. Wood	357323-990125

CONFIRMATION NO. 3783


OC00000070666683

26379
 DLA PIPER LLP (US)
 2000 UNIVERSITY AVENUE
 EAST PALO ALTO, CA 94303-2248

Cc: BLAKELY SOKOLOFF TAYLOR & ZAFMAN
 1279 OAKMEAD PARKWAY
 SUNNYVALE, CA 94085-4040

Date Mailed: 09/09/2014

DENIAL OF REQUEST FOR POWER OF ATTORNEY

The request for Power of Attorney filed 08/25/2014 is acknowledged. However, the request cannot be granted at this time for the reason stated below.

- The Power of Attorney you provided did not comply with the new Power of Attorney rules that became effective on June 25, 2004. See 37 CFR 1.32.
- The revocation is not signed by the applicant, the assignee of the entire interest, or one particular principal attorney having the authority to revoke.
- The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73(b) has not been received.
- The person signing for the assignee has omitted their empowerment to sign on behalf of the assignee.
- The inventor(s) is without authority to appoint attorneys since the assignee has intervened as provided by 37 CFR 3.71.
- The signature(s) of _____, a co-inventor in this application, has been omitted. The Power of Attorney will be entered upon receipt of confirmation signed by said co-inventor(s).
- The person(s) appointed in the Power of Attorney is not registered to practice before the U.S. Patent and Trademark Office.

Questions relating to this Notice should be directed to the Application Assistance Unit.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Patent Number	7,764,777
	Issue Date	July 27, 2010
	First Named Inventor	Samuel F. Wood
	Title	Branch Calling and Caller ID Based Call Routing Telephone Features
	Attorney Docket Number	002964.P075

I hereby revoke all previous powers of attorney given in the above-identified patent.

A Power of Attorney is submitted herewith.

OR

I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: 08791

OR

I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified patent to:

The address associated with the above-mentioned Customer Number.

OR

The address associated with Customer Number:

OR

Firm or Individual Name

Address

City State Zip

Country

Telephone Email

I am the:

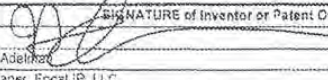
Inventor, having ownership of the patent.

OR

Patent owner.

Statement under 37 CFR 3.73(b) (Form PTO/SB/56) submitted herewith or filed on _____

SIGNATURE of Inventor or Patent Owner

Signature		Date	6/26/2014
Name	Jeff Adelstein	Telephone	(323) 866-3200
Title and Company	Manager, Focal IP, LLC		

NOTE: Signatures of all the inventors or patent owners of the entire interest or their representatives are required. Submit multiple forms if more than one signature is required, see below.

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to his (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9198 and select option 2.

Electronic Acknowledgement Receipt	
EFS ID:	19958280
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	26379
Filer:	Farzad Etemad Amini/Margaux Wolson
Filer Authorized By:	Farzad Etemad Amini
Attorney Docket Number:	357323-990125
Receipt Date:	25-AUG-2014
Filing Date:	30-NOV-2007
Time Stamp:	17:05:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	2964P075_PatentPOA_RevChange_08_25_14.pdf	700370 c1561a1d6c50e4711af9d3782baad218ba3a14e	no	1

Warnings:

Information:

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/948,965	11/30/2007	Samuel F. Wood	357323-990125	3783
26379	7590	05/01/2014	EXAMINER	
DLA PIPER LLP (US) 2000 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303-2248			SMITH, CREIGHTON H	
			ART UNIT	PAPER NUMBER
			2614	
			NOTIFICATION DATE	DELIVERY MODE
			05/01/2014	ELECTRONIC

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

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PatentDocketingUS-PaloAlto@dlapiper.com



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

In re Patent No. 7,764,777 :
Issue Date: July 27, 2010 :
Application No. 11/948,965 : NOTICE
Filed: November 30, 2007 :
Attorney Docket No. 357323-990125 :

This is a notice regarding your request, filed February 25, 2014, for acceptance of a fee deficiency submission under 37 CFR 1.28.

On September 1, 1998, the Court of Appeals for the Federal Circuit held that 37 CFR 1.28(c) is the sole provision governing the time for correction of the erroneous payment of the issue fee as a small entity. **See DH Technology v. Synergystex International, Inc. 154 F.3d 1333, 47 USPQ2d 1865 (Fed. Cir. Sept. 1, 1998).**

The Office no longer investigates or rejects original or reissue applications under 37 CFR 1.56. **1098 Off. Gaz. Pat. Office 502 (January 3, 1989)**. Therefore, nothing in this Notice is intended to imply that an investigation was done.

Your fee deficiency submission under 37 CFR 1.28 is hereby **ACCEPTED**.

This patent is no longer entitled to small entity status. Accordingly, all future fees paid in this patent must be paid at the large entity rate.

/Liana Walsh/
Liana Walsh
Petitions Paralegal Specialist
Office of Petitions

Office of Petitions: Routing Sheet



Application No. 11/948,965

This application is being forwarded to your office for further processing. A decision has been rendered on a petition filed in this application.

- GRANTED**
- DISMISSED**
- DENIED**

Office of Petitions: Decision Count Sheet

Mailing Month **4**

Application No.

11948965



For US serial numbers: enter number only, no slashes or commas. Ex: 10123456

For PCT: enter "51+single digit of year of filing+last 5 numbers", Ex. for PCT/US05/12345, enter 51512345

Deciding Official:

WALSH, LIANA

Count (1) - Palm Credit

11/948,965

Decision: **GRANT**

FINANCE WORK NEEDED
 Select Check Box for YES



Decision Type: **321 - 37 CFR 1.28 TO MAKE ENTITY STATUS LARGE FI**



Notes:

Count (2)

Decision: **n/a**

FINANCE WORK NEEDED
 Select Check Box for YES

Decision Type: **NONE**

Notes:

Count (3)

Decision: **n/a**

FINANCE WORK NEEDED
 Select Check Box for YES

Decision Type: **NONE**

Notes:

Initials of Approving Official (if required)

If more than 3 decisions, attach 2nd count sheet & mark this box

Printed on: 4/25/2014

Office of Petitions Internal Document - Ver. 5.0

Atty. Docket No.: 002964.P075

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the application of:)
Samuel F. Wood, et al.	) Examiner:
)
Application No.: 11/948,965	) Art Unit:
)
Filed: November 30, 2007)
	) Confirmation No.: 3783
Patent No.: 7,764,777)
)
Issued: July 27, 2010)
)
For: BRANCH CALLING AND CALLER ID)
BASED CALL ROUTING TELEPHONE)
FEATURES)
_____)

FEE DEFICIENCY SUBMISSION

Please fax to: Status & Entity Branch
Office of Finance at 571-273-6500
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

This is a Fee Deficiency Submission for the above-identified patent.

02/27/2014 MBANGURA 00000015 022666 7764777
 01 FC:1539 800.00 DA

FEE PAID INSUFFICIENTLY

Filing Date of Original Paper/Fee	Type of Fee Paid	Then Current Fee Amount as Large Entity	Amount Originally Paid	Amount of Fee Deficiency
January 23, 2014	Maintenancce Fee	\$1,600.00	\$800.00	\$800.00

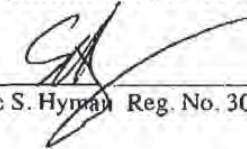
EXPLANATION

The patent was assigned to a large entity. Accordingly, Applicant has requested the Office of Finance change the entity size to large, and requests that any and all deficient fees due be charged to Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Dated: 2/25/2014

By: 
Eric S. Hyman Reg. No. 30,139

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, California 90025
(310) 207-3800

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being submitted to the USPTO Office of Finance via facsimile at 571-273-6500 on the date shown below.

 2/25/2014
Alexis Karriker Date

Please fax to: Status & Entity Branch, Office of Finance at 571-273-6500 or submit to:

Mail Stop M Correspondence
Director of the US Patent and Trademark Office
PO Box 1450
Alexandria, VA 22313-1450

Re: US Patent No. 7,764,777
Our Ref: 002964.P075

Dear Sir:

Please note that the applicant for the above-referenced patent qualifies as a **LARGE** entity.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Dated: 2/24/2014

By: 

Eric S. Hyman Reg. No. 30,139

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, California 90025
(310) 207-3800

CERTIFICATE OF FACSIMILE TRANSMISSION
I hereby certify that this correspondence is being submitted to the USPTO Office of Finance via facsimile at 571-273-6500 on the date shown below.

 2/24/14
Alexis Karriker Date



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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11/948,965	11/30/2007	Samuel F. Wood	357323.990125

26379
DLA PIPER LLP (US)
2000 UNIVERSITY AVENUE
EAST PALO ALTO, CA 94303-2248

CONFIRMATION NO. 3783
POA ACCEPTANCE LETTER



Date Mailed: 01/18/2012

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 01/09/2012.

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.

/stephanos/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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11/948,965	11/30/2007	Samuel F. Wood	TLM-103C1DIV

CONFIRMATION NO. 3783

POWER OF ATTORNEY NOTICE

49637
BERRY & ASSOCIATES P.C.
9229 SUNSET BOULEVARD
SUITE 630
LOS ANGELES, CA 90069



Date Mailed: 01/18/2012

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 01/09/2012.

- 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).

/s/stephanos/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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.

POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Patent Number	7,754,777
	Issue Date	July 27, 2010
	First Named Inventor	Wood
	Title	Branch Calling And Caller ID Based Call Routing Telephone Features
	Art Unit	2814
	Examiner Name	Smith, Creighton H.
Attorney Docket Number	367325-880125	

I hereby revoke all previous powers of attorney given in the above-identified application.

A Power of Attorney is submitted herewith.

OR

I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

26379

OR

I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number.

OR

The address associated with Customer Number.

Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email


I am the:

Applicant/Inventor.

OR

Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) (Form PTO/SB/86) submitted herewith or filed on _____

SIGNATURE of Applicant or Assignee of Record

Signature: 

Name: John Klein

Date: 1/5/12

Telephone: 650 948 0463

Title and Company: Managing Director, Telemaze LLC

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9799 and select option 2.

American LegalNet, Inc.
www.Forms84ptow.com

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.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Wood, Samuel F.; Klein, Jerry A. & Asprey, Margaret SusanApplication No./Patent No.: 7,764,777 Filed/Issue Date: July 27, 2010

Entitled: Branch Calling And Caller ID Based Call Routing Telephone Features

Telemaze LLC _____ a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest in;
2. an assignee of less than the entire right, title and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
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 follows:

1. From: Wood, Samuel F. & Klein, Jerry A. To: Telemaze, Inc.

The document was recorded in the United States Patent and Trademark Office at
Reel 014034, Frame 0043, or for which a copy thereof is attached.

2. From: Asprey, Margaret Susan To: Telemaze, Inc.

The document was recorded in the United States Patent and Trademark Office at
Reel 015613, Frame 0269, or for which a copy thereof is attached.

3. From: Telemaze, Inc. To: Telemaze LLC

The document was recorded in the United States Patent and Trademark Office at
Reel 018844, Frame 0708, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.05)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Jerry Klein
Signature

1/5/12
Date

Jerry Klein
Printed or Typed Name

Managing Director,
Telemaze LLC
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. The collection is estimated to take 10 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22310-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-5199 and select option 2.



Electronic Acknowledgement Receipt	
EFS ID:	11794868
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	49637
Filer:	Alan A. Limbach/Kathleen LaBrie
Filer Authorized By:	Alan A. Limbach
Attorney Docket Number:	TLM-103C1DIV
Receipt Date:	09-JAN-2012
Filing Date:	30-NOV-2007
Time Stamp:	19:03:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	990125_Power_of_Attorney.pdf	405132 9123319329991006443262578999109953	no	1

Warnings:

Information:

2	Assignee showing of ownership per 37 CFR 3.73(b).	990125_Statement_37CFR373.pdf	390766 <small>6f71727cc3ccca739ba7145td0677158e18c0</small>	no	1
Warnings:					
Information:					
Total Files Size (in bytes):				795898	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					



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.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/948,965	07/27/2010	7764777	TLM-103C1DIV	3783

49637 7590 07/07/2010
BERRY & ASSOCIATES P.C.
9229 SUNSET BOULEVARD
SUITE 630
LOS ANGELES, CA 90069

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Samuel F. Wood, Los Altos Hills, CA;
Jerry A. Klein, Los Altos, CA;
Margaret Susan Asprey, Los Altos, CA;



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.
11/948,965	11/30/2007	Samuel F. Wood	TLM-103C1DIV	3783

7590 08/23/2010
BERRY & ASSOCIATES P.C.
9229 SUNSET BOULEVARD
SUITE 630
LOS ANGELES, CA 90069

EXAMINER
SMITH, CREIGHTON H

ART UNIT PAPER NUMBER
2614

MAIL DATE DELIVERY MODE
06/23/2010 PAPER

NOTICE OF NON-COMPLIANT INFORMATION DISCLOSURE STATEMENT

An Information Disclosure Statement (IDS) filed 06-07-10 in the above-identified application fails to meet the requirements of 37 CFR 1.97(d) for the reason(s) specified below. Accordingly, the IDS will be placed in the file, but the information referred to therein has not been considered.

The IDS is not compliant with 37 CFR 1.97(d) because:

- The IDS lacks a statement as specified in 37 CFR 1.97(e).
- The IDS lacks the fee set forth in 37 CFR 1.17(p).
- The IDS was filed after the issue fee was paid. Applicant may wish to consider filing a petition to withdraw the application from issue under 37 CFR 1.313(c) to have the IDS considered. See MPEP 1308.

571-272-4200 or 1-888-786-0101
Application Assistance Unit
Office of Data Management

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

49637 7590 03/19/2010
 BERRY & ASSOCIATES P.C.
 9229 SUNSET BOULEVARD
 SUITE 630
 LOS ANGELES, CA 90069

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)
_____ (Signature)
_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/948,965	11/30/2007	Samuel F. Wood	TLM-103C1DIV	3783

TITLE OF INVENTION: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	06/21/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
SMITH, CREIGHTON H	2614	379-142020

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 Berry & Associates P.C.
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
 PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE TELEMAZE LLC (B) RESIDENCE: (CITY and STATE OR COUNTRY) LOS ALTOS, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:
 Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies 6

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
 A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-3102 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)
 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature /Reena Kuyper/ Date June 16, 2010
 Typed or printed name Reena Kuyper Registration No. 33,830

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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.

Electronic Patent Application Fee Transmittal				
Application Number:	11948965			
Filing Date:	30-Nov-2007			
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES			
First Named Inventor/Applicant Name:	Samuel F. Wood			
Filer:	Reena Kuyper			
Attorney Docket Number:	TLM-103C1DIV			
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Publ. Fee- early, voluntary, or normal	1504	1	300	300
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl issue fee	2501	1	755	755

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Printed copy of patent - no color	800T	6	3	18
Total in USD (\$)				1073

Electronic Acknowledgement Receipt	
EFS ID:	7831246
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	49637
Filer:	Reena Kuyper
Filer Authorized By:	
Attorney Docket Number:	TLM-103C1DIV
Receipt Date:	16-JUN-2010
Filing Date:	30-NOV-2007
Time Stamp:	22:45:37
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$1073
RAM confirmation Number	7923
Deposit Account	503102
Authorized User	
<p>The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:</p> <ul style="list-style-type: none"> Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees) 	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)
 Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)
 Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	TLM-103C1DIV_Issue_Fee_Transmittal_6-16-10.pdf	221318 d10f00e88a751eb5e4c9b0f3ee02cc0f4d839a	no	1

Warnings:

Information:

2	Fee Worksheet (PTO-875)	fee-info.pdf	33627 03028b386e976f6f07441b24bfac90e2e70ae8	no	2
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Warnings:

Information:

Total Files Size (in bytes):	254945
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1DIV	SERIAL NO. 11/948,965
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	2004/0240657 A1	12-02-2004	Camarillo	379	221.02	-----	
	2004/0264673 A1	12-30-2004	Novack	379	221.11	-----	
	5,469,500	11-21-1995	Satter et al.	379	201	-----	
	6,327,258	12-04-2001	Deschaine et al.	370	356	-----	
	6,643,282	11-04-2003	Christie	370	352	-----	
	7,123,708	10-17-2006	Gavillet	379	219	-----	
	7,242,759	07-10-2007	Sanchez et al.	379	219	-----	
	7,436,851	10-14-2008	Chambers et al.	370	325	-----	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATI YE NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	

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

Electronic Acknowledgement Receipt	
EFS ID:	7764442
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	49637
Filer:	Reena Kuyper
Filer Authorized By:	
Attorney Docket Number:	TLM-103C1DIV
Receipt Date:	07-JUN-2010
Filing Date:	30-NOV-2007
Time Stamp:	22:36:54
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	TLM-103C1DIV_IDS_placed_in_file_final_6-7-10.pdf	27494 42cd8a004e52ef0110b461c08ae911d00c9b2	no	3

Warnings:

Information:

2	Information Disclosure Statement (IDS) Filed (SB/08)	TLM-103C1DIV_PTO_1449_fina l_6-7-10.pdf	26013 <small>6fa888bcae905d062c453271d21ee26102747</small>	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
Total Files Size (in bytes):			53507		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	)	Customer No.:	49,637
)		
Samuel F. WOOD, et al.	)	Confirmation No.:	3783
)		
Serial No.:	)	Group Art Unit:	2614
11/948,965)		
)		
Filed:	)	Examiner:	Creighton H. Smith
June 7, 2006)		
)		
For:	)	Docket No.:	TLM-103.C1DIV
BRANCH CALLING AND CALLER ID)		
BASED CALL ROUTING TELEPHONE)		
FEATURES)		
)		

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.97(i)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 CFR § 1.56, 37 CFR §§ 1.97, and 1.98, after receiving the Notice of Allowance, Applicants recently became aware of the following documents, none of which are relevant to the claims allowed. Nevertheless, Applicants request that these documents should be placed in the file wrapper in accordance with 37 C.F.R. 1.97(i) for future access by others. These documents are listed in the attached forms PTO-1449. These documents are also cited in related pending application serial numbers 11/428,822 and 11/428,825. Applicants indicate below a brief description of each reference. The references pertain to fundamental call routing architecture and operations executed within a single carrier network as opposed to the Applicants' inventions, which are directed to architecture and operations that apply call features to the fundamental call routing operations over multiple carrier networks.

Application No.: 11/948,965

1. U.S. Patent No. 5,469,500 describes a method and apparatus for delivering calling services by contemplating an AIN (Advanced Intelligent Network) architecture, different from the existing network structure, with software upgrades to this AIN to implement calling services.
2. Publication No. 2004/0264673 A1 describes an architecture to connect disparate peripherals in a network, not to execute features as in Applicants' inventions. In addition, it should be noted that this publication is dated December 30, 2004, after the effective filing date of this application, which is May 4, 2000. The filing date is June 30, 2003.
3. Publication No. 2004/0240657 A1 describes an architecture for routing schemes in the network to route calls to different tandems in the network. This publication is dated December 2, 2004, after the effective filing date of this application, which is May 4, 2000. The filing date is May 28, 2003.
4. U.S. Patent No. 7,436,851 describes using ATM (Asynchronous Transfer Mode) and other transmission facilities for routing within IP or PSTN networks. There is no disclosure of any calling features.
5. U.S. Patent No. 7,123,708 describes an architecture for IP routing of calls (by connecting different networks and carriers) within the internet. It does not describe applying any features to call routing operations of the network. This patent issued on October 14, 2008, and has a filing date of March 29, 1999.
6. U.S. Patent No. 7,242,759 describes an architecture for routing of calls in the network specifically to 800 numbers. The patent issued on October 14, 2008 and has a filing date of March 29, 1999.
7. U.S. Patent No. 6,643,282 describes a major network architecture proposed by Sprint Communications Company LP. There is no disclosure of applying features.

Application No.: 11/948,965

8. U.S. Patent No. 6,327,258 describes an architecture and operations for connecting the PSTN (Public Switched Telephone Network) with Internet data networks utilizing ATM. The architecture is for routing calls in a single network.

Applicants submit that the claims, as allowed, are distinct from the teachings in these references. Applicants also believe that there are no fees in connection with this submission; however, in the event the U.S. Patent Office determines that fees are necessary, please charge them to Berry & Associates P.C.'s Deposit Account No. **50-3102**.

Respectfully submitted,
BERRY & ASSOCIATES P.C.

Dated: June 7, 2010

By: /Reena Kuyper/
Reena Kuyper
Registration No. 33,830

9229 Sunset Blvd., Suite 630
Los Angeles, California 90069
(310) 247-2860
Customer No. 49,637



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

NOTICE OF ALLOWANCE AND FEE(S) DUE

49637 7590 03/19/2010
BERRY & ASSOCIATES P.C.
9229 SUNSET BOULEVARD
SUITE 630
LOS ANGELES, CA 90069

EXAMINER
SMITH, CREIGHTON H
ART UNIT PAPER NUMBER
2614
DATE MAILED: 03/19/2010

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

TITLE OF INVENTION: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

49637 7590 03/19/2010
BERRY & ASSOCIATES P.C.
9229 SUNSET BOULEVARD
SUITE 630
LOS ANGELES, CA 90069

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)
_____ (Signature)
_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/948,965	11/30/2007	Samuel F. Wood	TLM-103C1DIV	3783

TITLE OF INVENTION: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	06/21/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
SMITH, CREIGHTON H	2614	379-142020

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 1
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. _____ 2
 _____ 3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
 PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.
 (A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY AND STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:
 Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
 A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)
 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____
 Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 11/948,965, 11/30/2007, Samuel F. Wood, TLM-103C1DIV, 3783
Row 2: 49637, 7590, 03/19/2010, [Empty], [Empty]
Text: BERRY & ASSOCIATES P.C., 9229 SUNSET BOULEVARD, SUITE 630, LOS ANGELES, CA 90069
Text: EXAMINER SMITH, CREIGHTON H
Text: ART UNIT 2614, PAPER NUMBER
Text: DATE MAILED: 03/19/2010

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	11/948,965	WOOD ET AL.	
	Examiner	Art Unit	
	CREIGHTON SMITH	2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to rice filed on 22 FEB '10.
2. The allowed claim(s) is/are 1,3-7,10 and 12-50.
3. 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 the:
 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)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>02.17.2010</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|--|--|

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The prior art fails to disclose edge switches for local and other switching facilities; a controlling apparatus that will receive a 1st call and then initiating a 2nd call in accordance with control criteria entered by a specified user thru the Internet, and then the controlling device coupling the 1st and 2nd calls together. No obvious combination of references would have taught one of ordinary skill in the art to make and use applicant's method as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CREIGHTON SMITH whose telephone number is (571)272-7546. The examiner can normally be reached on 5-4-9.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curt Kuntz can be reached on 27499. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 11/948,965
Art Unit: 2614

Page 3

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CREIGHTON SMITH/
Primary Examiner, Art Unit 2614

15 MAR '10

Index of Claims 	Application/Control No. 11948965	Applicant(s)/Patent Under Reexamination WOOD ET AL.
	Examiner CREIGHTON SMITH	Art Unit 2614

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected


Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	03/05/2009	10/08/2009	03/15/2010					
1	1	✓	✓	=					
	2	✓	-	-					
2	3	✓	✓	=					
3	4	✓	✓	=					
4	5	✓	✓	=					
5	6	✓	✓	=					
6	7	✓	✓	=					
	8	✓	-	-					
	9	✓	-	-					
7	10	✓	✓	=					
	11	✓	-	-					
8	12	✓	✓	=					
9	13	✓	✓	=					
10	14	✓	✓	=					
11	15	✓	✓	=					
12	16	✓	✓	=					
13	17	✓	✓	=					
14	18		✓	=					
15	19		✓	=					
16	20		✓	=					
17	21		✓	=					
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23	27			=					
24	28			=					
25	29			=					
26	30			=					
27	31			=					
28	32			=					
29	33			=					
30	34			=					
31	35			=					
32	36			=					

Index of Claims 	Application/Control No. 11948965	Applicant(s)/Patent Under Reexamination WOOD ET AL.
	Examiner CREIGHTON SMITH	Art Unit 2614

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47			
CLAIM		DATE							
Final	Original	03/05/2009	10/08/2009	03/15/2010					
33	37			=					
34	38			=					
35	39			=					
36	40			=					
37	41			=					
38	42			=					
39	43			=					
40	44			=					
41	45			=					
42	46			=					
43	47			=					
44	48			=					
45	49			=					
46	50			=					


Issue Classification 	Application/Control No. 11948965	Applicant(s)/Patent Under Reexamination WOOD ET AL.
	Examiner CREIGHTON SMITH	Art Unit 2614

ORIGINAL						INTERNATIONAL CLASSIFICATION												
CLASS			SUBCLASS			CLAIMED					NON-CLAIMED							
379			220.01			H	O	A	M	7 / 00 (2006.01.01)								
CROSS REFERENCE(S)																		
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																	
379	221.01																	

Claims renumbered in the same order as presented by applicant CPA T.D. R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	13	17	29	33	45	49								
	2	14	18	30	34	46	50								
2	3	15	19	31	35										
3	4	16	20	32	36										
4	5	17	21	33	37										
5	6	18	22	34	38										
6	7	19	23	35	39										
	8	20	24	36	40										
	9	21	25	37	41										
7	10	22	26	38	42										
	11	23	27	39	43										
8	12	24	28	40	44										
9	13	25	29	41	45										
10	14	26	30	42	46										
11	15	27	31	43	47										
12	16	28	32	44	48										

NONE	Total Claims Allowed: 46	
(Assistant Examiner)	(Date)	
/CREIGHTON SMITH/ Primary Examiner, Art Unit 2614	15 MAR '10	O.G. Print Claim(s) O.G. Print Figure
(Primary Examiner)	(Date)	1 1

Search Notes 	Application/Control No. 11948965	Applicant(s)/Patent Under Reexamination WOOD ET AL.
	Examiner CREIGHTON SMITH	Art Unit 2614

SEARCHED			
Class	Subclass	Date	Examiner
379	211.04	05 MAR '09	chs
379	220.01, 221.02, 201.01,	15 MAR '10	chs

SEARCH NOTES			
Search Notes		Date	Examiner
EAST		05 MAR '09	chs
EAST		08 OCT '09	chs
EAST		15 MAR '10	chs

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
EAST		15 MAR '10	chs

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	50	(@ad<="20000504") and controller with tandem near4 switch	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/03/15 14:00
L2	11	(@ad<="20000504") and controller with tandem adj switch	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/03/15 14:01
L3	3	(@ad<="20000504") and tandem adj access adj controller	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/03/15 14:01
L4	11	(@ad<="20000504") and controller with tandem adj switch	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/03/15 14:02
L5	50	(@ad<="20000504") and controller with tandem near4 switch	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/03/15 14:12
L6	6275	(@ad<="20000504") and (process\$3 or control\$3) with (edge near5 switch\$2 or central near5 office\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/03/15 15:20
L7	27	6 and ((second or another or other) near4 call with (control \$4 or process\$3) with first with second with calls with (control\$4 or process\$3))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/03/15 15:26

EAST Search History (Interference)

< This search history is empty >

3/ 15/ 2010 3:46:45 PM

C:\ Documents and Settings\ Csmith1\ My Documents\ EAST\ Workspaces\ 11-393977.wsp

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1DIV	SERIAL NO. 11/948,965
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	2001/0022784	09-2001	Menon et al.	-----	-----	-----	
	2001/0030950	10-2001	Chen et al.	-----	-----	-----	
	4,313,035	01-1982	Jordan et al.	-----	-----	-----	
	4,348,554	09-1982	Asmuth	-----	-----	-----	
	4,611,094	09-1986	Asmuth et al.	-----	-----	-----	
	4,611,096	09-1986	Asmuth et al.	-----	-----	-----	
	4,953,198	08-1990	Daly et al.	-----	-----	-----	
	4,973,837	11-1990	Bradbeer	-----	-----	-----	
	5,297,191	03-1994	Gerszberg	-----	-----	-----	
	5,311,582	05-1994	Davenport et al.	-----	-----	-----	
	5,428,663	06-1995	Grimes et al.	-----	-----	-----	
	5,448,623	09-1995	Wiedeman et al.	-----	-----	-----	
	5,455,853	10-1995	Cebulka et al.	-----	-----	-----	
	5,471,616	11-1995	Johnson et al.	-----	-----	-----	
	5,495,567	02-1996	Iizawa et al.	-----	-----	-----	
	5,497,339	03-1996	Bernard	-----	-----	-----	
	5,557,658	09-1996	Gregorek et al.	-----	-----	-----	
	5,563,937	10-1996	Bruno et al.	-----	-----	-----	
	5,606,594	02-1997	Register et al.	-----	-----	-----	
	5,628,004	05-1997	Gormley et al.	-----	-----	-----	
	5,646,945	07-1997	Bergler	-----	-----	-----	
	5,727,057	03-1998	Emery et al.	-----	-----	-----	

EXAMINER: /Creighton Smith/	DATE CONSIDERED: 03/15/2010
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

Information Disclosure Statement - Section 9 PTO-1449

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FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1DIV	SERIAL NO. 11/948,965
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	5,727,057	03-1998	Emery et al.	-----	-----	-----	
	5,732,074	03-1998	Spaur et al.	-----	-----	-----	
	5,732,216	03-1998	Logan et al.	-----	-----	-----	
	5,737,533	04-1998	De Hond	-----	-----	-----	
	5,742,905	04-1998	Pepe et al.	-----	-----	-----	
	5,806,057	09-1998	Gormley et al.	-----	-----	-----	
	5,838,665	11-1998	Kahn et al.	-----	-----	-----	
	5,850,433	12-1998	Rondeau	-----	-----	-----	
	5,859,972	01-1999	Subramaniam et al.	-----	-----	-----	
	5,875,405	02-1999	Honda	-----	-----	-----	
	5,878,418	03-1999	Polcyn et al.	-----	-----	-----	
	5,894,473	04-1999	Dent	-----	-----	-----	
	5,894,595	04-1999	Foladare et al.	-----	-----	-----	
	5,913,029	06-1999	Shostak	-----	-----	-----	
	5,915,008	06-1999	Dulman	-----	-----	-----	
	5,918,172	06-1999	Saunders et al.	-----	-----	-----	
	5,930,700	07-1999	Pepper et al.	-----	-----	-----	
	5,933,778	08-1999	Buhrmann et al.	-----	-----	-----	
	5,938,757	08-1999	Bertsch	-----	-----	-----	
	5,960,340	09-1999	Fuentes	-----	-----	-----	
	5,970,059	10-1999	Ahopelto et al.	-----	-----	-----	
	5,991,394	11-1999	Dezonno et al.	-----	-----	-----	

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Information Disclosure Statement - Section 9 PTO-1449

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	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	6,006,272	12-1999	Aravamudan et al.	-----	-----	-----	
	6,014,437	01-2000	Acker et al.	-----	-----	-----	
	6,020,916	02-2000	Gerszberg et al.	-----	-----	-----	
	6,028,917	02-2000	Creamer et al.	-----	-----	-----	
	6,031,904	02-2000	An et al.	-----	-----	-----	
	6,044,403	03-2000	Gerszberg et al.	-----	-----	-----	
	6,075,992	06-2000	Moon et al.	-----	-----	-----	
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	6,084,584	07-2000	Nahi et al.	-----	-----	-----	
	6,094,478	07-2000	Shepherd et al.	-----	-----	-----	
	6,104,800	08-2000	Benson	-----	-----	-----	
	6,141,341	10-2000	Jones et al.	-----	-----	-----	
	6,161,134	12-2000	Wang et al.	-----	-----	-----	
	6,163,598	12-2000	Moore	-----	-----	-----	
	6,167,040	12-2000	Haeggstrom	-----	-----	-----	
	6,175,860	01-2001	Gaucher	-----	-----	-----	
	6,188,688	02-2001	Buskirk, Jr.	-----	-----	-----	
	6,212,261	04-2001	Meubus et al.	-----	-----	-----	
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	6,240,097	05-2001	Wesloek et al.	-----	-----	-----	
	6,259,692	07-2001	Shtivelman et al.	-----	-----	-----	
	6,262,978	07-2001	Bruno et al.	-----	-----	-----	

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Information Disclosure Statement - Section 9 PTO-1449

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	6,266,539	07-2001	Pardo	-----	-----	-----	
	6,301,609	10-2001	Aravamudan et al.	-----	-----	-----	
	6,308,201	10-2001	Pivowar et al.	-----	-----	-----	
	6,334,126	12-2001	Nagatomo et al.	-----	-----	-----	
	6,337,858	01-2002	Petty et al.	-----	-----	-----	
	6,359,892	03-2002	Szlam et al.	-----	-----	-----	
	6,385,308	05-2002	Cohen et al.	-----	-----	-----	
	6,404,764	06-2002	Jones et al.	-----	-----	-----	
	6,411,615	06-2002	DeGolia et al.	-----	-----	-----	
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	6,414,962	07-2002	Hall et al.	-----	-----	-----	
	6,418,198	07-2002	Brablec et al.	-----	-----	-----	
	6,421,235	07-2002	Ditzik	-----	-----	-----	
	6,445,694	09-2002	Swartz	-----	-----	-----	
	6,445,697	09-2002	Fenton	-----	-----	-----	
	6,446,127	09-2002	Shuster et al.	-----	-----	-----	
	6,448,978	09-2002	Salvador et al.	-----	-----	-----	
	6,456,594	09-2002	Kaplan et al.	-----	-----	-----	
	6,456,601	09-2002	Kozdon et al.	-----	-----	-----	
	6,477,565	11-2002	Daswani et al.	-----	-----	-----	
	6,477,576	11-2002	Angwin et al.	-----	-----	-----	
	6,483,902	11-2002	Stewart et al.	-----	-----	-----	

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Information Disclosure Statement - Section 9 PTO-1449

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	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	6,493,338	12-2002	Preston et al.	-----	-----	-----	
	6,496,477	12-2002	Perkins et al.	-----	-----	-----	
	6,526,462	02-2003	Elabd	-----	-----	-----	
	6,539,359	03-2003	Ladd et al.	-----	-----	-----	
	6,577,622	06-2003	Shuster et al.	-----	-----	-----	
	6,584,490	06-2003	Shuster et al.	-----	-----	-----	
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	6,741,586	05-2004	Shuster et al.	-----	-----	-----	
	6,785,266	08-2004	Swartz	-----	-----	-----	
	6,795,429	09-2004	Shuster et al.	-----	-----	-----	
	6,804,224	10-2004	Shuster et al.	-----	-----	-----	
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	6,853,714	02-2005	Liljestrands et al.	-----	-----	-----	
	6,856,616	02-2005	Shuster et al.	-----	-----	-----	
	6,857,021	02-2005	Shuster et al.	-----	-----	-----	
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	6,870,830	03-2005	Shuster et al.	-----	-----	-----	
	6,914,897	07-2005	Shuster et al.	-----	-----	-----	
	6,937,699	08-2005	Shuster et al.	-----	-----	-----	

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Information Disclosure Statement - Section 9 PTO-1449

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	FILING DATE: November 30, 2007	GROUP: 2614

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	NO	
	DE19813179	09-1999	DE	-----	-----	X		
	EP0578374	01-1994	EP	-----	-----			
	EP0704788	04-1996	EP	-----	-----			
	EP0858202	08-1998	EP	-----	-----			
	EP0869688	10-1998	EP	-----	-----			
	EP0881848	12-1998	EP	-----	-----			
	EP0918423	10-1998	EP	-----	-----			
	WO01/024496	04-2001	WO	-----	-----			
	WO01/024498	04-2001	WO	-----	-----			
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	WO01/024502	04-2001	WO	-----	-----			
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	WO97/33421	09-1997	WO	-----	-----			
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	WO98/04065	01-1998	WO	-----	-----			
	WO98/10538	03-1998	WO	-----	-----			

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Information Disclosure Statement - Section 9 PTO-1449

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	NO
		WO98/16051	04-1998	WO	-----	-----		
		WO98/21911	05-1998	WO	-----	-----		
		WO98/30008	07-1998	WO	-----	-----		
		WO98/37665	08-1998	WO	-----	-----		
		WO99/12365	03-1999	WO	-----	-----		
		WO99/19988	04-1999	WO	-----	-----		
		WO99/20059	04-1999	WO	-----	-----		
		WO99/35802	07-1999	WO	-----	-----		
		WO99/45687	09-1999	WO	-----	-----		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
EXAMINER INITIAL		
	1	RFC 3298 Service in the PSTN, August 2002
	2	Implementing Automatic Location Update for Follow-Me database using VoIP and Bluetooth Technologies, IEEE Transaction on computers, Vol. 51, No. 10, October 2002
	3	New services demand integration, Electronic Engineering Times, Aug. 28, 2000, Iss. 1128; pg. 110
	4	Natural Microsystems, M2 Presswire, Coventry; Aug. 18, 2000
	5	This pipe dream will come true: Voice Over Internet Protocol (VoIP) technology will make the phone Box something that really talks, Businessline, Chennai; Apr 17, 2002
	6	Using Optimization to Achieve Efficient Quality of Service in Voice over IP Networks, IEEE 2003
	7	Broadsoft literature Broadworks overview, Copyright date 2002
	8	BroadSoft introduces industry's first complete service delivery and creation product suite for enhanced telephony services Broadworks, ATM Newsletter: Boston: March 2000, vol. 9, Iss. 3, pg 13
	9	BroadSoft unveils advanced architecture for the rapid and cost effective delivery of enhanced communications services, Website, August 25, 1999, Press releases, 3 pages.
	10	U.S. patent application Ser. No. 09/406,322, Schuster et al., filed Sep. 27, 1999
	11	U.S. patent application Ser. No. 09/515,798, Schuster et al., filed Feb. 29, 2000

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Information Disclosure Statement – Section 9 PTO-1449

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Information Disclosure Statement – Section 9 PTO-1449

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KCE/IFW

PTO/SB/30 (07-09)
 Approved for use through 07/31/2012. OMB 0651-0031
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Request for Continued Examination (RCE) Transmittal

Address to:
 Mail Stop RCE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Application Number	11/948,965
Filing Date	June 7, 2006
First Named Inventor	Samuel F. Wood
Art Unit	2614
Examiner Name	Creighton H. Smith
Attorney Docket Number	TLM-103C1DIV

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
 Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

a. Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

i. Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

ii. Other _____

b. Enclosed

i. Amendment/Reply

ii. Affidavit(s)/ Declaration(s)

iii. Information Disclosure Statement (IDS)

iv. Other _____

2. **Miscellaneous**

a. Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

b. Other _____

3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed. The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Deposit Account No. 50-3102

a. RCE fee required under 37 CFR 1.17(e)

ii. Extension of time fee (37 CFR 1.136 and 1.17)

iii. Other _____

b. Check in the amount of \$ _____ enclosed

c. Payment by credit card (Form PTO-2038 enclosed)

02/23/2010 EAREGAY1 00000000 563102 11948965

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.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature	/Reena Kuyper/	Date	February 16, 2010
Name (Print/Type)	Reena Kuyper	Registration No.	33,830

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature	/Reena Kuyper/	Date	February 16, 2010
Name (Print/Type)	Reena Kuyper		

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

02/23/2010 EAREGAY1 00000000 11948965
 01 FC:2801 405.00 DA



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

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) FY 2009 <i>(Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).)</i>		Docket Number (Optional) TLM-103C1DIV	
Application Number 11/948,965		Filed June 7, 2006	
For BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES			
Art Unit 2614		Examiner Creighton H. Smith	
This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application. The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):			
	<u>Fee</u>	<u>Small Entity Fee</u>	
<input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$130	\$65	\$ <u>65.00</u>
<input type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$490	\$245	\$ _____
<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$1110	\$555	\$ _____
<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$1730	\$865	\$ _____
<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$2350	\$1175	\$ _____
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		02/23/2010 EAREGAY1 00000000 503102 11948965 02 FC:2051 65.00 DA	
<input type="checkbox"/> A check in the amount of the fee is enclosed.			
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.			
<input type="checkbox"/> The Director has already been authorized to charge fees in this application to a Deposit Account.			
<input checked="" type="checkbox"/> The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number <u>50-3102</u> .			
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.			
I am the <input type="checkbox"/> applicant/inventor.			
<input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).			
<input checked="" type="checkbox"/> attorney or agent of record. Registration Number <u>33,830</u>			
<input type="checkbox"/> attorney or agent under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34 _____			
<u>/Reena Kuyper/</u>		<u>February 16, 2010</u>	
Signature		Date	
<u>Reena Kuyper</u>		<u>(310) 247-2860</u>	
Typed or printed name		Telephone Number	
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.			
<input type="checkbox"/> Total of _____ forms are submitted.			

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Application No.:

11/948,965



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:	)	Customer No.:	49,637
Samuel F. WOOD, et al.	)	Confirmation No.:	3783
Serial No.: 11/948,965	)	Group Art Unit:	2614
Filed: June 7, 2006	)	Examiner:	Creighton H. Smith
For: BRANCH CALLING AND CALLER ID	)	Docket No.:	TLM-103.C1DIV
BASED CALL ROUTING TELEPHONE	)	Office Action dated:	October 13, 2009
FEATURES)		

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

SUBSTANCE OF PERSONAL INTERVIEW WITH THE EXAMINER

Dear Sir:

I. Participants (on behalf of the U.S. Patent Office)

Examiner Creighton Smith

Participants (on behalf of the Applicants)

Samuel F. Wood (Inventor)
 Jerry A. Klein (Inventor)
 Reena Kuyper (Representative of the Applicant)

II. Date of Interview: January 11, 2010

III. Prior Art Discussed

- a. Schwab, et al. (U.S. Patent 6,381,323)
- b. Sidhu, et al. (U.S. Patent 6,744,759) & Shah, et al. (U.S. Patent 6,041,325)

Application No.:

11/948,965

III. Discussion

Applicants and Applicants' Representative presented the differences between the rejected claims and Schwab et al., and other prior art. The major difference lies in that Applicants' architecture permits subscribers to apply features via web access to a controlling device that connects to a switching facility (tandem access switch also referred by other terminology in the industry) so that the features are not limited to a local geographic area. In Schwab, the features are applied at the end office switch, therefore, they are limited only within a local geographic area.

Respectfully submitted,

BERRY & ASSOCIATES P.C.

Dated: February 16, 2010

By: /Reena Kuyper/

Reena Kuyper

Registration No. 33,830

9229 Sunset Blvd., Suite 630
Los Angeles, CA 90069
(310) 247-2860

Application No.: 11/948,965
Reply to Office Action of: October 13, 2009



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	)	Customer No.:	49,637
Samuel F. WOOD, et al.	)	Confirmation No.:	3783
Serial No.: 11/948,965	)	Group Art Unit:	2614
Filed: June 7, 2006	)	Examiner:	Creighton H. Smith
For: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES	)	Docket No.:	TLM-103.C1DIV
	)	Office Action dated:	October 13, 2009

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**AMENDMENT & RESPONSE TO FINAL OFFICE ACTION SUBMITTED WITH
REQUEST FOR CONTINUED EXAMINATION ("RCE")**

Dear Sir:

Prior to examination of this application and in response to the final office action dated October 13, 2009, and further to a personal interview on January 11, 2010, please amend the application as indicated in the following pages. Applicants appreciate the courtesy extended by the Examiner in granting the personal interview and during the interview.

The **Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this submission.

The **Remarks/Arguments** begin on page 15 of this submission.

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03 FC:2201 440.00 DA

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IN THE CLAIMS:

Please amend the claims as indicated. A complete set of the claims is included below, reflecting added subject matter (*with underlining*) and deleted subject matter (*with strikethrough*), as well as the current status of each claim. This listing of claims will replace all prior versions and listings of the claims in this application:

1. (Currently Amended) A method performed by a web-enabled processing system connected ~~within~~ to operate at least in part with a communication network ~~the public-switched telephone network (PSTN)~~ comprising edge switches for routing calls from and to subscribers within a local geographic area and switching facilities for routing calls to other edge switches or other switching facilities local or in other geographic areas, the method comprising the steps of:

receiving a call in response to a calling party entering a first number, using a communications device, intended for a subscriber, the web-enabled processing system coupled to at least one switching facility of the communication network, the web-enabled processing system processing the call pursuant to at least one calling feature designated by said subscriber, where the at least one calling feature had previously been communicated to the web-enabled processing system by said subscriber via the internet;

placing at least two calls simultaneously to at least two different communications devices designated by the subscriber;

detecting that the call has been answered at one of the communications devices;
and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between the calling party's communications device and the answered communications device.

2. (Canceled)

3. (Previously Presented) The method of Claim 1 further comprising:

detecting first information about the source of the call;

associating the first information with a calling feature, previously selected by the subscriber to be performed on the call, the calling feature being to forward the call to at least two communications devices; and
simultaneously placing at least two calls to at least two communications devices.

4. (Previously Presented) The method of Claim 1 wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

5. (Currently Amended) The method of Claim 1 wherein, when one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the processing system, and the processing system ~~terminates~~ abandons the other calls.

6. (Original) The method of Claim 5 wherein the answer supervision is pursuant to the SS7 signaling protocol.

7. (Currently Amended) The method of Claim 1 wherein the web-enabled processing system is connected to the switching facility, which is a PSTN tandem switch within the communication network, which is a public switched telephone network (PSTN) PSTN, and wherein receiving a call from a calling party comprises the steps of:

receiving a first call through the tandem switch from the calling party intended for the subscriber after the calling party has entered a first telephone number, the first telephone number being the subscriber's public telephone number, said processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

8. (Canceled)

9. (Canceled)

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10. (Currently Amended) A controller connected within the public switched telephone network (PSTN) and configured to perform enhanced routing operations, comprising:

a processing system connected within the PSTN and linked ~~to~~ via the internet for selecting at least one calling feature ~~via the internet~~, the processing system ~~programmed~~ configured to perform the steps of the process comprising:

receiving a call from a calling party, using a communications device, intended for a subscriber, whereby said processing system implements a calling feature previously designated by said subscriber via the internet;

placing at least two calls simultaneously to at least two different communications devices previously designated by the subscriber;

detecting that the call has been answered at one of the communications devices;
and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between the calling party's communications device and the answered communications device.

11. (Canceled)

12. (Currently Amended) The controller of Claim 10 wherein the processing system is ~~programmed~~ configured to perform the process comprising the additional steps of:

detecting first information about the source of the call;

associating the first information with a feature, selected by the subscriber, to be performed on the call, the feature being to forward the call to the at least two different communications devices; and

simultaneously placing the at least two calls to the at least two different communications devices.

13. (Previously Presented) The controller of Claim 10 wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

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14. (Currently Amended) The controller of Claim 10 wherein, when one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the processing system, and the processing system ~~terminates~~ abandons the other calls.

15. (Currently Amended) The controller of Claim 10 wherein the processing system is connected to a PSTN tandem switch within the PSTN, and wherein receiving a call from a calling party comprises the step of:

receiving a first call through the tandem switch from the calling party intended for the subscriber after the calling party has entered a first telephone number, the first telephone number being the subscriber's public telephone number, said processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

16. (Original) The controller of Claim 10 wherein the processing system is connected to the PSTN in the subscriber's local service area.

17. (Original) The controller of Claim 10 wherein the subscriber is a subscriber of residential telephone service.

18. (Previously Presented) The controller of Claim 10 wherein the subscriber is a subscriber of business telephone service.

19. (Currently Amended) A method performed by a processing system coupled to a switching facility for routing calls to edge switches or other switching facilities in local or other geographic areas, within the ~~public switched telephone network (PSTN)~~ a communication network, comprising the steps of:

placing at least two calls simultaneously to at least two different communications devices designated by a subscriber using a communications device, the processing system processing the calls pursuant to at least one calling feature designated by said subscriber,

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where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;
receiving the at least two calls made simultaneously to said at least two different communications devices designated by said subscriber via the internet;
detecting that one of the calls has been answered at one of the communications devices; and
in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between said subscriber's communications device and the answered communications device.

20. (Currently Amended) A controller connected to a tandem switch within the public switched telephone network (PSTN) comprising:

a processing system linked to the internet for allowing a subscriber to select at least one calling feature over the web, the processing system ~~programmed~~ configured to perform the process comprising the steps of:

placing at least two calls simultaneously to at least two different communications devices designated by a subscriber using a communications device, the processing system processing the calls pursuant to at least one calling feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;

receiving at least two calls made simultaneously to said at least two different communications devices designated by the subscriber via the internet;

detecting that the call has been answered at one of the communications devices; and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between the calling party's communications device and the answered communications device.

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21. (Currently Amended) A controller connected to a switching facility allowing access to local and other geographic areas within the public switched telephone network (PSTN) comprising:

a processing system linked to the internet for allowing a subscriber to select at least one calling feature via the internet, the processing system ~~programmed~~ configured to perform the process comprising the steps of:

receiving a call under the control of said controller from a calling party, using a communications device, intended for a subscriber, the processing system processing the call pursuant to at least one calling feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;

invoking the at least one calling feature prior to said received call reaching a terminating central office, said at least one calling feature placing at least two calls simultaneously to at least two different communications devices previously designated by said subscriber;

detecting that one of at least two calls has been answered at one of the communications devices; and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between the calling party's communications device and the answered communications device.

Please add the following new claims indicated below.

22. (New) A method for processing an incoming call from a switching facility on a communication network that comprises edge switches for routing calls to subscribers within a local geographic area and switching facilities for routing calls to edge switches, or other switching facilities local or in other geographic areas the method comprising the steps of:

receiving a first call, which is intended for a specified recipient, at a controlling device in communication with the switching facility;

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identifying one or more control criteria previously associated with the specified recipient, wherein the one or more control criteria was entered via a web-based interface;
initiating a second call at the controlling device in accordance with the control criteria associated with the specified recipient; and
connecting the first and second calls at the controlling device after the second call is received by a communication device associated with the specified recipient.

23. (New) A method as defined in claim 22, wherein the communication network comprises any one or more of a switched network, a packet-based network, and a wireless network.

24. (New) A method as defined in claim 22, wherein the communication device is a digital device.

25. (New) A method as defined in claim 22, wherein the controlling device is implemented using a distributed architecture spanning at least two locations.

26. (New) A method as defined in claim 22, wherein the controlling device utilizes a programmed processor utilizing the TDM architecture.

27. (New) A method as defined in claim 22, wherein the controlling device utilizes a programmed processor utilizing packet switching.

28. (New) A method as defined in claim 22, wherein the controlling device utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

29. (New) A method as defined in claim 22, wherein at least one of the first and second calls is facilitated via a VoIP connection.

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30. (New) A method as defined in claim 22, wherein at least either of the first call or the second call is routed within the communication network.

31. (New) A method as defined in claim 22, wherein both the first and second calls are facilitated via VoIP connections.

32. (New) A method as defined in claim 22, wherein the controlling device is located within a local service area corresponding to the specified recipient.

33. (New) A method as defined in claim 22, wherein the controlling device is configured as a tandem access controller.

34. (New) A method as defined in claim 33, wherein the tandem access controller is coupled to and operates in conjunction with at least one of the switching facilities located within the communication network.

35. (New) A method as defined in claim 22, wherein both the first and second calls are routed within the communication network.

36. (New) A method as defined in claim 22, wherein at least either one of the first and second calls is facilitated over a wireless link.

37. (New) A method as defined in claim 22, wherein the communication network may use any one of a wired telephone device, a computing device, a wireless device, a cellular device, a portable device with cellular capability, and an information appliance.

38. (New) A method as defined in claim 22, wherein the communication network comprises a network of switching facilities performing a class 4 switching function.

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39. (New) A method as defined in claim 22, wherein the communication network comprises a network of class 4 switches.

40. (New) A method as defined in claim 22, where the control criteria are executed by the controlling device to perform one or more of the following operations:

- a) Web-Based Telecom Navigator;
- b) Manage Incoming Call Control;
- c) Conditional Call Blocking/Forwarding/Alerting; Call Screening/Retrieval from Voice Mail;
- d) Interactive Voice Response and Speech Recognition;
- e) Manage Outgoing Call Control;
- f) Click-to-Dial Calling;
- g) Group Calling and Messaging;
- h) Web-Based Billing;
- i) Cost-Effective Single Phone Number Access;
- j) Free Local Calls, Incoming Calls (not 800 Toll Service);
- k) Retain Current Number (Local Number Portability);
- l) Low-Cost Calling Throughout LATA;
- m) Flat-Rate Foreign Exchange;
- n) Standard DTMF and VoIP Phones;
- o) Centralized and Consistent Personal Data;
- p) Private/Public Phone Directories and Calendars;
- q) "Post-It" Style Annotation of Numbers;
- r) Web Dialing;
- s) Click-to-Dial from Web Pages, Directories, Calendars; Multiple Phone List Management; Voice Mail Access, Prompts, Alert Via Web; Mode-Based Definition and Selection, comprising Time-of-Day, Day-of-Week, Follow-Me, Caller Recognition/Password, Caller ID, Vacation, Dinner Time, Go Away, Family Call Waiting; Learning Modes; Automatic Data Capture; Build Phone List Based on Collected

Usage Information; VoIP Link Degradation Detection; and Automatic Cutover to the public switched communication network.

41. (New) A method for processing an incoming call from a switching facility on a communication network that comprises edge switches for routing calls within a local geographic area and switching facilities for routing calls to other geographic areas, the method comprising the steps of:

receiving a first call, at a controlling device in communication with the switching facility; which is intended for a specified recipient;

identifying one or more control criteria previously associated with the specified recipient, wherein the one or more control criteria are entered via a web-based interface;

initiating a second call at the controlling device via a packet-based connection in accordance with the control criteria associated with the specified recipient; and

connecting the first and second calls at the controlling device after the second call is received by a communication device associated with the specified recipient.

42. (New) A method as defined in claim 41, wherein the specified recipient uses a communication device in communication with the controlling device via a web interface by which the specified recipient can view the status of calls or features designations.

43. (New) A method as defined in claim 42, wherein the communication device is any one of a wired telephone device, a computing device, a wireless device, a cellular device, a portable device with cellular capability, a digital device, and an information appliance.

44. (New) A method as defined in claim 41, wherein the control criteria are executed by the controlling device to perform one or more of the following operations:

- a) Web-Based Telecom Navigator;
- b) Manage Incoming Call Control;
- c) Conditional Call Blocking/Forwarding/Alerting; Call Screening/Retrieval from Voice Mail;

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- d) Interactive Voice Response and Speech Recognition;
- e) Manage Outgoing Call Control;
- f) Click-to-Dial Calling;
- g) Group Calling and Messaging;
- h) Web-Based Billing;
- i) Cost-Effective Single Phone Number Access;
- j) Free Local Calls, Incoming Calls (not 800 Toll Service);
- k) Retain Current Number (Local Number Portability);
- l) Low-Cost Calling throughout LATA;
- m) Flat-Rate Foreign Exchange;
- n) Standard DTMF and VoIP Phones;
- o) Centralized and Consistent Personal Data;
- p) Private/Public Phone Directories and Calendars;
- q) "Post-It" Style Annotation of Numbers;
- r) Web Dialing;
- s) Click-to-Dial from Web Pages, Directories, Calendars; Multiple Phone List Management; Voice Mail Access, Prompts, Alert Via Web; Mode-Based Definition and Selection, comprising Time-of-Day, Day-of-Week, Follow-Me, Caller Recognition/Password, Caller ID, Vacation, Dinner Time, Go Away, Family Call Waiting; Learning Modes; Automatic Data Capture; Build Phone List Based on Collected Usage Information; VoIP Link Degradation Detection; and Automatic Cutover to the public switched communication network.

45. (New) A method as defined in claim 41, wherein the packet-based connection includes a VOIP connection.

46. (New) A method for processing an incoming call from a switching facility on a communication network that comprises edge switches for routing calls within a local geographic area and switching facilities for routing calls to other geographic areas, the method comprising the steps of:

receiving a first call, which is intended for a specified recipient, at a controlling device in communication with the switching facility;

identifying one or more control criteria previously associated with the specified recipient, wherein the one or more control criteria are previously entered via a web-based interface; and

initiating one or more calls at the controlling device in accordance with the control criteria associated with the specified recipient; and

if the one or more calls are not answered by the specified recipient, routing the first call from the controlling device to a voicemail server.

47. (New) A method as defined in claim 46, wherein the communication network comprises a network of switching facilities performing a class 4 switching function.

48. (New) A method as defined in claim 46, wherein the communication network comprises a network of class 4 switches.

49. (New) A method for processing an incoming call from a switching facility on a communication network that comprises edge switches for routing calls within a local geographic area and switching facilities for routing calls to other geographic areas, the method comprising the steps of:

receiving a first call, which is intended for a specified recipient, at a controlling device in communication with the switching facility;

identifying one or more control criteria previously associated with the specified recipient, wherein the one or more control criteria are entered via a web-based interface; and

routing the first call from the controlling device to a voicemail server in accordance with the control criteria associated with the specified recipient.

50. (New) A method for processing an incoming call from a switching facility on a communication network that comprises edge switches for routing calls within a local geographic

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area and switching facilities for routing calls to other geographic areas, the method comprising the steps of:

receiving a first call, which is intended for a specified recipient, at a controlling device in communication with one of the switching facilities;

identifying a control criteria previously associated with the specified recipient, wherein the control criteria is previously entered via a web-based interface and instructs the controlling device to block calls for the specified recipient; and

blocking the first call received at the controlling device in accordance with the control criteria.

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REMARKS

In response to the final office action dated October 13, 2009, and a personal interview with the Examiner on January 11, 2010, Applicants submit a Request for Continued Examination ("RCE") and an Amendment. At the outset, Applicants and the undersigned appreciate the Examiner's courtesy during the personal interview. Claims 1, 3-7, 10, and 12-21 are pending in this application and stand rejected under new grounds for rejection stated in the final office action. In addition, contemporaneously with these submissions, Applicants also submit a Supplemental Information Disclosure citing references and information from the other pending related applications and of which the Applicants have become aware. By this Amendment, Applicants have amended claims 1, 5, 7, 10, 12, 14, 15, 19, 20, and 21, and present new claims 22-50 for the Examiner's continued consideration. Applicants have also demonstrated reasons why the claims in their present form are distinct from the art asserted by the Examiner and the art of record. Reconsideration of this application based on the amendments to the claims and the arguments urged here is respectfully requested.

35 U.S.C. § 103 Rejections

On page 2 of the office action, the Examiner rejected Claims 1, 4-7, 10, 13-21 under 35 U.S.C. Section 103(a) as unpatentable over Schwab et al. (U.S. Patent 6,381,323) in view of Sidhu et al. (U.S. Patent 6,744,759) or Shah et al. (U.S. Patent 6,041,325).

On page 4 of the office action, the Examiner rejected Claims 3 and 12 under 35 U.S.C. Section 103(a) as unpatentable over Schwab et al. (U.S. Patent 6,744,759) in view of Sidhu et al. (U.S. Patent 6,744,759) and further in view of Kugell et al. (U.S. Patent 5,802,160).

Applicants have described below the criteria for a 103 rejection and then, have demonstrated how the combination of the references does not teach all the elements of the Applicants' claims.

I. Governing Criteria for a 35 U.S.C. § 103 Rejection

For rejections under 35 U.S.C. Section 103, the establishment of a *prima facie* case of obviousness requires that all the claim limitations must be taught or suggested by the prior art.

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MPEP § 2143.03 The establishment of a prima facie case of obviousness requires that the claimed combination cannot change the principle of operation of the primary reference or render the reference inoperable for its intended purpose. MPEP § 2143.03.

The Supreme Court set the standard for evaluating obviousness in its recent decision (*KSR International Co. v. Teleflex Inc. et al.* (550 U.S. 127 S. Ct. 1727 (2007))) to be “expansive and flexible” and “functional.” However, the standard is not controlling, rather, the various noted factors only “can” or “might” be indicative of obviousness based on the facts. The Supreme Court in *KSR* enunciated the following principles:

“[w]hen a work is available in one field of endeavor, design incentives and other market forces can prompt variations of it, either in the same field or a different one. If a person of ordinary skill can implement a predictable variation, Section 103 likely bars it patentability. For the same reason, if a technique has been used to improve one device, and a person of ordinary skill in the art would recognize that it would improve similar devices in the same way, using the technique is obvious unless its actual application is beyond his or her skill...[A] court must ask whether the improvement is more than the predictable use of prior art elements according to their established functions.

Simply using the benefit of hindsight in combining references is improper. *In re Lee*, 277 F.3d 1338, 1342-45 (Fed. Cir. 2002); *In re Deminski*, 796 F.2d 436, 442 (Fed. Cir. 1986)). The Supreme Court while recognizing the need “to guard against slipping into the use of hindsight,” acknowledged the following principles:

[r]ejection on obviousness grounds cannot be sustained by mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness.

[I]t can be important to identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the elements in the way the claimed new invention does.

One of the ways in which a patent’s subject matter can be proved obvious is by noting that there existed at the time of invention a known problem for which there was an obvious solution encompassed by the patent’s claims.

Rather, obviousness is to be determined from the vantage point of a hypothetical person having ordinary skill in the art to which the patent pertains. See 35 U.S.C. § 103(a). The legal construct

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also presumes that all prior art references in the field of the invention are available to this hypothetical skilled artisan. *In re Carlson*, 983 F.2d 1032, 1038, 25 USPQ 2d 1207, 1211 (Fed. Cir. 1993). The Supreme Court in *KSR* stated that:

a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was independently, known in the prior art.

An examiner may often find every element of a claimed invention in the prior art. “Virtually all [inventions] are combinations of old elements.” *Environmental Designs, Ltd. V. Union Oil Co.*, 713 F.2d 693, 698, 218 USPQ 865, 870 (Fed.Cir. 1983), cert. denied, 464 U.S. 1043 (1984); see also *Richel, Inc. v. Sunspool Corp.*, 714 F.2d 1573, 1579-80, 219 USPQ 8, 12 (Fed.Cir. 1983). If identification of each claimed element in the prior art were sufficient to negate patentability, very few patents would ever issue. Furthermore, rejecting patents solely by finding prior art corollaries for the claimed elements would permit an examiner to use the claimed invention itself as a blueprint for piecing together elements in the prior art to defeat the patentability of the claimed invention. Such an approach would be “an illogical and inappropriate process by which to determine patentability.” *Sensonics, Inc. v. Aerosonic Corp.*, 81 F.3d 1566, 1570, 38 U.S.P.Q.2d 1551, 1554 (Fed.Cir.1996). In other words, the examiner must show reasons that the skilled artisan, confronted with the same problems as the inventor and with no knowledge of the claimed invention, would select the elements from the cited prior art references for combination in the manner claimed. The Supreme Court in *KSR* has also stated that:

[o]ften, it will be necessary for a court to look to interrelated teachings of multiple patents; the effects of demands known to the design community or present in the market place.

Further, the Supreme Court states that:

The Court relied upon the corollary principle that when the prior art **teaches away** from combining certain known elements, discovery of a successful means of combining them is more likely to be nonobvious.

II. Discussion of the 35 U.S.C. § 103 Rejections

On page 2 of the office action, the Examiner rejected claims 1, 4-7, 10, 13-21 as unpatentable over the patent to Schwab et al., in view of the patent to Sidhu et al., or the patent to Shah et al. The Examiner alleges that,

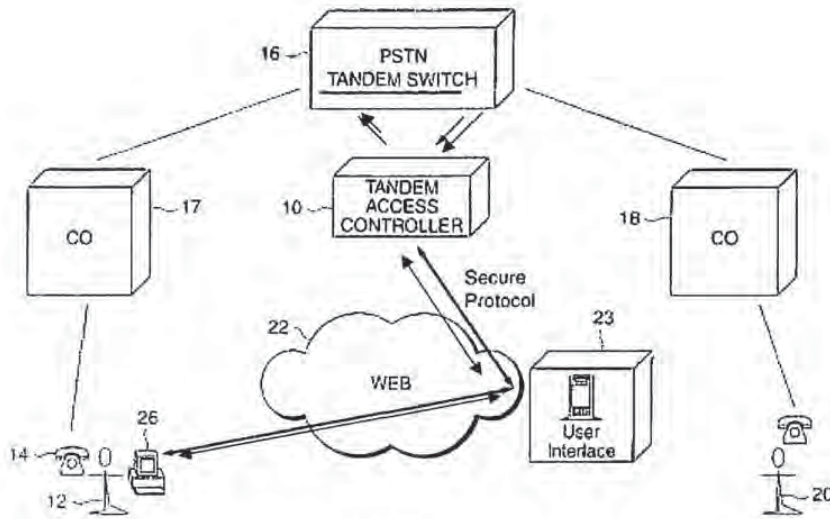
Schwab et al disclose in col. 1, lines 40 et seq. a method of routing incoming phone calls that includes the steps of coupling an incoming call to a subscriber to a platform, then in step (e) Schwab et al disclose "if it is determined that a 'simultaneous' search feature is active, then the incoming call will be directed to all number's on the subscriber's simultaneous list stored on the platform. In col. 4, lines 43, et seq. Schwab et al disclose that if the subscriber chooses simultaneous ring option, all of the phone numbers selected by the subscriber will ring at once until one of the phone numbers is answered. Schwab et al never specifically disclose that once a phone answers the call that the other phones will abandon the call, but this is inherently what is happening because once the call is answered the network will abandon/cease calling the other phones in order to conserve network resources and thus save money.

Schwab et al processing platform 18 is deemed to be within the PSTN, and is NOT considered to be an "edge device." According to Newton's Telecom Dictionary, page 352, 23rd Ed., an edge device is defined as a physical device capable of forwarding packets between legacy interworking interfaces and ATM interfaces. A physical device that sits on edges of the internet under control of the ISP. Newton's Dictionary defines the PSTN, page 748, as the "entire interconnected collection of local, long distance, and international phone companies. No where in Schwab et al is there any disclosure of the Internet or packets/frames. Neither does Schwab et al call their processing platform an "edge device." Therefore, since Schwab et al neither disclose the Internet or packet transmission nor do they disclose that platform 18 to be an "edge

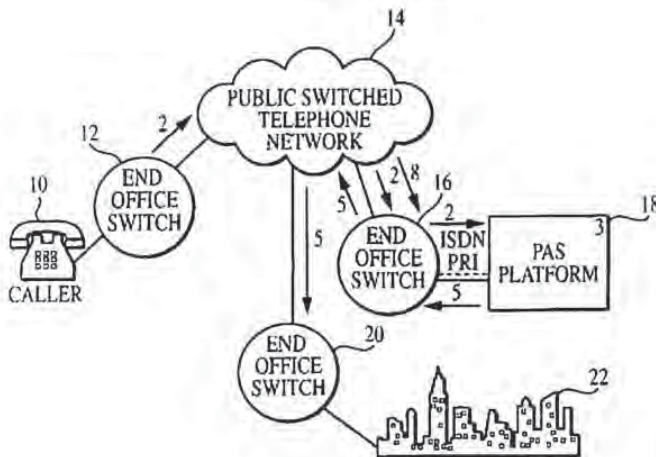
device," the Examiner disagrees with applicants['] assertion that platform 18 is an edge device. Even though Schwab et al has not included the EO (12, 16, 20), platform 18, and caller 10 within the PSTN cloud 14 in the drawings, all those elements are deemed to be within the PSTN according to Newton's definition of the PSTN.

Schwab et al do not disclose that the service features provisioning is done through the Internet. However, Sidhu et al disclose in claim 4 a provisioning function that provides a feature request form to a user on one of the data channels, with the feature request form to a user on one of the data channels, with the feature request form being presented to the user in a web browser. Shah et al teach in Fig. 6 and col. 11, lines 12 et seq. that access point 30 presents users with Internet browser screens the ability to provision services. Some of the specific service provisions shown in Fig. 5 are call waiting and call forwarding. To have provided either Sidhu or Shah et al teaching of allowing a user/subscriber to provision telephony service features through the Internet in Schwab et al device would have been obvious to a person having ordinary skill in the art because both references are teaching different service features available to users and skilled in artisan in this art would have used common sense to combine the features of the references together.

Applicants followed the Examiner's attempted reasoning and explained the differences, during the personal interview, between Schwab et. al., the other asserted prior art, and their system. As indicated during the personal interview, Schwab demonstrates an architecture (see below Schwab's figure in comparison with Applicants' figure, also discussed during the personal interview) distinct from Applicants' architecture that is claimed here.



TELEMAZE



SCHWAB

Applicants respectfully submit that in Schwab, any “features” that are applied to calls being routed are via an end office switch (also referred to as an edge switch or a central office (CO) switch). The end office switch connects calls from calling (telephone company subscribers) parties to called parties only within a local geographic area. Consistent with Newton’s definition, on which the Examiner relies, Schwab’s “end office switch” could arguably

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be considered to be “within” the PSTN. The PSTN is a configuration of switching facilities for routing calls from calling parties to called parties, comprising a plurality of end office switches (also referred to as central office switches or edge switches (e.g., a class 5 switch)) and a plurality of interconnected switching facilities (also referred to as tandem switches). The end office switches connect calling parties to called parties only within a local geographic area. The tandem switching facilities route calls received via end office switches or other tandem switching facilities to called parties within other geographic areas (national or international, beyond the local geographic area that a subscriber is in). Typically, a telephone call involves an originating end office switch, a plurality of tandem switches, and a terminating end office switch. Therefore, in Schwab, the application of “features” to call routing operations is restricted within the local geographic area of a particular end office switch (local to the calling party that originates the call).

Applicants’ architecture is not only distinct, but a significant improvement over Schwab or any of the other art asserted by the Examiner or of record, because it facilitates application of “features” to call routing operations anywhere in the network (geographic areas beyond the local geographic area). Applicants’ architecture permits subscribers (called parties or third parties) to access call routing operations at the switching facilities (also referred to as tandem switching facilities¹) that interconnect end office switches to other geographic areas that are not local to an end office switch. Applicants’ have amended the claims here to emphasize this distinction. Rather than to simply refer to a “PSTN,” the claims now define the various components of the PSTN architecture and indicate the point (switching facility within the PSTN) at which Applicants’ system has access to apply the “features” requested by a subscriber to call routing operations. In addition, neither Sidhu nor Shah discloses the architecture that is lacking in Schwab and claimed here. The Examiner relies on these references for a teaching of web access, which he acknowledges is also lacking in Schwab. Even with a teaching of web access in either Sidhu or Shah, a combination of all three references does not meet all the elements of the claims at issue here.

¹ Any point in the switching fabric of converging networks, also referred to in industry as a signal transfer point (STP), signal control point (SCP), session border controller (SBC), gateway, access tandem, class 4 switch, wire center, toll office, toll center, PSTN switching center, intercarrier connection point, trunk gateway, hybrid switch, etc.

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Specifically, the claims define receiving first calls at a controller facility (also referred to as a tandem access controller) and applying "features" that were previously designated, via web access, by the subscribers, and then, making second calls, if necessary, to accomplish the designated features. Applicants have also presented some new claims for the Examiner's consideration, including ones that define the particular features, for example, routing to voice mail and call blocking.

Moreover, although Kugell discloses tandem switching facilities, it does not disclose Applicants' architecture for applying "features." Instead, Kugell suggests major modifications to the PSTN.

Applicants submit that claims 1, 4-7, 10, and 13-21 are distinct for the reasons demonstrated above. The Examiner is respectfully requested to withdraw the rejections of claims 1, 4-7, 10, and 13-21. In addition, claims 3 and 12 are distinct by virtue of their dependency on claims 1 and 10, respectively, from which they depend. Again, the Examiner is respectfully requested to withdraw the rejections of these claims and to allow them.

Conclusion

Favorable reconsideration of the rejected claims and the new claims presented here is respectfully requested. In addition, Applicants and the undersigned request the Examiner to kindly call the undersigned in the event outstanding issues remain, in order to expedite conclusion of prosecution of this application.

Respectfully submitted,


BERRY & ASSOCIATES P.C.

Dated: February 16, 2010

By: /Reena Kuyper/
Reena Kuyper
Registration No. 33,830

9229 Sunset Blvd., Suite 630
Los Angeles, CA 90069
(310) 247-2860

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 <p>Do not use for correspondence after initial filing</p>	Application Number	11/948,965
	Filing Date	June 7, 2006
	First Named Inventor	Samuel F. Wood
	Art Unit	2614
	Examiner Name	Creighton H. Smith
	Attorney Docket Number	TLM-103C1DIV
Total Number of Pages in This Submission		

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Request for Continued Examination
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	Substance of Personal Interview with Examiner
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Berry & Associates P.C.		
Signature	/Reena Kuyper/		
Printed name	Reena Kuyper		
Date	February 16, 2010	Reg. No.	33,830

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
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Typed or printed name	Reena Kuyper	Date	February 16, 2010

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-08)
 Approved for use through 08/30/2010. OMB 0651-0032
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Effective on 12/08/2004.
 Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2009

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT		(\$)	1118
Complete if Known			
Application Number	11/948,965		
Filing Date	June 7, 2006		
First Named Inventor	Samuel F. Wood		
Examiner Name	Creighton H. Smith		
Art Unit	2614		
Attorney Docket No.	TLM-103C1DIV		

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 50-3102 Deposit Account Name: Berry & Associates P.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

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.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	330	165	540	270	220	110	_____
Design	220	110	100	50	140	70	_____
Plant	220	110	330	165	170	85	_____
Reissue	330	165	540	270	650	325	_____
Provisional	220	110	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	52	26
Each independent claim over 3 (including Reissues)	220	110
Multiple dependent claims	390	195

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)** **Multiple Dependent Claims**

28 - 20 or HP = 8 x 26 = 208 **Fee (\$)** **Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

9 - 3 or HP = 4 x 110 = 440 _____ _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$270 (\$135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**

_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S) **Fees Paid (\$)**

Non-English Specification, \$130 fee (no small entity discount) _____

Other (e.g., late filing surcharge): Extension of Time (\$65); RCE (\$405) \$470

SUBMITTED BY

Signature	/Reena Kuyper/	Registration No. (Attorney/Agent)	33,830	Telephone (310) 247-2860
Name (Print/Type)	Reena Kuyper			Date February 16, 2010

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 11/948,965		Filing Date 11/30/2007		<input type="checkbox"/> To be Mailed			
APPLICATION AS FILED – PART I					OTHER THAN						
(Column 1)		(Column 2)		SMALL ENTITY <input checked="" type="checkbox"/>		OR		SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)		RATE (\$)	FEE (\$)				
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A			N/A					
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A			N/A					
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A			N/A					
TOTAL CLAIMS <small>(37 CFR 1.16(j))</small>	minus 20 =	*	X \$ =		OR	X \$ =					
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =			X \$ =					
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).										
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>											
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL					
APPLICATION AS AMENDED – PART II					OTHER THAN						
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR		SMALL ENTITY	
AMENDMENT	02/22/2010	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)	
Total <small>(37 CFR 1.16(o))</small>		* 46	Minus	** 20	= 26	X \$26 =	676	OR	X \$ =		
Independent <small>(37 CFR 1.16(h))</small>		* 10	Minus	*** 5	= 5	X \$110 =	550	OR	X \$ =		
<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>											
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>											
						TOTAL ADD'L FEE	1226	OR	TOTAL ADD'L FEE		
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR		SMALL ENTITY	
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)	
Total <small>(37 CFR 1.16(o))</small>		*	Minus	**	=	X \$ =		OR	X \$ =		
Independent <small>(37 CFR 1.16(h))</small>		*	Minus	***	=	X \$ =		OR	X \$ =		
<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>											
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>											
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						Legal Instrument Examiner: /KIMBERLY PANNELL/					
** 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.											

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FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1DIV	SERIAL NO. 11/948,965
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	2001/0022784	09-2001	Menon et al.	-----	-----	-----	
	2001/0030950	10-2001	Chen et al.	-----	-----	-----	
	4,313,035	01-1982	Jordan et al.	-----	-----	-----	
	4,348,554	09-1982	Asmuth	-----	-----	-----	
	4,611,094	09-1986	Asmuth et al.	-----	-----	-----	
	4,611,096	09-1986	Asmuth et al.	-----	-----	-----	
	4,953,198	08-1990	Daly et al.	-----	-----	-----	
	4,973,837	11-1990	Bradbeer	-----	-----	-----	
	5,297,191	03-1994	Gerszberg	-----	-----	-----	
	5,311,582	05-1994	Davenport et al.	-----	-----	-----	
	5,428,663	06-1995	Grimes et al.	-----	-----	-----	
	5,448,623	09-1995	Wiedeman et al.	-----	-----	-----	
	5,455,853	10-1995	Cebulka et al.	-----	-----	-----	
	5,471,616	11-1995	Johnson et al.	-----	-----	-----	
	5,495,567	02-1996	Iizawa et al.	-----	-----	-----	
	5,497,339	03-1996	Bernard	-----	-----	-----	
	5,557,658	09-1996	Gregorek et al.	-----	-----	-----	
	5,563,937	10-1996	Bruno et al.	-----	-----	-----	
	5,606,594	02-1997	Register et al.	-----	-----	-----	
	5,628,004	05-1997	Gormley et al.	-----	-----	-----	
	5,646,945	07-1997	Bergler	-----	-----	-----	
	5,727,057	03-1998	Emery et al.	-----	-----	-----	

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

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	5,727,057	03-1998	Emery et al.	-----	-----	-----	
	5,732,074	03-1998	Spaur et al.	-----	-----	-----	
	5,732,216	03-1998	Logan et al.	-----	-----	-----	
	5,737,533	04-1998	De Hond	-----	-----	-----	
	5,742,905	04-1998	Pepe et al.	-----	-----	-----	
	5,806,057	09-1998	Gormley et al.	-----	-----	-----	
	5,838,665	11-1998	Kahn et al.	-----	-----	-----	
	5,850,433	12-1998	Rondeau	-----	-----	-----	
	5,859,972	01-1999	Subramaniam et al.	-----	-----	-----	
	5,875,405	02-1999	Honda	-----	-----	-----	
	5,878,418	03-1999	Polcyn et al.	-----	-----	-----	
	5,894,473	04-1999	Dent	-----	-----	-----	
	5,894,595	04-1999	Foladare et al.	-----	-----	-----	
	5,913,029	06-1999	Shostak	-----	-----	-----	
	5,915,008	06-1999	Dulman	-----	-----	-----	
	5,918,172	06-1999	Saunders et al.	-----	-----	-----	
	5,930,700	07-1999	Pepper et al.	-----	-----	-----	
	5,933,778	08-1999	Buhrmann et al.	-----	-----	-----	
	5,938,757	08-1999	Bertsch	-----	-----	-----	
	5,960,340	09-1999	Fuentes	-----	-----	-----	
	5,970,059	10-1999	Ahopelto et al.	-----	-----	-----	
	5,991,394	11-1999	Dezonno et al.	-----	-----	-----	

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

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	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	6,006,272	12-1999	Aravamudan et al.	-----	-----	-----	
	6,014,437	01-2000	Acker et al.	-----	-----	-----	
	6,020,916	02-2000	Gerszberg et al.	-----	-----	-----	
	6,028,917	02-2000	Creamer et al.	-----	-----	-----	
	6,031,904	02-2000	An et al.	-----	-----	-----	
	6,044,403	03-2000	Gerszberg et al.	-----	-----	-----	
	6,075,992	06-2000	Moon et al.	-----	-----	-----	
	6,078,581	06-2000	Shtivelman et al.	-----	-----	-----	
	6,084,584	07-2000	Nahi et al.	-----	-----	-----	
	6,094,478	07-2000	Shepherd et al.	-----	-----	-----	
	6,104,800	08-2000	Benson	-----	-----	-----	
	6,141,341	10-2000	Jones et al.	-----	-----	-----	
	6,161,134	12-2000	Wang et al.	-----	-----	-----	
	6,163,598	12-2000	Moore	-----	-----	-----	
	6,167,040	12-2000	Haeggstrom	-----	-----	-----	
	6,175,860	01-2001	Gaucher	-----	-----	-----	
	6,188,688	02-2001	Buskirk, Jr.	-----	-----	-----	
	6,212,261	04-2001	Meubus et al.	-----	-----	-----	
	6,216,158	04-2001	Luo et al.	-----	-----	-----	
	6,240,097	05-2001	Wesloek et al.	-----	-----	-----	
	6,259,692	07-2001	Shtivelman et al.	-----	-----	-----	
	6,262,978	07-2001	Bruno et al.	-----	-----	-----	

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	FILING DATE: November 30, 2007	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	6,266,539	07-2001	Pardo	-----	-----	-----	
	6,301,609	10-2001	Aravamudan et al.	-----	-----	-----	
	6,308,201	10-2001	Pivowar et al.	-----	-----	-----	
	6,334,126	12-2001	Nagatomo et al.	-----	-----	-----	
	6,337,858	01-2002	Petty et al.	-----	-----	-----	
	6,359,892	03-2002	Szlam et al.	-----	-----	-----	
	6,385,308	05-2002	Cohen et al.	-----	-----	-----	
	6,404,764	06-2002	Jones et al.	-----	-----	-----	
	6,411,615	06-2002	DeGolia et al.	-----	-----	-----	
	6,411,965	06-2002	Klug	-----	-----	-----	
	6,414,962	07-2002	Hall et al.	-----	-----	-----	
	6,418,198	07-2002	Brablec et al.	-----	-----	-----	
	6,421,235	07-2002	Ditzik	-----	-----	-----	
	6,445,694	09-2002	Swartz	-----	-----	-----	
	6,445,697	09-2002	Fenton	-----	-----	-----	
	6,446,127	09-2002	Shuster et al.	-----	-----	-----	
	6,448,978	09-2002	Salvador et al.	-----	-----	-----	
	6,456,594	09-2002	Kaplan et al.	-----	-----	-----	
	6,456,601	09-2002	Kozdon et al.	-----	-----	-----	
	6,477,565	11-2002	Daswani et al.	-----	-----	-----	
	6,477,576	11-2002	Angwin et al.	-----	-----	-----	
	6,483,902	11-2002	Stewart et al.	-----	-----	-----	

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FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1DIV	SERIAL NO. 11/948,965
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
	6,493,338	12-2002	Preston et al.	-----	-----	-----	
	6,496,477	12-2002	Perkins et al.	-----	-----	-----	
	6,526,462	02-2003	Elabd	-----	-----	-----	
	6,539,359	03-2003	Ladd et al.	-----	-----	-----	
	6,577,622	06-2003	Shuster et al.	-----	-----	-----	
	6,584,490	06-2003	Shuster et al.	-----	-----	-----	
	6,650,901	11-2003	Shuster et al.	-----	-----	-----	
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	6,937,699	08-2005	Shuster et al.	-----	-----	-----	

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

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1DIV	SERIAL NO. 11/948,965
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	NO	
	DE19813179	09-1999	DE	-----	-----	X		
	EP0578374	01-1994	EP	-----	-----			
	EP0704788	04-1996	EP	-----	-----			
	EP0858202	08-1998	EP	-----	-----			
	EP0869688	10-1998	EP	-----	-----			
	EP0881848	12-1998	EP	-----	-----			
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	WO01/024496	04-2001	WO	-----	-----			
	WO01/024498	04-2001	WO	-----	-----			
	WO01/024500	04-2001	WO	-----	-----			
	WO01/024501	04-2001	WO	-----	-----			
	WO01/024502	04-2001	WO	-----	-----			
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	WO94/05111	03-1994	WO	-----	-----			
	WO95/34985	12-1995	WO	-----	-----			
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	WO98/00988	01-1998	WO	-----	-----			
	WO98/04065	01-1998	WO	-----	-----			
	WO98/10538	03-1998	WO	-----	-----			

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

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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	NO
		WO98/16051	04-1998	WO	-----	-----		
		WO98/21911	05-1998	WO	-----	-----		
		WO98/30008	07-1998	WO	-----	-----		
		WO98/37665	08-1998	WO	-----	-----		
		WO99/12365	03-1999	WO	-----	-----		
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	4	Natural Microsystems, M2 Presswire, Coventry: Aug. 18, 2000
	5	This pipe dream will come true: Voice Over Internet Protocol (VoIP) technology will make the phone Box something that really talks, Businessline, Chennai: Apr 17, 2002
	6	Using Optimization to Achieve Efficient Quality of Service in Voice over IP Networks, IEEE 2003
	7	Broadsoft literature Broadworks overview, Copyright date 2002
	8	BroadSoft introduces industry's first complete service delivery and creation product suite for enhanced telephony services Broadworks, ATM Newsletter: Boston: March 2000, vol. 9, Iss. 3, pg 13
	9	BroadSoft unveils advanced architecture for the rapid and cost effective delivery of enhanced communications services, Website, August 25, 1999, Press releases, 3 pages.
	10	U.S. patent application Ser. No. 09/406,322, Schuster et al., filed Sep. 27, 1999
	11	U.S. patent application Ser. No. 09/515,798, Schuster et al., filed Feb. 29, 2000

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	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: November 30, 2007	GROUP: 2614

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Electronic Acknowledgement Receipt	
EFS ID:	7033680
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	Branch Calling and Caller ID Based Call Routing Telephone Features
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	49637
Filer:	Reena Kuyper
Filer Authorized By:	
Attorney Docket Number:	TLM-103C1DIV
Receipt Date:	17-FEB-2010
Filing Date:	30-NOV-2007
Time Stamp:	23:50:25
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	TLM-103C1DIV_IDS_after_RCE_Final_2-17-10.pdf	45738 <small>5434081124b117e003480617a23997a020890f27</small>	no	6

Warnings:

Information:

2	Information Disclosure Statement (IDS) Filed (SB/08)	TLM-103C1DIV_PTO_1449_Final_2-17-10.pdf	72249 d7a8ab9628061fca770c4e11ca9d1b936f079	no	8
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4	Foreign Reference	EP0578374B1.pdf	1192645 cc6b1bde04dee576154b8956204c181a8ed08	no	22
Warnings:					
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5	Foreign Reference	EP0704788A2.pdf	507567 8baeebec9190814ed34e9714ed8110794879531	no	11
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32	Foreign Reference	WO99035802.pdf	2571273 8ea34cf3440de61ca3e5a72057e640d796528fc	no	80
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33	Foreign Reference	WO99045687.pdf	4089362 ca99c76610b79c387b93166d0e7ae9c7f1af6e9	no	68
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36	NPL Documents	3_NewServices.pdf	1139940 681a03eaa00c05e5e07b5e8f00d099d0d08	no	3
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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	)	Customer No.:	49,637
)		
Samuel F. WOOD, et al.	)	Confirmation No.:	3783
)		
Serial No.:	)	Group Art Unit:	2614
11/948,965)		
)		
Filed:	)	Examiner:	Creighton H. Smith
June 7, 2006)		
)		
For:	)	Docket No.:	TLM-103.C1DIV
BRANCH CALLING AND CALLER ID)		
BASED CALL ROUTING TELEPHONE)		
FEATURES)		
)		

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 CFR § 1.56, 37 CFR §§ 1.97, and 1.98, Applicants bring the following documents, of possible interest to the subject matter of this application, to the attention of the Examiner. Each of these documents is listed on the attached form PTO-1449. Applicants are providing copies of the listed documents, except for U.S. patents and U.S. patent publication applications. In the event the Examiner would like copies of the U.S. patents and published applications as well, the Examiner is requested to advise the undersigned. Applicants respectfully request the Examiner to consider and make these documents of record with respect to this application. In addition, for the Examiner's convenience, Applicants are providing below comments on select references. The Examiner is requested to make an independent determination on the relevance of the documents.

1. RFC 3298 Service in the PSTN:

This document describes protocols for use in an internet or other intelligent network (PSTN/IN). The protocols that are described are for use to optimize the network. This document also discloses “features” such as “call forwarding” that can be applied within a network, however, with modifications to the existing networks and limited routing only within a local geographic area. Moreover, this document does not disclose web-based access by subscribers to request features, nor first call and second functionalities.

2. Implementing Automatic Location Update for Follow-Me Database Using VoIP and Bluetooth Technologies

This document discloses a particular method of using databases in a VoIP network to enable a user to request call features such as “follow-me” using VoIP and Bluetooth technologies. Again, this document describes “features,” but via a method that requires modifications to the existing networks and limited routing only within a local geographic area. Again, this document does not disclose web-based access by subscribers to request features, nor first call and second functionalities.

3. New Services Demand Integration

This document recognizes that networks, such as the public switched telephone network (PSTN) and the internet (packet-based) networks are fast converging and that the new emerging networks will require new services to facilitate user interfaces. It should be noted that the document publication is after Applicants’ priority date (parent patent no. 6,574,328, filed on May 2000). This document is of background interest only and does not address application of “features,” via web access or otherwise, nor first call and second functionalities.

4. Natural Microsystems

This document describes the SS7 software product that natural Microsystems introduced to the market. SS7 is a standard protocol used in the PSTN for signaling call management within the network. SS7 was widely known and used by carriers in the PSTN to perform circuit switching operations. Applicants’ parent patent no. 6,574,328, filed on May 2000, describes the SS7 protocol.

Application No.: 11/948,965

The document is of background interest only and does not address application of “features,” via web access or otherwise, nor first call and second functionalities.

5. Voice Over Internet Protocol (VoIP) Technology will Make the Phone Box Something That Really Talks

This document describes the advantages of VoIP and VoIP telephones that will make new technologies available to telephone users and the advantages of VoIP. The document is of background interest only and does not address application of “features,” via web access or otherwise, nor first call and second functionalities.

6. Using Optimization to Achieve Efficient Quality of Service in Voice Over IP Networks

This document recognizes the need for improved quality service in VoIP networks. As recognized in Applicants’ parent disclosure, VoIP’s quality of service (“QOS”) was less than the quality of the PSTN networks. The document is of background interest only and does not address application of “features,” via web access or otherwise, nor first call and second functionalities.

7. Broadsoft Literature Broadworks Overview

This document describes Broadworks, a product that consists of software modules, which may be integrated into a hardware platform such as the Sun Solaris Network Platform for use at call centers and other such large enterprises. Broadworks discloses a system for adding “call features” to an existing Class 5¹ and packet networks. Broadworks discloses a set of tools that can be used to

¹ Dictionary definitions, “Newton’s Telecom Dictionary,” 15th Edition, February 1999, ISBN Number 1-57820-001-8

Class 4 Office

The fourth level in AT&T’s long distance toll switching hierarchy – the major switching center to which toll calls from Class 5 offices are sent. In U.S. common carrier telephony service, a toll center designated “Class 4C” is an office where assistance in completing incoming calls is provided in addition to other traffic. A toll center designated “Class 4P” is an office where operators handle only outbound calls, or where switching is performed without operator assistance.

Class 5 Office

An end office. Your local central office. The lowest level in the hierarchy of local and long distance switching which AT&T set up when it was “The Bell System.” A class 5 office is a local Central Office that serves as a network entry point for station loops and certain special-service lines. Also called an End Office. Classes 1, 2, 3, and 4 are toll offices in the telephone network.

See also, Engineering and Operations in the Bell system, Second edition, 1977,1983, Bell telephone Laboratories,

Application No.: 11/948,965

replace the existing Class 5 central office switches. This document discloses a web-based interface to provide users access, and "call features," but proposes an implementation (via replacement of the existing edge switch) and therefore, does not accommodate the existing network infrastructure. Moreover, the features are limited to a local geographic area because of the implementation via the edge switch and there are no first call and second call functionalities. It should be noted that this document antedates Applicants' parent patent no. 6,574,328, which has a priority date of May 2000.

8. BroadSoft Introduces Industry's First Complete Service Delivery and Creation Product Suite for Enhanced Telephony Services Broadworks

This document discloses a system for integrating services that are web-enabled and offer specific features such as group directories, call forwarding, option configurations, in to the PSTN and packet (VoIP) networks. The system disclosed is web-enabled and offers specific features such as group directories, call forwarding, option configuration, messaging, and auto attendant services. However, these features are implemented in a different way, by requiring replacement of the existing edge switch with a Broadsoft switch (unlike Applicants' implementation, which works with the existing edge switch). Again, the features are limited to a local geographic area and there are no first call and second call functionalities.

9. Broadsoft Unveils Advanced Architecture for the Rapid and Cost Effective Delivery of Enhanced Communications Services

This article discloses a set of software tools for building a processing platform directed to a VoIP implementation. This document discloses a system for integrating services for packet (VoIP) networks. The system disclosed is web enabled and offers features such as group directories, call forwarding, option configuration, messaging, and auto attendant services. However, these features are implemented in a different way, by requiring replacement of the existing edge switch with a Broadsoft switch (unlike Applicants' implementation, which works with the existing edge switch). Again, the features are limited to a local geographic area and there are no first call and second call functionalities.

e.g. Section 4 Network and Systems, Network Structures and Planning,
also See index under Electronic Switching system(s)

Application No.: 11/948,965

10. U.S. Patent No. 6853714 to Liljestrand

This patent is directed to an apparatus and method for enhanced telecommunication services. This patent discloses another VoIP approach to changing the network on a large scale. It proposes an upgrade to the existing carriers' equipment and network architecture. The patent merely mentions the possibility of web access, but does not disclose how to accomplish it, and does not disclose first call and second call functionalities.

11. U.S. Patent No. 4,348,554, U.S. Patent No. 4,611,094 & U.S. Patent No. 4,611,096 to Asmuth

The Asmuth patents disclose a system and method to upgrade the architecture and infrastructure of the public switched network (PSTN) to enable the system to direct telephone calls to a selected group of customers with decisions controlled by the carrier. These patents also do not address web access application of features by subscribers, nor application of features in the entire fabric of networks, or first call and second call functionalities.

Finally, Applicants bring their related patents and applications to the Examiner's attention.

Patent or Application Number	Title	Filed	Docket Number
6529596	Web-Based Control of Telephone	5/4/00	TLM-101
6532288	Tandem Access Control Processor Connected to the Public Switched Telephone Network for Controlling Features	5/4/00	TLM-102
6574328	Telephone Call Control System for the Public Switched Telephone Network	5/4/00	TLM-103

Application No.: 11/948,965

Patent or Application Number	Title	Filed	Docket Number
7324635	Branch Calling and Caller ID Based Call Routing Telephone Features	4/30/03	TLM-103C1
7587036	Tandem Access Controller Within the Public Switched Telephone Network	7/5/06	TLM-103C1CON
11/428,822	Tandem Access Controller Within the Public Switched Telephone Network	10/26/06	TLM-103C1CON2
11/428,825	Tandem Access Controller Within the Public Switched Telephone Network	10/26/06	TLM-103C1CON3

This Supplemental Information Disclosure Statement is timely submitted under 37 CFR § 1.97(b)(4), that is, before mailing of a first office action after the filing of a request for continued examination under § 1.114. Thus, no petition or fee is required at this time. If the U.S. Patent Office determines that a fee is necessary, this submission should be considered a petition, and the U.S. Patent Office is hereby authorized to charge any fee necessary to Deposit Account No. **50-3102** of Berry & Associates P.C.

Respectfully submitted,

Dated: February 17, 2010

By: /Reena Kuyper/
Reena Kuyper
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Page 6 of 6

Document code: WFEE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/948,965	11/30/2007	Samuel F. Wood	TEL-M-8801-1P-1D	3783
49637	7590	01/14/2010	EXAMINER	
BERRY & ASSOCIATES P.C. 9229 SUNSET BOULEVARD SUITE 630 LOS ANGELES, CA 90069			SMITH, CREIGHTON H	
			ART UNIT	PAPER NUMBER
			2614	
			MAIL DATE	DELIVERY MODE
			01/14/2010	PAPER

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

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No.	Applicant(s)	
	11/948,965	WOOD ET AL.	
	Examiner	Art Unit	
	CREIGHTON SMITH	2614	
<p>All participants (applicant, applicant's representative, PTO personnel):</p> <p>(1) <u>Reena Kuyper.</u> (3) <u>Sam Wood.</u></p> <p>(2) <u>Creighton Smith.</u> (4) <u>Jerry Klein.</u></p> <p>Date of Interview: <u>11 JAN '10.</u></p> <p>Type: a) <input type="checkbox"/> Telephonic b) <input type="checkbox"/> Video Conference c) <input checked="" type="checkbox"/> Personal [copy given to: 1) <input type="checkbox"/> applicant 2) <input checked="" type="checkbox"/> applicant's representative]</p> <p>Exhibit shown or demonstration conducted: d) <input type="checkbox"/> Yes e) <input checked="" type="checkbox"/> No. If Yes, brief description: _____.</p> <p>Claim(s) discussed: <u>none.</u></p> <p>Identification of prior art discussed: <u>Schwab et al.</u></p> <p>Agreement with respect to the claims f) <input type="checkbox"/> was reached. g) <input checked="" type="checkbox"/> was not reached. h) <input type="checkbox"/> N/A.</p> <p>Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: <u>Applicant explained the differences between Schwab et al and their apparatus. The major difference being that the subscriber is allowed to connect to a tandem access switch directly through a tandem access controller without any modification to the network. Applicant is going to file an RCE stressing this difference.</u></p> <p>(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.)</p> <p>THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.</p>			
/CREIGHTON SMITH/ Primary Examiner, Art Unit 2614		11 JAN '10	

U.S. Patent and Trademark Office
PTOL-413 (Rev. 04-03)

Interview Summary

Paper No. 20100111

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135, (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/948,965	11/30/2007	Samuel F. Wood	TEL-M-8801-1P-1D

CONFIRMATION NO. 3783

POA ACCEPTANCE LETTER

49637
BERRY & ASSOCIATES P.C.
9229 SUNSET BOULEVARD
SUITE 630
LOS ANGELES, CA 90069



Date Mailed: 12/28/2009

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/16/2009.

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.

/s/leutchi/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/948,965	11/30/2007	Samuel F. Wood	TEL-M-8801-1P-1D

CONFIRMATION NO. 3783

POWER OF ATTORNEY NOTICE

32566
PATENT LAW GROUP LLP
2635 NORTH FIRST STREET
SUITE 223
SAN JOSE, CA 95134



Date Mailed: 12/28/2009

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/16/2009.

- 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).

/sleutchii/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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.

POWER OF ATTORNEY OR REVOCAION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Application Number	11/948,965
	Filing Date	November 30, 2007
	First Named Inventor	Samuel F. Wood
	Title	Branch Calling and Caller ID Based Call
	Art Unit	2614
	Examiner Name	Smith, Creighton H.
	Attorney Docket Number	TLM-103.DIV

I hereby revoke all previous powers of attorney given in the above-identified application.

A Power of Attorney is submitted herewith.

OR

I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

49,637

OR

I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number.

OR

The address associated with Customer Number:

Firm or Individual Name

Address

City	State	Zip
Country		
Telephone	Email	


I am the:

Applicant/Inventor.

OR

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on _____

SIGNATURE of Applicant or Assignee of Record

Signature		Date	12/11/09
Name	Jerry A. Klein	Telephone	650-948-1243
Title and Company	Managing Member, Telemaze, LLC		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

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.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Samuel F. WoodApplication No./Patent No.: 11/948,965Filed/Issue Date: November 30, 2007Titled: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

TELEMAZE, LLC, a limited liability company

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest in;
2. an assignee of less than the entire right, title, and interest in (The extent (by percentage) of its ownership interest is _____ %); or
3. the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made) 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 therefore is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Wood, Samuel F. and Klein, Jerry A. To: Telemaze, Inc.

The document was recorded in the United States Patent and Trademark Office at
Reel 014034, Frame 0043, or for which a copy thereof is attached.

2. From: Asprey, Margaret Susan To: Telemaze, Inc.

The document was recorded in the United States Patent and Trademark Office at
Reel 015613, Frame 0259, or for which a copy thereof is attached.

3. From: Telemaze, Inc. To: Telemaze, LLC

The document was recorded in the United States Patent and Trademark Office at
Reel 016844, Frame 0708, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment 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.


Signature

Jerry A. Klein, Telemaze, LLC

Printed or Typed Name

12/11/09
Date

Managing Member

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

CISCO SYSTEMS, INC. v. FOCAL IP, LLC
FOCAL IP, LLC EX2005 - 115

'777ProsHist
IPR2016-01257

Electronic Acknowledgement Receipt	
EFS ID:	6653330
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	Branch Calling and Caller ID Based Call Routing Telephone Features
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	32566
Filer:	Reena Kuyper
Filer Authorized By:	
Attorney Docket Number:	TEL-M-8801-1P-1D
Receipt Date:	16-DEC-2009
Filing Date:	30-NOV-2007
Time Stamp:	23:10:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	TLM-103_DIV_Power_of_Attorney_signed_12-11-09.pdf	119664 <small>77703b25ee2e008c8a025445862c8f90dad25062</small>	no	1

Warnings:

Information:

2	Assignee showing of ownership per 37 CFR 3.73(b).	TLM-103_DIV_Statement_Under_37_CFR_3_73_b_signed_12-11-09.pdf	129022 <small>5eeef68bd3aa144158fce41168b264e98709647c9</small>	no	1
Warnings:					
Information:					
Total Files Size (in bytes):				248686	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/948,965	11/30/2007	Samuel F. Wood	TEL-M-8801-1P-1D	3783
32566	7590	10/13/2009	EXAMINER	
PATENT LAW GROUP LLP 2635 NORTH FIRST STREET SUITE 223 SAN JOSE, CA 95134			SMITH, CREIGHTON H	
			ART UNIT	PAPER NUMBER
			2614	
			MAIL DATE	DELIVERY MODE
			10/13/2009	PAPER

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

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	11/948,965	WOOD ET AL.	
	Examiner	Art Unit	
	CREIGHTON SMITH	2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 25 SEP '09.
- 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) 1,3-7,10 and 12-21 is/are pending in the application.
 - 4a) Of the above claim(s) 2,8,9 and 11 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-21 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 4-7, 10, 13-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwab et al in view of Sidhu et al, U.S. Pat. #6,744,759 or Shah et al, U.S. Pat. #6,041,325.

Schwab et al disclose in col. 1, lines 40 et seq. a method of routing incoming phone calls that includes the steps of coupling an incoming call to a subscriber to a platform, then in step (e) Schwab et al disclose "if it is determined that a 'simultaneous' search feature is active, then the incoming call will be directed to *all* number's on the subscriber's simultaneous list stored on the platform. In col. 4, lines 43, et seq. Schwab et al disclose that if the subscriber chooses simultaneous ring option, all of the phone numbers selected by the subscriber will ring at once until one of the phone numbers is answered. Schwab et al never specifically disclose that once a phone answers the call that the other phones will abandon the call, but this is inherently what is happening because once the call is answered the network will abandon/cease calling the other phones in order to conserve network resources and thus save money.

Schwab et al processing platform 18 is deemed to be within the PSTN, and is NOT considered to be an "edge device." According to Newton's Telecom Dictionary, page 352, 23rd Ed., an edge device is defined as a physical device capable of forwarding packets between legacy interworking interfaces and ATM interfaces. A physical device

Art Unit: 2614

that sits on edges of the Internet under control of the ISP. Newton's Dictionary defines the PSTN, page 748, as "the entire interconnected collection of local, long distance, and international phone companies. No where in Schwab et al is there any disclosure of the Internet or packets/frames. Neither does Schwab et al call their processing platform an "edge device". Therefore, since Schwab et al neither disclose the Internet or packet transmission nor do they disclose that platform 18 to be an "edge device," examiner disagrees with applicant's assertion that platform 18 is an edge device. Even though Schwab et al has not included the EO (12, 16, 20), platform 18, and caller 10 within the PSTN cloud 14 in the drawings, all those elements are deemed to be within the PSTN according to Newton's definition of the PSTN.

Schwab et al do not disclose that the service features provisioning is done through the Internet. However, Sidhu et al disclose in claim 4 a provisioning function that provides a feature request form to a user on one of the data channels, with the feature request form being presented to the user in a web browser. Shah et al teach in Fig. 6 and col. 11, lines 12 et seq. that access point 30 presents users with Internet browser screens the ability to provision services. Some of the specific service provisions shown in Fig. 5 are call waiting and call forwarding. To have provided either Sidhu or Shah et al teaching of allowing a user/subscriber to provision telephony service features through the Internet in Schwab et al device would have been obvious to a person having ordinary skill in the art because both references are teaching different service features available to users and skilled artisan in this art would have used common sense to combine the features of the references together. For claim 2, see Fig. 1, element #14.

Claims 3, 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwab et al in view of Sidhu et al or Shah et al and further in view of Kugell et al, U.S. Pat. #5,802,160.

Kugell et al disclose in col. 5, lines 48 et seq. simultaneous ringing at a home number 21 and a cellular number 24 when a 1-800 number is called. Kugell et al further disclose in col. 4, lines 54 et seq the use of ANI to determine who is calling. To have used Kugell's teaching of the use of ANI in Schwab et al routing system would have been obvious to a person having ordinary skill in the art because both references are teaching simultaneous ringing of forwarded calls.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Application/Control Number: 11/948,965
Art Unit: 2614

Page 5

Any inquiry concerning this communication should be directed to CREIGHTON
SMITH at telephone number (571)272-7546.

08 OCT '09


/CREIGHTON SMITH/
Primary Examiner, Art Unit 2614

Index of Claims 	Application/Control No. 11948965	Applicant(s)/Patent Under Reexamination WOOD ET AL.
	Examiner CREIGHTON SMITH	Art Unit 2614

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	03/05/2009	10/08/2009						
	1	✓	✓						
	2	✓	-						
	3	✓	✓						
	4	✓	✓						
	5	✓	✓						
	6	✓	✓						
	7	✓	✓						
	8	✓	-						
	9	✓	-						
	10	✓	✓						
	11	✓	-						
	12	✓	✓						
	13	✓	✓						
	14	✓	✓						
	15	✓	✓						
	16	✓	✓						
	17	✓	✓						
	18		✓						
	19		✓						
	20		✓						
	21		✓						

Search Notes 	Application/Control No. 11948965	Applicant(s)/Patent Under Reexamination WOOD ET AL.
	Examiner CREIGHTON SMITH	Art Unit 2614

SEARCHED			
Class	Subclass	Date	Examiner
379	211.04	05 MAR '09	chs

SEARCH NOTES			
Search Notes	Date	Examiner	
EAST	05 MAR '09	chs	
EAST	08 OCT '09	chs	

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Samuel F. Wood, Margaret Susan Asprey, Jerry A. Klein
Assignee: Telemaze, Inc.
Title: Branch Calling and Caller ID Based Call Routing Telephone Features
Serial No.: 11/948,965 Filed: November 30, 2007
Examiner: Creighton H. Smith Group Art Unit: 2614
Docket No.: TEL-M-8801-1P-1D Conf. no.: 3783

San Jose, California
September 25, 2009

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

**SUPPLEMENT RESPONSE TO OFFICE ACTION-RESPONSE TO NOTICE OF
NON-COMPLIANT AMENDMENT**

Dear Commissioner:

Applicants responded to the Office Action dated March 9, 2009, with a response dated July 27, 2009. The PTO sent a Notice of Non-Compliant Amendment on September 21, 2009, indicating that the added claims should not have been underlined. This response is identical to the July 27 response except the added claims are not underlined. The due date for this corrected response without fee is October 21, 2009.

Amendments to the claims begin on page 2 of this paper.

Remarks begin on page 9 of this paper.

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1. (currently amended) A method performed by a web-enabled processing system connected within the public switched telephone network (PSTN) comprising:

receiving a call ~~from~~ in response to a calling party entering a first number, using a communications device, ~~an end-unit intended for~~ a subscriber, ~~the processing system~~ processing the call pursuant to at least one calling feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;

placing at least two ~~or more~~ calls simultaneously to at least two ~~or more~~ associated different communications devices ~~end-units~~ designated by the subscriber;

detecting that the call has been answered at one of the communications devices ~~end-units~~; and

in response to the detecting, abandoning other calls to ~~either~~ the remaining one or more communications devices ~~end-units~~ and establishing a connection between the calling party's communications device ~~end-unit~~ and the answered communications device ~~end-unit~~.

2. (cancelled)

3. (currently amended) The method of Claim 1 further comprising:

detecting first information about the source of the call;

associating the first information with a calling feature, previously selected by the subscriber to be performed on the call, the calling feature being to forward the call to at least two ~~or more~~ communications devices ~~end units~~; and

simultaneously placing at least two calls ~~the call~~ to at least the two ~~or more~~ communications devices ~~end units~~.

4. (currently amended) The method of Claim 1 wherein the at least the two ~~or more~~ calls to the communications devices ~~end units~~ are any combination of local call, long distance call, ~~and~~ cellular call, and VOIP call.

5. (currently amended) The method of Claim 1 wherein, when one of the calls to the communications devices ~~end units~~ is answered, an answer supervision signal is transmitted to the processing system, and the processing system terminates the other calls.

6. (original) The method of Claim 5 wherein the answer supervision is pursuant to the SS7 signaling protocol.

7. (currently amended) The method of Claim 1 wherein the processing system is connected to a PSTN tandem switch within the PSTN, and wherein receiving a call from a calling party comprises:

receiving a first call through the tandem switch from the calling party intended for the subscriber after the calling party has ~~enter~~ entered a first telephone number, the first telephone number being the subscriber's public telephone number, said processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

8. (cancelled)

9. (cancelled)

10. (currently amended) A controller connected within the ~~to a~~ public switched telephone network (PSTN) comprising:

a processing system connected within the PSTN and linked to the internet for selecting at least one calling feature via the internet, the processing system programmed to perform the process comprising:

receiving a call from a calling party, using a communications device ~~an end-unit, to~~ intended for a subscriber, whereby said processing system implements a calling feature previously designated by said subscriber via the internet;

placing at least two ~~or more~~ calls simultaneously to at least two ~~or more~~ associated different communications devices ~~end-units~~ previously designated by the subscriber;

detecting that the call has been answered at one of the communications devices ~~end-units~~; and

in response to the detecting, abandoning other calls to ~~other~~ the remaining one or more communications devices ~~end-units~~ and establishing a connection between the calling party's communications device ~~end-unit~~ and the answered communications device ~~end-unit~~.

11. (cancelled)

12. (currently amended) The controller of Claim 10 wherein the processing system is programmed to perform the process comprising:

detecting first information about the source of the call;

associating the first information with a feature, selected by the subscriber, to be performed on the call, the feature being to forward the call to the at least two or more different communications devices ~~end units~~; and

simultaneously placing the at least two calls ~~the call to the at least the two or more different communications devices~~ ~~end units~~.

13. (currently amended) The controller of Claim 10 wherein the at least two ~~the two or more~~ calls to the communications devices ~~end units~~ are any combination of local call, long distance call, ~~and~~ cellular call, and VOIP call.

14. (currently amended) The controller of Claim 10 wherein, when one of the calls to the communications devices ~~end units~~ is answered, an answer supervision signal is transmitted to the processing system, and the processing system terminates the other calls.

15. (currently amended) The controller of Claim 10 wherein the processing system is connected to a PSTN tandem switch within the PSTN, and wherein receiving a call from a calling party comprises:

receiving a first call through the tandem switch from the calling party intended for the subscriber after the calling party has ~~enter~~ entered a first telephone number, the first telephone number being the subscriber's public telephone number, said processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

16. (original) The controller of Claim 10 wherein the processing system is connected to the PSTN in the subscriber's local service area.

17. (original) The controller of Claim 10 wherein the subscriber is a subscriber of residential telephone service.

18. (new) The controller of Claim 10 wherein the subscriber is a subscriber of business telephone service.

19. (new) A method performed by a processing system within the public switched telephone network (PSTN) comprising:

placing at least two calls simultaneously to at least two different communications devices designated by a subscriber using a communications device, the processing system processing the calls pursuant to at least one calling feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;

receiving the at least two calls made simultaneously to said at least two different communications devices designated by said subscriber via the internet;

detecting that one of the calls has been answered at one of the communications devices; and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between said subscriber's communications device and the answered communications device.

20. (new) A controller connected within the public switched telephone network (PSTN) comprising:

a processing system linked to the internet for allowing a subscriber to select at least one calling feature over the web, the processing system programmed to perform the process comprising:

placing at least two calls simultaneously to at least two different communications devices designated by a subscriber using a communications device, the processing system processing the calls pursuant to at least one calling

feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;

receiving at least two calls made simultaneously to said at least two different communications devices designated by the subscriber via the internet;

detecting that the call has been answered at one of the communications devices; and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between the calling party's communications device and the answered communications device.

21. (new) A controller connected within the public switched telephone network (PSTN) comprising:

a processing system linked to the internet for allowing a subscriber to select at least one calling feature via the internet, the processing system programmed to perform the process comprising:

receiving a call under the control of said controller from a calling party, using a communications device, intended for a subscriber, the processing system processing the call pursuant to at least one calling feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;

invoking the at least one calling feature prior to said received call reaching a terminating central office, said at least one calling feature placing at least two calls simultaneously to at least two different communications devices previously designated by said subscriber;

detecting that one of at least two calls has been answered at one of the communications devices; and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between the calling party's communications device and the answered communications device.

Remarks

Claims 1, 3-7, 10, and 12-21 are pending after the amendments. Claims 1, 3-5, 7, 10, 12-15 have been amended to overcome the Examiner's rejection. Claims 2, 8, 9, 11 have been cancelled. Claims 1 and 10 have been amended to include the limitations of Claims 2 and 11, respectively. Claims 18-21 have been added. Additionally, the term "end unit" used in the claims was changed to "communications device" to be clearer. All amendments are supported by Figs. 1, 2, and 5, page 8, line 5, to page 9, line 25, and the original claims.

The examiner rejected Claims 1, 2, 4-11, and 13-17 under 35 USC 102(e) as being anticipated by Schwab (US 6,381,323).

"Within the PSTN"

All independent Claims 1, 10, 19-21 now contain the limitation that the processing system is "within the public switched telephone network (PSTN)" to better distinguish the claims over Schwab.

Schwab discloses a "PAS platform 18" that can be programmed by subscribers to do simultaneous call forwarding. The PAS platform 18 is an edge device (see Fig. 1). Edge devices are discussed on page 2, lines 19-27, of Applicants' specification and suffer several disadvantages.

It is known to those of skill in the art that as part of the deregulation of the telecommunications industry in the 1980's the carriers agreed not to operate or maintain equipment or facilities located on the customer's premise. It was also agreed that equipment connected to the PSTN would be FCC registered, and that demarcation points (smart jacks) would be installed at the edge of the customer's premise to provide a boundary between the PSTN and the subscriber. Subscriber-operated equipment connected to the PSTN are called edge devices and are considered outside the PSTN.

Schwab uses "personal access service (PAS)" numbers to provide a means for subscribers to access the platform 18 (see col. 4, lines 13-16). PAS numbers are similar

to direct inward dial (DID) numbers used to connect customer provided PABXs to the PSTN as the local exchange carrier would rent a block of numbers to a subscriber who would then assign them to its customers using the platform. Many carriers now use ISDN PRIs (primary rate interface) as a method of delivery of these numbers. If the PAS platform 18 was within the PSTN, then PAS numbers would be unnecessary as the carriers using the platform would simply provide local numbers from its number pool, or, even better, use local number portability to LNP the subscribers number directly to the platform. No discussion of local number portability appears in Schwab.

The edge device descriptions are found in Schwab as follows:

Connection to the PSTN Col. 5, line 45

FCC Col. 5, Line 50

PRI, BRI, Col. 5, lines 50-51

End Office Switch Col. 5, line 53

Smart Jack Col. 5, line 54

Line Side Connection Col. 6, line 8

Customer Premises Equipment Col. 6, lines 9-10

Thus the platform 18 in Schwab is not inside the PSTN and is exemplary of an edge device.

Therefore, since all of Applicants' independent claims include the limitation that the processing system is connected within the PSTN, these claims are not suggested by Schwab. There are many advantages to the processing system being connected within the PSTN so the difference is very significant.

“Web Enabled, Internet”

The limitation that the calling feature implemented by the processing system is programmed into the processing system via the internet has been added to all the independent claims.

Although Schwab mentions the “web” just one time in passing at Col. 4, line 30, in the entire 76-page patent, it does not suggest or disclose any of the web-enabling features described and shown in detail in the specification and drawings of Applicants’ application.

The “PAS PLATFORM 18” as shown in Schwab’s Fig. 4 is deficient as it is missing key elements for web enablement, such as the web server and the link to the internet.

Applicants’ claimed invention allows subscriber control, via the internet, over the claimed calling feature performed by the processing system. This is not suggested by Schwab.

Claims 1, 3-5, 7, 10, and 12-15, have been amended to distinctly point out these patentably distinguishable features not found in Schwab. New Claims 18-21 have been added to the application. These new claims patentably distinguish over Schwab for the same reasons as stated above with respect to Claims 1-17.

Dependent Claims 3 and 12 were rejected under 35 U.S.C. 103(a) as being unpatentable over Schwab in view of Kugell (U.S. patent 5,802,160). Schwab in combination with Kugell could not suggest the various amended independent claims, so the dependent claims are also non-obvious.

It is respectfully submitted that all claims are allowable. If the examiner would like to discuss the claims with Applicant’s attorney, the examiner is invited to call the undersigned at 408-382-0480 x202.

Certificate of Electronic Transmission	
I hereby certify that this correspondence is being submitted electronically to the United States Patent and Trademark Office on the date shown below.	
/Brian D Ogonowsky/ Attorney for Applicant(s)	September 25, 2009 Date

Respectfully submitted,

/Brian D Ogonowsky/

Brian D. Ogonowsky
Attorney for Applicant(s)
Reg. No. 31,988

Electronic Acknowledgement Receipt	
EFS ID:	6149573
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	Branch Calling and Caller ID Based Call Routing Telephone Features
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	32566
Filer:	Brian D. Ogonowsky/Edith Fuentes
Filer Authorized By:	Brian D. Ogonowsky
Attorney Docket Number:	TEL-M-8801-1P-1D
Receipt Date:	25-SEP-2009
Filing Date:	30-NOV-2007
Time Stamp:	19:06:23
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
i		TEL-M-8801-1P-1D_Supp-Resp-OA-Notice-Non-Compliant.pdf	98934 02a05e4f049254d28 88c623a78081e4b524e1025e	yes	11

Multipart Description/PDF files in .zip description		
Document Description	Start	End
Supplemental Response or Supplemental Amendment	1	1
Claims	2	8
Applicant Arguments/Remarks Made in an Amendment	9	11

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 11/948,965		Filing Date 11/30/2007		<input type="checkbox"/> To be Mailed			
APPLICATION AS FILED – PART I					OTHER THAN						
(Column 1)		(Column 2)		SMALL ENTITY <input checked="" type="checkbox"/>		OR		SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)	RATE (\$)		
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		N/A		N/A		N/A		
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A		N/A		N/A		N/A		
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A		N/A		N/A		N/A		
TOTAL CLAIMS <small>(37 CFR 1.16(j))</small>	minus 20 =	*	X \$ =		OR	X \$ =		X \$ =			
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =		OR	X \$ =		X \$ =			
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).										
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>											
* If the difference in column 1 is less than zero, enter "0" in column 2.					TOTAL		TOTAL				
APPLICATION AS AMENDED – PART II					OTHER THAN						
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR		SMALL ENTITY	
AMENDMENT	09/25/2009	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	
Total <small>(37 CFR 1.16(i))</small>	• 17	Minus	** 20	= 0	X \$26 =	0	OR	X \$ =			
Independent <small>(37 CFR 1.16(h))</small>	• 5	Minus	***5	= 0	X \$110 =	0	OR	X \$ =			
<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>							OR				
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>							OR				
					TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE			
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR		SMALL ENTITY	
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	
Total <small>(37 CFR 1.16(i))</small>	•	Minus	**	=	X \$ =		OR	X \$ =			
Independent <small>(37 CFR 1.16(h))</small>	•	Minus	***	=	X \$ =		OR	X \$ =			
<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>							OR				
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>							OR				
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.					Legal Instrument Examiner: /MARQUITA D. JONES/						
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".											
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 11/948,965		Filing Date 11/30/2007		<input type="checkbox"/> To be Mailed			
APPLICATION AS FILED – PART I					OTHER THAN						
(Column 1)		(Column 2)		SMALL ENTITY <input checked="" type="checkbox"/>		OR		SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)					
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		N/A						
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A		N/A						
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A		N/A						
TOTAL CLAIMS <small>(37 CFR 1.16(j))</small>	minus 20 =	*	X \$ =		OR	X \$ =					
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =		OR	X \$ =					
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).										
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>											
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL		TOTAL						
APPLICATION AS AMENDED – PART II					OTHER THAN						
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR		SMALL ENTITY	
AMENDMENT	07/27/2009	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)			
Total <small>(37 CFR 1.16(o))</small>	• 17	Minus	** 20	= 0	X \$26 =	0	OR	X \$ =			
Independent <small>(37 CFR 1.16(h))</small>	• 5	Minus	*** 3	= 2	X \$110 =	220	OR	X \$ =			
<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>							OR				
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>							OR				
					TOTAL ADD'L FEE	220	OR	TOTAL ADD'L FEE			
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR		SMALL ENTITY	
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)			
Total <small>(37 CFR 1.16(o))</small>	•	Minus	**	=	X \$ =		OR	X \$ =			
Independent <small>(37 CFR 1.16(h))</small>	•	Minus	***	=	X \$ =		OR	X \$ =			
<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>							OR				
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>							OR				
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.											
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".											
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".											
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.											

Legal Instrument Examiner:
 /WANDA D. MITCHELL/

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2635 NORTH FIRST STREET
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Paper No.

Application No.:	11/948,965 	Date Mailed:	09/21/2009
First Named Inventor:	Wood, Samuel, F.	Examiner:	SMITH, CREIGHTON H
Attorney Docket No.:	TEL-M-8801-1P-1D	Art Unit:	2614
Confirmation No.:	3783	Filing Date:	11/30/2007

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

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PTO-90c (Rev.08-06)

CISCO SYSTEMS, INC. v. FOCAL IP, LLC
FOCAL IP, LLC EX2005 - 141
'777ProsHist
IPR2016-01257

Notice of Non-Compliant Amendment (37 CFR 1.121)	Application No. 11/948,965	Applicant(s) WOOD ET AL.	
		Art Unit 1700	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

The amendment document filed on 27 July, 2009 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121 or 1.4. In order for the amendment document to be compliant, correction of the following item(s) is required.

THE FOLLOWING MARKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

1. Amendments to the specification:

A. Amended paragraph(s) do not include markings.

B. New paragraph(s) should not be underlined.

C. Other _____.

2. Abstract:

A. Not presented on a separate sheet. 37 CFR 1.72.

B. Other _____.

3. Amendments to the drawings:

A. The drawings are not properly identified in the top margin as "Replacement Sheet," "New Sheet," or "Annotated Sheet" as required by 37 CFR 1.121(d).

B. The practice of submitting proposed drawing correction has been eliminated. Replacement drawings showing amended figures, without markings, in compliance with 37 CFR 1.84 are required.

C. Other _____.

4. Amendments to the claims:

A. A complete listing of all of the claims is not present.

B. The listing of claims does not include the text of all pending claims (including withdrawn claims)

C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified. Note: the status of every claim must be indicated after its claim number by using one of the following status identifiers: (Original), (Currently amended), (Canceled), (Previously presented), (New), (Not entered), (Withdrawn) and (Withdrawn-currently amended).

D. The claims of this amendment paper have not been presented in ascending numerical order.

E. Other: Newly submitted claims should not be underlined.

5. Other (e.g., the amendment is unsigned or not signed in accordance with 37 CFR 1.4): For further explanation of the amendment format required by 37 CFR 1.121, see MPEP § 714.

TIME PERIODS FOR FILING A REPLY TO THIS NOTICE:

1. Applicant is given **no new time period** if the non-compliant amendment is an after-final amendment or an amendment filed after allowance, or a drawing submission (only) If applicant wishes to resubmit the non-compliant after-final amendment with corrections, the **entire corrected amendment** must be resubmitted.

2. Applicant is given **one month**, or thirty (30) days, whichever is longer, from the mail date of this notice to supply the correction, if the non-compliant amendment is one of the following: a preliminary amendment, a non-final amendment (including a submission for a request for continued examination (RCE) under 37 CFR 1.114), a supplemental amendment filed within a suspension period under 37 CFR 1.103(a) or (c), and an amendment filed in response to a Quayle action. If any of above boxes 1 to 4 are checked, the correction required is only the corrected section of the non-compliant amendment in compliance with 37 CFR 1.121.

Extensions of time are available under 37 CFR 1.136(a) only if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action.

Failure to timely respond to this notice will result in:

Abandonment of the application if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action; or

Non-entry of the amendment if the non-compliant amendment is a preliminary amendment or supplemental amendment.

Legal Instruments Examiner (LIE), if applicable /WANDA D. MITCHELL/ Telephone No: (571)272-1032

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Samuel F. Wood, Margaret Susan Asprey, Jerry A. Klein
Assignee: Telemaze, Inc.
Title: Branch Calling and Caller ID Based Call Routing Telephone Features
Serial No.: 11/948,965 Filed: November 30, 2007
Examiner: Creighton H. Smith Group Art Unit: 2614
Docket No.: TEL-M-8801-1P-1D Conf. no.: 3783

San Jose, California
July 27, 2009

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Dear Commissioner:

This responds to the Office Action dated March 9, 2009.

Amendments to the claims begin on page 2 of this paper.

Remarks begin on page 9 of this paper.

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1. (currently amended) A method performed by a web-enabled processing system connected within the public switched telephone network (PSTN) comprising:
 - receiving a call ~~from~~ in response to a calling party entering a first number, using a communications device, ~~an end-unit intended for~~ a subscriber, ~~the processing system~~ processing the call pursuant to at least one calling feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;
 - placing at least two ~~or more~~ calls simultaneously to at least two ~~or more~~ associated different communications devices ~~end-units~~ designated by the subscriber;
 - detecting that the call has been answered at one of the communications devices ~~end-units~~; and
 - in response to the detecting, abandoning other calls to ~~either~~ the remaining one or more communications devices ~~end-units~~ and establishing a connection between the calling party's communications device ~~end-unit~~ and the answered communications device ~~end-unit~~.

2. (cancelled)

3. (currently amended) The method of Claim 1 further comprising:
 - detecting first information about the source of the call;

associating the first information with a calling feature, previously selected by the subscriber to be performed on the call, the calling feature being to forward the call to at least two ~~or more~~ communications devices ~~end units~~; and

simultaneously placing at least two calls ~~the call~~ to at least the two ~~or more~~ communications devices ~~end units~~.

4. (currently amended) The method of Claim 1 wherein the at least the two ~~or more~~ calls to the communications devices ~~end units~~ are any combination of local call, long distance call, ~~and~~ cellular call, and VOIP call.

5. (currently amended) The method of Claim 1 wherein, when one of the calls to the communications devices ~~end units~~ is answered, an answer supervision signal is transmitted to the processing system, and the processing system terminates the other calls.

6. (original) The method of Claim 5 wherein the answer supervision is pursuant to the SS7 signaling protocol.

7. (currently amended) The method of Claim 1 wherein the processing system is connected to a PSTN tandem switch within the PSTN, and wherein receiving a call from a calling party comprises:

receiving a first call through the tandem switch from the calling party intended for the subscriber after the calling party has ~~enter~~ entered a first telephone number, the first telephone number being the subscriber's public telephone number, said processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

8. (cancelled)

9. (cancelled)

10. (currently amended) A controller connected ~~within the~~ ~~to a~~ public switched telephone network (PSTN) comprising:

a processing system connected within the PSTN and linked to the internet for selecting at least one calling feature via the internet, the processing system programmed to perform the process comprising:

receiving a call from a calling party, using a communications device ~~an end-unit, to~~ intended for a subscriber, whereby said processing system implements a calling feature previously designated by said subscriber via the internet;

placing at least two ~~or more~~ calls simultaneously to at least two ~~or more~~ associated different communications devices ~~end-units~~ previously designated by the subscriber;

detecting that the call has been answered at one of the communications devices ~~end-units~~; and

in response to the detecting, abandoning other calls to ~~other~~ the remaining one or more communications devices ~~end-units~~ and establishing a connection between the calling party's communications device ~~end-unit~~ and the answered communications device ~~end-unit~~.

11. (cancelled)

12. (currently amended) The controller of Claim 10 wherein the processing system is programmed to perform the process comprising:

detecting first information about the source of the call;

associating the first information with a feature, selected by the subscriber, to be performed on the call, the feature being to forward the call to the at least two or more different communications devices ~~end units~~; and

simultaneously placing the at least two calls ~~the call to the at least the two or more different communications devices~~ ~~end units~~.

13. (currently amended) The controller of Claim 10 wherein the at least two ~~the two or more~~ calls to the communications devices ~~end units~~ are any combination of local call, long distance call, ~~and~~ cellular call, and VOIP call.

14. (currently amended) The controller of Claim 10 wherein, when one of the calls to the communications devices ~~end units~~ is answered, an answer supervision signal is transmitted to the processing system, and the processing system terminates the other calls.

15. (currently amended) The controller of Claim 10 wherein the processing system is connected to a PSTN tandem switch within the PSTN, and wherein receiving a call from a calling party comprises:

receiving a first call through the tandem switch from the calling party intended for the subscriber after the calling party has ~~enter~~ entered a first telephone number, the first telephone number being the subscriber's public telephone number, said processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

16. (original) The controller of Claim 10 wherein the processing system is connected to the PSTN in the subscriber's local service area.

17. (original) The controller of Claim 10 wherein the subscriber is a subscriber of residential telephone service.

18. (new) The controller of Claim 10 wherein the subscriber is a subscriber of business telephone service.

19. (new) A method performed by a processing system within the public switched telephone network (PSTN) comprising:

placing at least two calls simultaneously to at least two different communications devices designated by a subscriber using a communications device, the processing system processing the calls pursuant to at least one calling feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;

receiving the at least two calls made simultaneously to said at least two different communications devices designated by said subscriber via the internet;

detecting that one of the calls has been answered at one of the communications devices; and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between said subscriber's communications device and the answered communications device.

20. (new) A controller connected within the public switched telephone network (PSTN) comprising:

a processing system linked to the internet for allowing a subscriber to select at least one calling feature over the web, the processing system programmed to perform the process comprising:

placing at least two calls simultaneously to at least two different communications devices designated by a subscriber using a communications device, the processing system processing the calls pursuant to at least one calling

feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;

receiving at least two calls made simultaneously to said at least two different communications devices designated by the subscriber via the internet;

detecting that the call has been answered at one of the communications devices; and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between the calling party's communications device and the answered communications device.

21. (new) A controller connected within the public switched telephone network (PSTN) comprising:

a processing system linked to the internet for allowing a subscriber to select at least one calling feature via the internet, the processing system programmed to perform the process comprising:

receiving a call under the control of said controller from a calling party, using a communications device, intended for a subscriber, the processing system processing the call pursuant to at least one calling feature designated by said subscriber, where the at least one calling feature had previously been communicated to the processing system by said subscriber via the internet;

invoking the at least one calling feature prior to said received call reaching a terminating central office, said at least one calling feature placing at least two calls simultaneously to at least two different communications devices previously designated by said subscriber;

detecting that one of at least two calls has been answered at one of the communications devices; and

in response to the detecting, abandoning other calls to the remaining one or more communications devices and establishing a connection between the calling party's communications device and the answered communications device.

Remarks

Claims 1, 3-7, 10, and 12-21 are pending after the amendments. Claims 1, 3-5, 7, 10, 12-15 have been amended to overcome the Examiner's rejection. Claims 2, 8, 9, 11 have been cancelled. Claims 1 and 10 have been amended to include the limitations of Claims 2 and 11, respectively. Claims 18-21 have been added. Additionally, the term "end unit" used in the claims was changed to "communications device" to be clearer. All amendments are supported by Figs. 1, 2, and 5, page 8, line 5, to page 9, line 25, and the original claims.

The examiner rejected Claims 1, 2, 4-11, and 13-17 under 35 USC 102(e) as being anticipated by Schwab (US 6,381,323).

"Within the PSTN"

All independent Claims 1, 10, 19-21 now contain the limitation that the processing system is "within the public switched telephone network (PSTN)" to better distinguish the claims over Schwab.

Schwab discloses a "PAS platform 18" that can be programmed by subscribers to do simultaneous call forwarding. The PAS platform 18 is an edge device (see Fig. 1). Edge devices are discussed on page 2, lines 19-27, of Applicants' specification and suffer several disadvantages.

It is known to those of skill in the art that as part of the deregulation of the telecommunications industry in the 1980's the carriers agreed not to operate or maintain equipment or facilities located on the customer's premise. It was also agreed that equipment connected to the PSTN would be FCC registered, and that demarcation points (smart jacks) would be installed at the edge of the customer's premise to provide a boundary between the PSTN and the subscriber. Subscriber-operated equipment connected to the PSTN are called edge devices and are considered outside the PSTN.

Schwab uses "personal access service (PAS)" numbers to provide a means for subscribers to access the platform 18 (see col. 4, lines 13-16). PAS numbers are similar

to direct inward dial (DID) numbers used to connect customer provided PABXs to the PSTN as the local exchange carrier would rent a block of numbers to a subscriber who would then assign them to its customers using the platform. Many carriers now use ISDN PRIs (primary rate interface) as a method of delivery of these numbers. If the PAS platform 18 was within the PSTN, then PAS numbers would be unnecessary as the carriers using the platform would simply provide local numbers from its number pool, or, even better, use local number portability to LNP the subscribers number directly to the platform. No discussion of local number portability appears in Schwab.

The edge device descriptions are found in Schwab as follows:

Connection to the PSTN Col. 5, line 45

FCC Col. 5, Line 50

PRI, BRI, Col. 5, lines 50-51

End Office Switch Col. 5, line 53

Smart Jack Col. 5, line 54

Line Side Connection Col. 6, line 8

Customer Premises Equipment Col. 6, lines 9-10

Thus the platform 18 in Schwab is not inside the PSTN and is exemplary of an edge device.

Therefore, since all of Applicants' independent claims include the limitation that the processing system is connected within the PSTN, these claims are not suggested by Schwab. There are many advantages to the processing system being connected within the PSTN so the difference is very significant.

“Web Enabled, Internet”

The limitation that the calling feature implemented by the processing system is programmed into the processing system via the internet has been added to all the independent claims.

Although Schwab mentions the “web” just one time in passing at Col. 4, line 30, in the entire 76-page patent, it does not suggest or disclose any of the web-enabling features described and shown in detail in the specification and drawings of Applicants’ application.

The “PAS PLATFORM 18” as shown in Schwab’s Fig. 4 is deficient as it is missing key elements for web enablement, such as the web server and the link to the internet.

Applicants’ claimed invention allows subscriber control, via the internet, over the claimed calling feature performed by the processing system. This is not suggested by Schwab.

Claims 1, 3-5, 7, 10, and 12-15, have been amended to distinctly point out these patentably distinguishable features not found in Schwab. New Claims 18-21 have been added to the application. These new claims patentably distinguish over Schwab for the same reasons as stated above with respect to Claims 1-17.

Dependent Claims 3 and 12 were rejected under 35 U.S.C. 103(a) as being unpatentable over Schwab in view of Kugell (U.S. patent 5,802,160). Schwab in combination with Kugell could not suggest the various amended independent claims, so the dependent claims are also non-obvious.

It is respectfully submitted that all claims are allowable. If the examiner would like to discuss the claims with Applicant’s attorney, the examiner is invited to call the undersigned at 408-382-0480 x202.

Certificate of Electronic Transmission	
I hereby certify that this correspondence is being submitted electronically to the United States Patent and Trademark Office on the date shown below.	
/Brian D Ogonowsky/ Attorney for Applicant(s)	July 27, 2009 Date

Respectfully submitted,

/Brian D Ogonowsky/

Brian D. Ogonowsky
Attorney for Applicant(s)
Reg. No. 31,988

Electronic Patent Application Fee Transmittal				
Application Number:	11948965			
Filing Date:	30-Nov-2007			
Title of Invention:	Branch Calling and Caller ID Based Call Routing Telephone Features			
First Named Inventor/Applicant Name:	Samuel F. Wood			
Filer:	Brian D. Ogonowsky/Edith Fuentes			
Attorney Docket Number:	TEL-M-8801-1P-1D			
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Independent claims in excess of 3	2201	2	110	220
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension - 2 months with \$0 paid	2252	1	245	245
Miscellaneous:				
Total in USD (\$)				465

Electronic Acknowledgement Receipt	
EFS ID:	5777686
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	Branch Calling and Caller ID Based Call Routing Telephone Features
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	32566
Filer:	Brian D. Ogonowsky/Edith Fuentes
Filer Authorized By:	Brian D. Ogonowsky
Attorney Docket Number:	TEL-M-8801-1P-1D
Receipt Date:	27-JUL-2009
Filing Date:	30-NOV-2007
Time Stamp:	19:33:39
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$465
RAM confirmation Number	5546
Deposit Account	502226
Authorized User	OGONOWSKY,BRIAN D
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)
 Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)
 Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		TEL-M-8801-1P-1D_Response-to-OA.pdf	98414 869b95907540c68e99ac23f7442f26141b-4008	yes	11

Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	8
Applicant Arguments/Remarks Made in an Amendment	9	11

Warnings:

Information:

2	Fee Worksheet (PTO-875)	fee-info.pdf	32291 cd2b7db6d0241f7238a13ad27123d1796df-75c9f	no	2
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Warnings:

Information:

Total Files Size (in bytes): 130705

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/948,965	11/30/2007	Samuel F. Wood	TEL-M-8801-1P-1D	3783
32566	7590	03/09/2009	EXAMINER	
PATENT LAW GROUP LLP 2635 NORTH FIRST STREET SUITE 223 SAN JOSE, CA 95134			SMITH, CREIGHTON H	
			ART UNIT	PAPER NUMBER
			2614	
			MAIL DATE	DELIVERY MODE
			03/09/2009	PAPER

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

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 11/948,965	Applicant(s) WOOD ET AL.	
	Examiner CREIGHTON SMITH	Art Unit 2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 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) 1-17 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) 1-17 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 11.30.07 12.04.07.
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date: _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

Art Unit: 2614

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 –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 4-11, 13-17 are rejected under 35 U.S.C. 102(E) as being anticipated by Schwab et al, U.S. Pat. #6,381,323.

Schwab et al disclose in col. 1, lines 40 et seq. a method of routing incoming phone calls that includes the steps of coupling an incoming call to a subscriber to a platform, then in step (e) Schwab et al disclose "if it is determined that a 'simultaneous' search feature is active, then the incoming call will be directed to **all** number's on the subscriber's simultaneous list stored on the platform. In col. 4, lines 43, et seq. Schwab et al disclose that if the subscriber chooses simultaneous ring option, all of the phone numbers selected by the subscriber will ring at once until one of the phone numbers is answered. Schwab et al never specifically disclose that once a phone answers the call that the other phones will abandon the call, but this is inherently what is happening because once the call is answered the network will abandon/cease calling the other phones in order to conserve network resources and thus save money. For claim 2, see Fig. 1, element #14.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3, 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwab et al in view of Kugell et al, U.S. Pat. #5,802,160.

Kugell et al disclose in col. 5, lines 48 et seq. simultaneous ringing at a home number 21 and a cellular number 24 when a 1-800 number is called. Kugell et al further disclose in col. 4, lines 54 et seq the use of ANI to determine who is calling. To have used Kugell's teaching of the use of ANI in Schwab et al routing system would have been obvious to a person having ordinary skill in the art because both references are teaching simultaneous ringing of forwarded calls.

Any inquiry concerning this communication should be directed to CREIGHTON SMITH at telephone number (571)272-7546.

05 MAR '09

/CREIGHTON SMITH/
Primary Examiner, Art Unit 2614



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BIB DATA SHEET

CONFIRMATION NO. 3783

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
11/948,965	11/30/2007	379	2614	TEL-M-8801-1P-1D		
APPLICANTS Samuel F. Wood, Los Altos Hills, CA; Jerry A. Klein, Los Altos, CA; Margaret Susan Asprey, Los Altos, CA; ** CONTINUING DATA ***** This application is a DIV of 10/426,279 04/30/2003 PAT 7,324,635 which is a CIP of 09/565,565 05/04/2000 PAT 6,574,328 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY ** 12/15/2007						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and /CREIGHTON H SMITH/ Acknowledged _____ <small>Examiner's Signature</small>		<input type="checkbox"/> Met after Allowance Initials _____	STATE OR COUNTRY CA	SHEETS DRAWINGS 11	TOTAL CLAIMS 17	INDEPENDENT CLAIMS 2
ADDRESS PATENT LAW GROUP LLP 2635 NORTH FIRST STREET SUITE 223 SAN JOSE, CA 95134 UNITED STATES						
TITLE Branch Calling and Caller ID Based Call Routing Telephone Features						
FILING FEE RECEIVED 435	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit			

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	9	((@ad<="20000504") and ((plac\$3 or call\$3 or mak\$3) with (plural\$3 or multiple or two) with calls with subscriber with associat\$3 with (terminal or device or \$4phone\$1 or end adj unit\$1) with (simultaneously or time))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/05 10:57
S1	13	((@ad<="20050303") and (feature\$1 adj interaction\$1) and (access\$3 with subscriber \$3 near4 record\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/31 10:29
S2	3	(ad<="20050316") and ("455".clas. or "370".clas.) and (packet adj synchronization adj switch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/05 11:29
S3	117	(ad<="20050316") and ("455".clas. or "370".clas.) and ((switch\$3 or divert\$3 or shift\$3 or transfer\$4) with circuit with packet with (wireless or mobile or cell\$4) near4 network with tim\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/05 11:33
S4	11631	(ad<="20050316") and ("455".clas. or "370".clas.) and ((switch\$3 or divert\$3 or shift\$3 or transfer\$4) with circuit with packet close\$3 with (wireless or mobile or cell \$4) near4 network with tim \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/05 11:36
S5	1	(ad<="20050316") and ("455".clas. or "370".clas.) and ((switch\$3 or divert\$3 or shift\$3 or transfer\$4) with circuit with packet with close \$3 with (wireless or mobile or cell\$4) near4 network with tim \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/05 11:37
S6	9244	((@ad<="20000504") and branch with call\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/04 14:54

S7	576	((@ad<="20000504") and branch adj call\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/04 14:54
S8	25	((@ad<="20000504") and branch adj calling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/04 14:54
S9	25	((@ad<="20000504") and (branch adj calling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/04 14:55
S10	576	((@ad<="20000504") and (branch adj call\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/04 14:55
S11	1002	((@ad<="20000504") and ((plac\$3 or call\$3 or mak\$3) with (plural\$3 or multiple or two) with calls with subscriber))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/04 15:50
S12	67	((@ad<="20000504") and ((plac\$3 or call\$3 or mak\$3) with (plural\$3 or multiple or two) with calls with subscriber with associat\$3 with (terminal or device or \$4phone\$1 or end adj unit \$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/04 15:52

3/ 5/ 2009 11:02:19 AM


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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(@ad<="20000504") and ((plac\$3 or call\$3 or mak\$3) with (plural\$3 or multiple or two) with calls with subscriber with associat\$3 with (terminal or device or \$4phone\$1 or end adj unit\$1) with (simultaneously or time)). clm.	US-PGPUB	OR	OFF	2009/03/05 12:34

3/ 5/ 2009 12:35:18 PM

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Search Notes 	Application/Control No. 11948965	Applicant(s)/Patent Under Reexamination WOOD ET AL.
	Examiner CREIGHTON SMITH	Art Unit 2614

SEARCHED			
Class	Subclass	Date	Examiner
379	211.04	05 MAR '09	chs

SEARCH NOTES			
Search Notes		Date	Examiner
EAST		05 MAR '09	chs

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

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Index of Claims 	Application/Control No. 11948965	Applicant(s)/Patent Under Reexamination WOOD ET AL.
	Examiner CREIGHTON SMITH	Art Unit 2614

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE									
Final	Original	03/05/2009									
	1	✓									
	2	✓									
	3	✓									
	4	✓									
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	14	✓									
	15	✓									
	16	✓									
	17	✓									

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	65	379/211.04.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/05 12:45
L2	24	379/211.04.ccls. and (@ad<="20000504")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/05 12:46
L3	3	379/211.04.ccls. and (@ad<="20000504") and (simultaneous\$2 with (ring\$3 or rout\$3)) and (caller adj id or ani)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/05 14:43

3/ 5/ 2009 3:02:21 PM

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APPLICATION NUMBER	FILING OR 371(c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/948,965	11/30/2007	Samuel F. Wood	TEL-M-8801-1P-1D

CONFIRMATION NO. 3783

32566
PATENT LAW GROUP LLP
2635 NORTH FIRST STREET
SUITE 223
SAN JOSE, CA95134

Title: Branch Calling and Caller ID Based Call Routing Telephone Features

Publication No. US-2008-0075262-A1

Publication Date: 03/27/2008

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publicly available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

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In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Pre-Grant Publication Division, 703-605-4283



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
11/948,965	11/30/2007	2614	435	TEL-M-8801-1P-1D	17	2

CONFIRMATION NO. 3783

FILING RECEIPT



32566
PATENT LAW GROUP LLP
2635 NORTH FIRST STREET
SUITE 223
SAN JOSE, CA 95134

Date Mailed: 12/19/2007

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Applicant(s)

Samuel F. Wood, Los Altos Hills, CA;
Jerry A. Klein, Los Altos, CA;
Margaret Susan Asprey, Los Altos, CA;

Assignment For Published Patent Application

TELEMAZE LLC, Los Altos, CA

Power of Attorney: The patent practitioners associated with Customer Number 32566

Domestic Priority data as claimed by applicant

This application is a DIV of 10/426,279 04/30/2003
which is a CIP of 09/565,565 05/04/2000 PAT 6,574,328

Foreign Applications

If Required, Foreign Filing License Granted: 12/15/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 11/948,965**

Projected Publication Date: 03/27/2008

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Branch Calling and Caller ID Based Call Routing Telephone Features

Preliminary Class

379

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

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page 2 of 3

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Samuel F. Wood, Jerry A. Klein, Margaret Susan Asprey
Assignee: Telemaze LLC
Title: Branch Calling and Caller ID Based Call Routing Telephone Features
Serial No.: Not yet known Filing Date: November 29, 2007
Examiner: Not yet known Group Art Unit: Not yet known
Docket No.: TEL-M-8801-1P-1D

San Jose, California
December 4, 2007

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.97(b)**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying form PTO/SB/08A are called to the attention of the Examiner for the above patent application. Copies of the References are not included because they were cited in the parent application no. 10/426,279, filing date April 30, 2003.

1. A very large quantity of prior art is cited in the PTO/SB/08A form (formerly PTO 1449) because the present invention is related to the invention in U.S. Patent 6,614,781 to Elliot, and the identified prior art is copied from the "References Cited" section of that patent. There is no other reason for why the Applicants believe the identified art is material to the present claims. Only a few of the prior art documents are discussed below.

2. Various prior art documents describe systems in which telephone features are only applied once a call reaches the called party's central office. In contrast, Applicants' claims specify that the telephone features are applied before the call reaches the terminating central office. This provides various important advantages, discussed in the application. Other distinguishing aspects of the claims also exist.

PATENT LAW
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(408) 382-0480
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3. U.S. Patent 6,614,781 to Elliot discloses a method of implementing a telephone feature that requires a change, modification, or enhancement to the software of the central office of the PSTN. To use the features offered by the Elliot '781 patent, the call must reach the central office offering the feature.
4. U.S. Patents 6,445,694 and 6,785,266 to Swartz disclose methods to provide telephone features, where the processing that provides the features occurs outside of the PSTN.
5. U.S. Patent 6,094,478 to Shepherd describes a processor for providing features, where the processor is located at the terminating central office.
6. U.S. Patent 6,853,714 to Liljestrand is similar to the Shepherd patent in that the processing for providing telephone features occurs at the central office.

Citation of these documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;
2. a representation that a search has been made; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

<p>Certificate of Electronic Transmission I hereby certify that this correspondence is being submitted electronically to the United States Patent and Trademark Office using EFS-Web on the date shown below.</p>	
<p><u>/Brian D Ogonowsky/</u> Attorney for Applicant(s)</p>	<p><u>December 4, 2007</u> Date of Signature</p>

Respectfully submitted,

/Brian D Ogonowsky/

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	11/948,965
		Filing Date	November 30, 2007
		First Named Inventor	Samuel F. Wood
		Art Unit	2614
		Examiner Name	Not yet known
		Attorney Docket Number	TEL-M-8801-1P-1D
Sheet	1	of	22

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4100377	Jul., 1978	Flanagan	
		US- 4238851	Dec., 1980	Takahashi et al.	
		US- 4569041	Feb., 1986	Takeuchi et al.	
		US- 4608685	Aug., 1986	Jain et al.	
		US- 4630260	Dec., 1986	Toy et al.	
		US- 4630262	Dec., 1986	Callens et al.	
		US- 4661947	Apr., 1987	Lea et al.	
		US- 4674082	Jun., 1987	Flanagin et al.	
		US- 4679190	Jul., 1987	Dias et al.	
		US- 4679191	Jul., 1987	Nelson et al.	
		US- 4707831	Nov., 1987	Weir, deceased et al.	
		US- 4715026	Dec., 1987	Eberspaecher	
		US- 4723238	Feb., 1988	Isreal et al.	
		US- 4757497	Jul., 1988	Beierle et al.	
		US- 4761779	Aug., 1988	Nara et al.	
		US- 4771425	Sep., 1988	Baran et al.	
		US- 4815071	Mar., 1989	Shimizu	
		US- 4819228	Apr., 1989	Baran et al.	
		US- 4862451	Aug., 1989	Closs et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁵
		Country Code ² -Number ³ -Kind Code ⁴ (if known)				

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; font-size: small;">(Use as many sheets as necessary)</p>	<h3 style="text-align: center; margin: 0;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>11/948,965</td> </tr> <tr> <td>Filing Date</td> <td>November 30, 2007</td> </tr> <tr> <td>First Named Inventor</td> <td>Samuel F. Wood</td> </tr> <tr> <td>Art Unit</td> <td>2614</td> </tr> <tr> <td>Examiner Name</td> <td>Not yet known</td> </tr> <tr> <td>Attorney Docket Number</td> <td>TEL-M-8801-1P-1D</td> </tr> </table>	Application Number	11/948,965	Filing Date	November 30, 2007	First Named Inventor	Samuel F. Wood	Art Unit	2614	Examiner Name	Not yet known	Attorney Docket Number	TEL-M-8801-1P-1D
Application Number	11/948,965												
Filing Date	November 30, 2007												
First Named Inventor	Samuel F. Wood												
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Examiner Name	Not yet known												
Attorney Docket Number	TEL-M-8801-1P-1D												
Sheet <u>2</u> of <u>22</u>													

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4866704	Sep., 1989	Bergman	
		US- 4872159	Oct., 1989	Hemmady et al.	
		US- 4872160	Oct., 1989	Hemmady et al.	
		US- 4885739	Dec., 1989	Read et al.	
		US- 4903261	Feb., 1990	Baran et al.	
		US- 4926416	May., 1990	Weik	
		US- 4932022	Jun., 1990	Keeney et al.	
		US- 4933931	Jun., 1990	Kokubo	
		US- 4953158	Aug., 1990	Schreur	
		US- 4958341	Sep., 1990	Hemmady et al.	
		US- 4962497	Oct., 1990	Ferenc et al.	
		US- 4969184	Nov., 1990	Gordon et al.	
		US- 4970721	Nov., 1990	Aczel et al.	
		US- 4975695	Dec., 1990	Almond et al.	
		US- 4996685	Feb., 1991	Farese et al.	
		US- 5008929	Apr., 1991	Olsen et al.	
		US- 5014266	May., 1991	Bales et al.	
		US- 5018136	May., 1991	Gollub	
		US- 5020058	May., 1991	Holden et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	11/948,965
		Filing Date	November 30, 2007
		First Named Inventor	Samuel F. Wood
		Art Unit	2614
		Examiner Name	Not yet known
		Attorney Docket Number	TEL-M-8801-1P-1D
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U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5022071	Jun., 1991	Mozer et al.	
		US- 5048081	Sep., 1991	Gavaras et al.	
		US- 5051983	Sep., 1991	Kammerl	
		US- 5093827	Mar., 1992	Franklin et al.	
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		US- 5197067	Mar., 1993	Fujimoto et al.	
		US- 5208806	May., 1993	Hasegawa	
		US- 5218602	Jun., 1993	Grant et al.	
		US- 5231633	Jul., 1993	Hluchyj et al.	
		US- 4926416	May., 1990	Weik	
		US- 4932022	Jun., 1990	Keeney et al.	
		US- 4933931	Jun., 1990	Kokubo	
		US- 5241588	Aug., 1993	Babson, III et al.	
		US- 5247571	Sep., 1993	Kay et al.	
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		Number-Kind Code ² (if known)			
		US- 5301189	Apr., 1994	Schmidt et al.	
		US- 5305308	Apr., 1994	English et al.	
		US- 5327428	Jul., 1994	Van As et al.	
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		US- 5359598	Oct., 1994	Steagall et al.	
		US- 5365521	Nov., 1994	Ohnishi et al.	
		US- 5379293	Jan., 1995	Kanno et al.	
		US- 5381405	Jan., 1995	Daugherty et al.	
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		US- 5383183	Jan., 1995	Yoshida	
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		US- 5390184	Feb., 1995	Morris	
		US- 5396491	Mar., 1995	Newman	
		US- 5420858	May., 1995	Marshall et al.	
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		US- 5426636	Jun., 1995	Hiller et al.	
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		US- 5452289	Sep., 1995	Sharma et al.	
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		US- 5544163	Aug., 1996	Madonna	
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		US- 5724412	Mar., 1998	Srinivasan	
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		Number-Kind Code ² (if known)			
		US- 5793771	Aug., 1998	Darland et al.	
		US- 5799154	Aug., 1998	Kuriyan	
		US- 5805587	Sep., 1998	Norris et al.	
		US- 5805588	Sep., 1998	Petersen	
		US- 5809022	Sep., 1998	Byers et al.	
		US- 5809128	Sep., 1998	McMullin	
		US- 5812534	Sep., 1998	Davis et al.	
		US- 5815505	Sep., 1998	Mills	
		US- 5818912	Oct., 1998	Hammond	
		US- 5825771	Oct., 1998	Cohen et al.	
		US- 5828666	Oct., 1998	Focsaneanu et al.	
		US- 5838665	Nov., 1998	Kahn et al.	
		US- 5867494	Feb., 1999	Krishnaswamy et al.	
		US- 5867495	Feb., 1999	Elliott et al.	
		US- 5881060	Mar., 1999	Morrow et al.	
		US- 5881131	Mar., 1999	Farris et al.	
		US- 5889774	Mar., 1999	Mirashrafi et al.	
		US- 5915008	Jun., 1999	Dulman	
		US- 5922047	Jul., 1999	Newlin et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
	Application Number	11/948,965	
	Filing Date	November 30, 2007	
	First Named Inventor	Samuel F. Wood	
	Art Unit	2614	
	Examiner Name	Not yet known	
	Attorney Docket Number	TEL-M-8801-1P-1D	
Sheet	10	of	22

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5933490	Aug., 1999	White et al.	
		US- 5954799	Sep., 1999	Goheen et al.	
		US- 5963551	Oct., 1999	Minko	
		US- 5991291	Nov., 1999	Asai et al.	
		US- 5999525	Dec., 1999	Krishnaswamy et al.	
		US- 6009469	Dec., 1999	Mattaway et al.	
		US- 6026083	Feb., 2000	Albrow et al.	
		US- 6069890	May., 2000	White et al.	
		US- 6134235	Oct., 2000	Goldman et al.	
		US- 6278707	Aug., 2001	MacMillan et al.	
		US- 6324183	Nov., 2001	Miller et al.	
		US- 6327258	Dec., 2001	Deschaine et al.	
		US- 6339594	Jan., 2002	Civanlar et al.	
		US- 5946684	Aug., 1999	Lund	
		US- 6094478	Jul., 2000	Shepherd et al.	
		US- 6028917	Feb., 2000	Creamer et al.	
		US- 6104800	Aug., 2000	Benson	
		US- 6078581	Jun., 2000	Shtivelman et al.	
		US- 6259692	Jul., 2001	Shtivelman et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Electronic Acknowledgement Receipt	
EFS ID:	2546473
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	Branch Calling and Caller ID Based Call Routing Telephone Features
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	32566
Filer:	Brian D. Ogonowsky/Edith Fuentes
Filer Authorized By:	Brian D. Ogonowsky
Attorney Docket Number:	TEL-M-8801-1P-1D
Receipt Date:	04-DEC-2007
Filing Date:	
Time Stamp:	21:47:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement Letter	TEL-M-8801-1P-1D_IDS-Tra ns.pdf	109759 <small>b1 03d5a5184bc6f9e43630f841be78bbf e454736</small>	no	2

Warnings:

Information:

2	Miscellaneous Incoming Letter	Form-PTO-SB-0008A_pages 01-22.pdf	2168449 <small>797b88823ded6e9d9b5599d850e3c92 70cb2436</small>	no	22
Warnings:					
Information:					
Total Files Size (in bytes):			2278208		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	TEL-M-8801-1P-1D
	First Inventor	Samuel F. Wood
	Title	Branch Calling and Caller ID Based Call
	Express Mail Label No.	Electronic Filing

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450
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1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i> 2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages <u>26</u>] Both the claims and abstract must start on a new page <i>(For information on the preferred arrangement, see MPEP 608.01(a))</i> 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>11</u>] 5. Oath or Declaration [Total Sheets <u>3</u>] a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> A copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i> <input type="checkbox"/> Landscape Table on CD 8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, items a. - c. are required)</i> a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies	ACCOMPANYING APPLICATION PARTS 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) Name of Assignee _____ 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i> 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 12. <input checked="" type="checkbox"/> Information Disclosure Statement (PTO/SB/08 or PTO-1449) <input type="checkbox"/> Copies of citations attached 13. <input type="checkbox"/> Preliminary Amendment 14. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 17. <input type="checkbox"/> Other: _____
--	---

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: 10/426,279.....

Prior application information: Examiner: Creighton H. Smith Art Unit: 2614

19. CORRESPONDENCE ADDRESS

The address associated with Customer Number: 32566 OR Correspondence address below

Name	Brian D. Ogonowsky				
Address	Patent Law Group LLP 2635 North First St., Suite 223				
City	San Jose	State	CA	Zip Code	95134
Country	USA	Telephone	(408) 382-0480	Email	brian@patentlawgroup.com
Signature	/Brian D Ogonowsky/			Date	2007-11-30
Name (Print/Type)	Brian D. Ogonowsky			Registration No. (Attorney/Agent)	31988

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TEL-M-8801-1P-1D
		Application Number	
Title of Invention	Branch Calling and Caller ID Based Call Routing Telephone Features		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2

Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2. (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Applicant Information:

Applicant 1					Remove
Applicant Authority <input checked="" type="radio"/> Inventor		<input type="radio"/> Legal Representative under 35 U.S.C. 117		<input type="radio"/> Party of Interest under 35 U.S.C. 118	
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Samuel	F.	Wood		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	Los Altos Hills	State/Province	CA	Country of Residence ⁱ	US
Citizenship under 37 CFR 1.41(b) ⁱ		US			
Mailing Address of Applicant:					
Address 1	12648 La Cresta Court				
Address 2					
City	Los Altos Hills	State/Province	CA		
Postal Code	94022	Country ⁱ	US		
Applicant 2					Remove
Applicant Authority <input checked="" type="radio"/> Inventor		<input type="radio"/> Legal Representative under 35 U.S.C. 117		<input type="radio"/> Party of Interest under 35 U.S.C. 118	
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Jerry	A.	Klein		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	Los Altos	State/Province	CA	Country of Residence ⁱ	US
Citizenship under 37 CFR 1.41(b) ⁱ		US			
Mailing Address of Applicant:					
Address 1	671 Milverton Road				
Address 2					
City	Los Altos	State/Province	CA		
Postal Code	94022	Country ⁱ	US		
Applicant 3					Remove
Applicant Authority <input checked="" type="radio"/> Inventor		<input type="radio"/> Legal Representative under 35 U.S.C. 117		<input type="radio"/> Party of Interest under 35 U.S.C. 118	
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Margaret	Susan	Asprey		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	Los Altos	State/Province	CA	Country of Residence ⁱ	US

EFS Web 2.1

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	TEL-M-8801-1P-1D
	Application Number	
Title of Invention	Branch Calling and Caller ID Based Call Routing Telephone Features	

Citizenship under 37 CFR 1.41(b) i	US		
Mailing Address of Applicant:			
Address 1	422 Traverso Court		
Address 2			
City	Los Altos	State/Province	CA
Postal Code	94022	Country	US
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.			<input type="button" value="Add"/>

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
<input type="checkbox"/> An Address is being provided for the correspondence information of this application.			
Customer Number	32566		
Email Address	brian@patentlawgroup.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	Branch Calling and Caller ID Based Call Routing Telephone Features		
Attorney Docket Number	TEL-M-8801-1P-1D	Small Entity Status Claimed	<input checked="" type="checkbox"/>
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	11	Suggested Figure for Publication (if any)	10
Publication Information:			
<input type="checkbox"/> Request Early Publication (Fee required at time of Request 37 CFR 1.219)			
<input type="checkbox"/> Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not been and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.			

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.			
Please Select One:	<input checked="" type="radio"/> Customer Number	<input type="radio"/> US Patent Practitioner	<input type="radio"/> US Representative (37 CFR 11.9)

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TEL-M-8801-1P-1D
		Application Number	
Title of Invention	Branch Calling and Caller ID Based Call Routing Telephone Features		
Customer Number	32566		

Domestic Priority Information:

This section allows for the applicant to claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c). Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior Application Status	Pending	<input type="button" value="Remove"/>			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
	Division of	10426279	2003-04-30		
Prior Application Status	Patented	<input type="button" value="Remove"/>			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
10426279	Continuation in part of	09565565	2000-05-04	6574328	2003-06-03
Additional Domestic Priority Data may be generated within this form by selecting the Add button.					<input type="button" value="Add"/>

Foreign Priority Information:

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

<input type="button" value="Remove"/>			
Application Number	Country ⁱ	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			<input checked="" type="radio"/> Yes <input type="radio"/> No
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			<input type="button" value="Add"/>

Assignee Information:

Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office.

<input type="button" value="Remove"/>			
Assignee 1			
If the Assignee is an Organization check here. <input checked="" type="checkbox"/>			
Organization Name	Telemaze LLC		
Mailing Address Information:			
Address 1	101 North First Street		
Address 2			
City	Los Altos	State/Province	CA
Country ⁱ	US	Postal Code	94022
Phone Number		Fax Number	
Email Address			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	TEL-M-8801-1P-1D
	Application Number	
Title of Invention	Branch Calling and Caller ID Based Call Routing Telephone Features	

Additional Assignee Data may be generated within this form by selecting the **Add** button.

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature	/Brian D Ogonowsky/		Date (YYYY-MM-DD)	2007-11-30	
First Name	Brian	Last Name	Ogonowsky	Registration Number	31988

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

BRANCH CALLING AND CALLER ID BASED
CALL ROUTING TELEPHONE FEATURES

Samuel F. Wood

Jerry A. Klein

Margaret Susan Asprey

5

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a division of U.S. Application Serial No. 10/426,279, filed April
10 30, 2003, entitled "Branch Calling and Caller ID Based Call Routing Telephone Features,"
which is a continuation-in-part of U.S. Application Serial No. 09/565,565, filed May 4, 2000,
entitled "Telephone Call Control System for the Public Switched Telephone Network," now
U. S. Paten No. 6,574,328, both incorporated herein by reference.

FIELD OF THE INVENTION

15 This invention relates to telephone services and, in particular, to a system for
allowing a subscriber to select features of the subscriber's telephone service and to various
novel features that can be selected.

BACKGROUND

20 People have used various means for limiting interruptions due to the telephone. In the
past, people used switchboards and secretaries to screen incoming, or inbound, calls. Voice
mail systems took over some of this role both in the home and in the central office. Today,
there are web-based companies managing 3rd-party call control, via the toll-switch network,
which allow users to enter call control information through a web portal. There are also edge
devices in each of the public telephone company's central offices which provide local control,
25 but offer an extremely limited number of features and do not provide true 3rd-party call
control.

The web-based toll systems provide good user interaction but they are not economical
and cannot take advantage of local number portability because they do not provide local
control and connectivity.

The Public Switched Telephone Network (PSTN) consists of a plurality of edge switches connected to telephones on one side and to a network of tandem switches on the other. The tandem switch network allows connectivity between all of the edge switches, and a signalling system is used by the PSTN to allow calling and to transmit both calling and called party identity.

Until now, optional features were provided by the local service telephone company (telco) through the edge switch at the central office (CO). It was not possible to provide optional features through any other means. Control of these features was done through the first party (calling party) or the second party (called party), or worse yet, manually by calling the business office.

In the past, numerous devices have been built that allow the connection of two lines together at an edge switch. These devices can be used to add features to a telephone network by receiving a call on one line and then dialing out on another line. The problem with these devices is that, because they are connected through an edge switch, transmission losses and impairments occur, degrading the overall connection. In addition, signalling limitations prevent full control, by the subscriber or the system, over the call.

A preferred embodiment of the inventive system described herein connects at the tandem, thereby eliminating these problems.

In the edge devices residing in the PSTN central offices, the 1st party (the calling party) has numerous features available (dialing options). The 2nd party (called party) also has options available such as call forwarding, but these features typically require access from the first or second party's device and are extremely awkward to program. The user interaction is not only awkward, it is limited and requires interaction with the telephone company to provision them. In other words, past systems for provisioning, meaning addition, modification, or control of telephone features, required a subscriber to make the feature selection through the telephone business office. Central office workers would then implement the provisioning under request of the business office.

Call Forwarding is one popular provision. There is significant transmission degradation for Call Forwarding to take place. The calling party pays for a call to the edge

device, and the edge subscriber, the called party, pays for the call to the forwarding number. For enhanced inbound call control to occur, a direct 3rd-party call control means is needed.

A variety of services have arisen to address the problems mentioned above. Many of these systems allow the called party to make changes to his/her call forwarding attributes
5 which do not allow direct 3rd-party call control. These services provide good user interaction, some via the internet, but they rely upon the toll network through the use of "800" numbers.

This requires the subscriber to pay by the minute and does not allow the subscriber to take advantage of number portability in order to obtain 3rd-party call control. There are other toll network mechanisms for remote call forwarding. For example, MCI offers a service where
10 the customer can remotely change the forwarding target number for "800" numbers. Contacting the ultimate end-user before terminating the first incoming call is similar to the manner in which "800" credit calls and collect calls are processed, but these are not done at the local subscriber level.

In addition to these toll services, there are edge devices that perform some of the
15 same services. Edge devices such as phones and PBXs that include voice mail, inter-active voice response, call forwarding, speed calling, etc., have been used to provide additional call control. These devices allow the phone user direct control over incoming and outgoing calls. The disadvantage of edge devices is that they add cost, degrade voice and transmission quality, can be difficult to program, are not easily programmed remotely, can require the user
20 to pay for two lines, provide lower quality of service, and cannot provide the same level of functionality as a system that controls the PSTN directly. There are Voice Over Internet Protocol (VoIP) products emerging that provide better user interfaces and control but they do not take advantage and voice quality of the PSTN.

25 SUMMARY

A system for allowing a subscriber to remotely control features is described herein along with various telephone features that may be programmed into the system. A subscriber may be any customer using the telephone service, in contrast to employees of the PSTN who may use special communication networks within the PSTN. Two such features are caller ID

(CID) based call routing and branch calling. The system allows the subscriber to set up a feature where the CID signal is detected within the PSTN and automatically associated with stored information relating to the caller. The stored information may have been previously entered into a memory within the PSTN by the subscriber via the world wide web. The CID
5 signal may be also used to route the call to one of more forwarding numbers or to take any other action, such as blocking the call. This feature also allows the subscriber to use the CID signal to display certain information even though the caller may have her CID blocked.

Another feature described herein is referred to as branch calling, which allows a call to be forwarded to multiple telephones simultaneously, where the first telephone answered
10 terminates the calling of the other telephones (or any other end units).

The preferred system described herein adds direct control of third party call control features, but does not suffer from any of the disadvantages listed above, and allows the subscriber to manage his/her telephone system in a dynamic and exceptionally useful manner that is not currently available through the existing PSTN. The system allows enhanced direct
15 third-party call control features, such as selective call routing and remote dialing, to be added to the PSTN (Public Switched Telephone Network) using local call control and providing dynamic provisioning of the system by the subscriber. Direct 3rd-party control means that the ability to provision the 3rd-party features is directly available to a subscriber, eliminating the need to go through the telephone company (telco) business office.

20 In one embodiment, the system includes a processor (referred to herein as a tandem access controller) connected to the PSTN which would allow anyone to directly provision, that is to say set-up and make immediate changes to, the configuration of his or her phone line. In another embodiment, a tandem access controller (TAC) subsystem is connected internally to the PSTN in a local service area. The TAC provides features, selected by the
25 subscriber, to all edge switches connected to the PSTN tandem switch. Connecting directly to the PSTN tandem switch (or embedding the system into the tandem switch) eliminates the signal degradation problems previously described.

In one embodiment, the system allows provisioning of features via the internet under direct control of the subscriber. Recently, several products have been introduced that provide
30 a means of controlling features via the public internet. However, all these devices fall short in

that they require the subscriber to obtain an "800" number or some other number that requires the subscriber to pay a toll charge each time a call is made. The system connects locally, so no toll charges are incurred.

5 The offered features are implemented by software programs run by the processing system.

The web-enhanced services in one embodiment of the invention coexist with and overlay the local phone service at the local level, thereby providing good economics and user interaction, single number access to multiple subscriber devices, connectivity without transmission impairments and true, direct 3rd-party call control.

10 The present system relies upon use of local telephone facilities thereby eliminating all the extra charges associated with making toll calls. It also allows the user to take advantage of number portability and keep his/her existing public phone number.

BRIEF DESCRIPTION OF THE DRAWINGS

15 Fig. 1 illustrates the tandem access controller (TAC) in one embodiment of the present invention connected to the existing PSTN tandem switch, the TAC providing features for the subscriber's telephone as requested by the subscriber via the web.

20 Fig. 2 illustrates a system similar to Fig. 1 but showing multiple tandem switches and TACs and also showing how the subscriber may, in addition to using the standard telephone, make phone calls using Voice Over IP via a conventional digital telephone.

Fig. 3 is a flowchart of one method that a person may use to set up a subscriber account and to designate features the subscriber would like for his/her telephone.

25 Fig. 4 is a flowchart of a method that can be performed by the TAC in response to the subscriber (or other service) controlling the TAC, using the web (or other packet-based system), to change the subscriber's telephone provisioning or perform another function, such as make a VoIP call.

Fig. 5 is a flowchart of a method that can be performed by the TAC in response to an inbound call to the subscriber.

Fig. 6 is a flowchart of a method performed by the subscriber and the TAC when the subscriber desires to make an outbound call via the web or using a conventional telephone.

Fig. 7 illustrates a system, using the TAC, that allows wireless cell phones to obtain the same provisioning options as the conventional telephones.

5 Fig. 8 illustrates a system, using the TAC, that allows fax and modem calls to benefit from the provisioning offered by the TAC.

Fig. 9 is a flowchart of possible scenarios using the caller ID based feature.

Fig. 10 is a flowchart of possible scenarios using the branch calling feature.

DETAILED DESCRIPTION OF THE EMBODIMENTS

Fig. 1 shows a tandem access controller (TAC) 10 that allows an authorized subscriber 12 to establish 3rd-party control criteria for calls to the subscriber's telephone 14 (having a "public" phone number that callers dial). In one embodiment, the TAC 10 is a
5 programmed processor. The TAC 10 may use any combination of hardware, firmware, or software and, in one embodiment, is a conventional computer programmed to carry out the functions described herein.

The TAC 10 is connected to or inside the conventional PSTN tandem switch 16 such that calls may flow through the TAC 10 in the same manner as the existing PSTN tandem
10 switch, except that additional 3rd-party features are applied to the call. As is well known, PSTN tandem switches are exchanges that direct telephone calls (or other traffic) to central offices 17,18 or to other tandem switches. Details of the operation of the existing phone network may be found in the publication entitled "New Net SS7 Tutorial," by ADC Telecommunications, copyright 1999, incorporated herein by reference. Additional details
15 may be found in the numerous books describing the PSTN.

The PSTN tandem switch 16 directs a first call (from the calling party 20 to the subscriber's phone 14 using the subscriber's public phone number) to the TAC 10, which in turn places a second call, subject to 3rd-party control information, to the subscriber's
20 "private" phone number without yet terminating the first call. The TAC 10 is connected within the subscriber's local service area so calls from TAC 10 to the subscriber do not incur a toll. When the subscriber 12 terminates (or answers) the second call, the TAC 10 terminates the first call and connects it to the second call, thereby connecting the calling party 20 to the subscriber 12. Hence, the calling party essentially calls the TAC 10, using the subscriber's public phone number, and the TAC 10, after processing the call using the selected features,
25 calls the subscriber, as appropriate, using the subscriber's private phone number and connects the two calls. The process is transparent to the parties.

The TAC 10 is connected inside the PSTN in the sense that it is not an edge device such as a PBX or central office (CO) switch because it does not connect directly to subscribers. Rather, it redirects calls to subscribers. The TAC 10 provides intelligent
30 interconnection between a calling party and a subscriber.

The reader should keep in mind that although only one tandem switch 16 is shown in Fig. 1, the invention will apply equally well to a network of tandem switches, as shown in Fig. 2. Fig. 2 also illustrates how the subscriber can make calls using voice over IP via a conventional digital telephone 21.

5 Fig. 1 illustrates the preferred method for an authorized subscriber to modify the 3rd-party control criteria by means of the world wide web 22 (and web server 23) using an internet browser. By "authorized" we mean a subscriber who is registered and has logged-in with appropriate security and password controls. The subscriber 12 interacts with the web 22 via the Internet to quickly and easily specify the enhanced 3rd-party call control features.
10 Web 22 then relays this information, in appropriate form, to the TAC 10. Preferably, the link to the TAC 10 uses a secure protocol. Examples of features that can be selected by the subscriber include: conditional call blocking, call forwarding, call altering, time of day conditions, day of week conditions, follow-me, caller recognition/password, caller ID, call screening/retrieval from voice mail, speed dialing, interactive voice response, and speech
15 recognition. Any other feature could be added. These features can be implemented in the TAC 10 using known software techniques since such features are known. Message outgoing call control includes: click-to-dial calling and group calling/messaging.

The invention may also include ivr/vm/voverip.

Fig. 1 uses a public internet portal connected via a data link to the TAC 10 or other
20 interface system. As a registered subscriber, a user logs onto the portal (Fig. 3) and is granted access, allowing the user to make additions or changes to features such as speed calling, call forwarding, selection of such descriptors as time of day, busy status, caller ID status, etc. A user-friendly web page leads the subscriber through the various procedures and available features. The selections made by the subscriber are translated into provisioning data and
25 transmitted to the TAC 10. The TAC 10 in turn keeps track of incoming and outgoing calls based on this information.

The subscriber can also program a set of the call control features via a telephone link in the event a data link connection is unavailable.

Fig. 4 is a flowchart of actions that may be taken by the TAC 10 in response to the
30 subscriber (or other service) controlling the TAC, using the web or other packet-based

system, to change the subscriber's telephone provisioning or perform another function, such as make a VoIP call.

Fig. 5 is a flowchart of actions taken by the TAC 10 in response to an inbound call (using the subscriber's public phone number) to the subscriber. Examples of some of the actions taken by the TAC 10 are:

- Receives SS7 data indicating an incoming call
- Stores phone numbers downloaded from provisioning system
- Charts identity of calling party
- Checks time of day
- Stores lists of numbers in groups used for processing incoming calls
- Places outgoing calls in response to incoming calls according to information downloaded on the data link.

Incoming call data is received by the TAC 10 from the tandem switch 16. The TAC 10 processor checks calling and called numbers, class of service, time of day, number lists, etc. In some cases additional data is gathered from the calling party via a DSP (Digital Signal Processing) system and stored in the system memory. The DSP system is used to play call progress tones and voice announcements as required. Voice announcements can be played through the DSP system. In response to the call data, an outgoing call to the subscriber 12 may be placed back through the tandem switch 16 by TAC 10. The TAC 10 links the two calls and monitors the connection.

Information about the call may be collected by the TAC 10 and sent to the subscriber or a 3rd party for display. Such information may be the length of the call or information used to bill the subscriber for the use of the system. The provisioning system can also collect control information from a 3rd party and relay it back to the TAC 10, which will then affect the call accordingly.

Fig. 6 is a flowchart of actions taken by the subscriber 12 and the TAC 10 when the subscriber desires to make an outbound call via the web or using a conventional telephone.

When using the web to place a call, the subscriber may simply click a name on the computer screen 26 using a mouse.

Fig. 7 illustrates a system, using the TAC 10, that allows wireless cell phones 28 to obtain the same provisioning options as the conventional telephones 14. A local cell 30 and a cell switch 32 are also shown in Fig. 7.

Fig. 8 illustrates a system, using the TAC 10, that allows fax and modem calls to benefit from the provisioning offered by the TAC 10. The TAC 10 may interface the ISP 36 through the web 22.

One embodiment of the invention allows a subscriber to view the current state of his/her telephone via the Internet. Internet is a term of art by which we mean an interconnection of packet switched networks. Prior to this system there was no way for a user to examine the status of a telephone line. Recently, several products have been introduced that provide a means of examining the voice message boxes.

An internet portal is connected via a data link to the TAC 10. When a user logs onto the internet portal and is granted access to an individual subscription, the user can examine the status of calls/features. This information is transmitted from the TAC 10 to the web portal and translated into user viewables. The TAC 10 keeps track of incoming and outgoing calls based on this information.

The TAC 10 may be implemented using conventional processor hardware. The connection to the tandem switch 16 may be as simple as a telephone circuit, since the TAC 10 receives an incoming call from a caller and processes the call. Devising the software/firmware use to control the TAC 10 is well within the capability of those skilled in the art since the various control features that can be made available are generally already known.

Certain advantages that can be obtained using the invention include the following:

Web-Based Telecom Navigator

Manage Incoming Call Control

- Conditional Call Blocking/Forwarding/Alerting

- Time-of-Day, Day-of-Week, Follow-Me, Caller Recognition/Password, Caller ID, etc.
- Call Screening/Retrieval from Voice Mail
- Interactive Voice Response and Speech Recognition

5 Manage Outgoing Call Control

- Click-to-Dial Calling
- Group Calling and Messaging

Web-Based Billing

10 **Web-Driven Personal Communications Management**

Cost-Effective Single Phone Number Access

On-Line "Personal Digital Assistant"

On-Line "Telcom Navigator"

Inspired User Interaction

15 Secure and Reliable Technology

Cost-Effective Single Phone Number Access

CLEC Status

- Free Local Calls, Incoming Calls (not 800 Toll Service)
- 20 • Retain Current Number (Local Number Portability)
- Low-Cost Calling Throughout LATA
- Flat-Rate Foreign Exchange
- Single Installation Covers Entire LATA
- VoIP Toll-Bypass

Compatible With Existing Devices, Standards

- Standard DTMF and VoIP Phones
- Wireless Phones
- Standard Wired/Wireless and PIM Browsers

5

Web-Based Personal Digital Assistant

Centralized and Consistent Personal Data

- Build Once, Use Anywhere
- Private/Public Phone Directories and Calendars
- "Post-It" Style Annotation of Numbers

10

Web Dialing

- Click-to-Dial from Web Pages, Directories, Calendars
- Multiple Phone List Management

Unified Messaging

- Voice Mail Access, Prompts, Alert Via Web

15

User Interaction

Expected Behavior

- Compatible with Familiar Products (e.g. Palm Pilot)
- Commonality Between All Wired and Wireless

20

Mode-Based Definition and Selection

- Vacation, Dinner Time, Go Away, Family Call Waiting
- Templates

Learning Modes

- Persona-Based User Interaction Design
- Speech recognition
- Windows drag and drop

Automatic Data Capture

- 5
- Build Phone List Based on Collected Usage Information
 - Drag and Drop Into Lists

Secure and Reliable Technology

Separate Web-Site and Link Gateway

- 10
- No Direct External Access to Gateway
 - Additional Security Layer
 - No Denial-of-Service to Voice Links

VoIP Link Degradation Detection

- Automatic Cutover to PSTN

15

E-Commerce Security

- Billing Encryption

Caller ID Based Call Routing

20 One advantage of using TAC 10 is its ability to enhance caller ID information. Caller ID is a common feature where a calling party's telephone number is transmitted to the called party's telephone so it can be displayed on a small display screen in the telephone. This caller ID information is provided by the calling party's central office switch. Signaling System No. 7 (SS7) is a global standard for telecommunications and defines the procedures and protocol by which network elements in the PSTN exchange information (including the caller ID) over the telephone network for call set up, routing, and control. In some telephone

25

sets, including wireless telephones, the name of the caller associated with the telephone number is also displayed on the called party's display screen.

TAC 10 can use this automatically generated caller ID signal to provide an enhanced set of caller ID related features. One such feature is the association of the standard caller ID information with additional information about the caller stored in a memory addressed by TAC 10. The enhanced caller ID information provided through TAC 10 provides a valuable tool to the subscriber in handling incoming calls. The basic caller ID information, such as the caller's telephone number and name, can still be sent to the subscriber's phone and displayed in a conventional manner while the enhanced caller ID information may be displayed on the phone display or on the subscriber's computer monitor via the web.

The caller ID signals, pursuant to the SS7 protocol, are detected by TAC 10 when a calling party calls the subscriber using the subscriber's public telephone number, as previously described. TAC 10 then uses the basic caller ID data to address a look-up table (LUT) containing any additional information that the subscriber has entered into the LUT's memory locations for association with that caller ID data. Fig. 8 shows such a LUT within or connected to TAC 10.

In one example, the subscriber may identify a prospective calling party's telephone number to TAC 10 via the Internet and then associate the number with any other information for storing in LUT 40. Such other information may be all the possible callers using the calling telephone, personal information regarding the calling party, billing information, business information, account numbers, past discussions with the caller, or any other information. When TAC 10 detects the caller ID signals, TAC 10 addresses LUT 40 and downloads the retrieved information to the subscriber's telephone display or to the subscriber's computer via the web. Since TAC 10 (including LUT 40) stores this additional information, the subscriber is not required to personally provide processing or memory devices for this feature.

Multiple subscribers use the same TAC 10 and LUT 40 but only the memory locations in LUT 40 authorized for access by a particular subscriber are available to that subscriber.

A subscriber may program TAC 10 using the various means described previously to perform any number of features on an incoming telephone call based upon the caller ID data. Such features include forwarding a call associated with that particular caller ID data to one or more other telephones, or blocking calls associated with that particular caller ID data. Such calls may be forwarded or blocked only at certain times or on certain days as requested by the subscriber. All of the other features previously described may also be applied based upon the caller ID.

When the calling party elects to block her caller ID information, displaying the caller's number and name on the subscriber's telephone may violate the privacy act, so such a restriction should be programmed into the system. However, TAC 10 may still use the caller ID information for various legal purposes. For example, the subscriber may not wish to receive phone calls from a particular phone number or calling party. The subscriber may transmit to TAC 10 the caller ID information (e.g., the telephone number and/or the name) and instruct TAC 10 to either forward the call, block the call, or transmit any additional information from LUT 40 to the subscriber's phone display or computer monitor for screening the caller.

If caller ID information does not exist, such as where the local telephone company does not offer caller ID, TAC 10, when receiving the incoming call, can transmit an automatic message to the caller to enter identification information. TAC 10 then uses that information to address LUT 40 to identify any associated information in LUT 40 for transmission to the subscriber. TAC 10, in a recorded or simulated voice, can request the caller to enter her phone number via the telephone keypad. Alternatively, TAC can request that the caller speak her name or number, which would then be played to the subscriber or converted to text or a code by TAC 10 to address LUT 40. Alternatively, the caller can enter a personal identification number or any other type of code (e.g., the caller's name) via the keypad, which would identify the caller to TAC 10. Once obtained, the caller ID information entered can be used to route the incoming call via TAC 10 in any way programmed by the subscriber. Call routing can be based on time of day, the caller ID, any web input instructions, a direction by the calling party itself, or any other variable.

This technique is contrasted with 800-type services, which are reverse long distance services requiring the owner of the 800 number to pay for the incoming call. With 800 numbers, the caller ID must be unblocked to identify the amount of the toll. With the inventive technique, even blocked caller ID calls can result in information about the caller
5 being transmitted to the subscriber or used by TAC 10 to selectively perform a function.

Fig. 9 is a flowchart of various scenarios that may be carried out using the caller ID feature.

In step 50 of Fig. 9, an incoming call is received by TAC 10, as previously described, by a calling party calling the subscriber's public telephone number. In all embodiments
10 described herein, the end unit called may be a residential telephone or other communication device connected to the PSTN via a central office, such as a computer, fax machine, or other communication device. The services provided by TAC 10 may be for residential telephone service or for business telephone service.

In step 52, using the SS7 protocol, TAC 10 detects the caller ID signal (CID), if any.
15 Even if the calling party has a blocked CID, the CID is still transmitted to TAC 10; however the blocked caller ID cannot be displayed on the called party's telephone. If the CID is detected, the process continues to steps 54 and 56, which determine whether the CID is associated with any data in a look-up table. Existing data in the look-up table associated with the CID indicates that the caller is a previous caller. If caller ID information is known
20 without ever previously receiving a call from that party, the additional information can still be entered into the look-up table, and the calling party will be treated as not a new caller in step 54.

Assuming the caller has information stored in the look-up table, this additional information is retrieved by TAC 10 and displayed on a web page (step 58) that is accessible
25 by the subscriber via the web. In addition, the caller's name and telephone number may also be displayed (step 60). The information may also be transmitted to the subscriber's telephone for display.

In step 62, TAC 10 performs any programmed function on the call, such as forwarding the call to the subscriber's private telephone number or another number.

The placing of the second call by TAC 10 causes the called phone to ring (step 64) as well as causes the CID and additional information to be available to the subscriber (step 66) on the subscriber's telephone display. When the subscriber answers the phone, TAC 10 completes the connection between the two parties.

5 The retrieved information from LUT 40 that is transmitted over the web may appear as a screen pop-up on the subscriber's monitor. This CID information can then be reviewed and edited to include new information about the caller provided during the call. The subscriber then downloads this edited information to TAC 10 so future calls from the same caller would display the new information.

10 In step 54 if it is determined that the CID information is not associated with any existing information in the look-up table, TAC 10 determines whether the CID is blocked (identified in the SS7 protocol) in step 68. If the CID is not blocked, then the CID information is transmitted to the subscriber's telephone when TAC 10 places the call to the subscriber's private number (or any other forwarding number), and the CID is displayed on
15 the subscriber's phone.

In step 68, if it is determined that the CID is blocked, TAC 10 will prompt the caller, via a recorded message or a simulated voice, to press the appropriate touch tone buttons to unblock the CID (step 70). For example, TAC 10 may be programmed to detect that a "1" key is pressed by the caller to unblock CID and then treat the CID information as unblocked.
20 Alternatively, the caller may be required to call back after pressing the proper touch tone keys to unblock the CID in a conventional way.

In step 72, if the CID is now unblocked, the CID is obtained from the caller in step 74. The process also goes to step 74 if, in step 52, the CID is not initially obtained.

25 In step 76, TAC 10 determines whether the CID signal has been provided by the calling party from either the automatic CID signals or from the caller manually entering the caller's telephone number, name, or PIN, as previously described. If yes, then in step 54 TAC 10 uses the CID information to determine whether the caller is a new caller, and the remainder of the process continues as previously described.

In step 72, if it is determined that the CID remains blocked after TAC 10 has prompted the caller to unblock the CID, then in step 74 it is determined by TAC 10 (after reviewing the subscriber's programmed instructions) whether the subscriber is accepting blocked calls. If yes, TAC 10 then places a call to the subscriber's private number or any other number identified by the subscriber, and puts the blocked call through. The blocked CID information would not be transmitted to the subscriber's phone.

If the subscriber's instructions are to not accept blocked calls, then in step 78 the blocked call is not forwarded to the subscriber's phone, or the blocked call is sent to voice mail. Voice mail may be a memory internal to TAC 10, or TAC 10 may transmit a special code to the subscriber's phone that automatically causes the call to be routed to a private voice mail system.

As seen, as long as the caller ID data received by TAC 10 has information associated with it in the look-up table, the stored information can be transmitted to the subscriber even if the caller ID is blocked. Further, even blocked caller IDs can still be used by TAC 10 to perform a routing function on the call. The caller ID feature may be implemented by a software program run by the processing system in TAC 10.

Because the conventional blocked CID information provided by the phone company is never displayed to the subscriber, the tagging system does not violate the privacy act. Known features such as call trace (where CID is provided to law enforcement people), or call return (where the blocked caller can be called back) have established a legal precedent that it is ok to use blocked CID information for certain purposes as long as the caller ID is not disclosed to the called party

Branch Calling

Branch calling is an enhanced telephone feature not believed to be provided on today's public telephone networks. This feature can be easily provided using TAC 10.

Branch calling is a technique where a caller places a first call intended for a called party to TAC 10. After receiving the call, TAC 10 looks up the call handling instructions programmed into TAC 10 by the subscriber via the web, via the telephone, or via any other

technique. One set of these instructions is branch calling, which instructs TAC 10 to simultaneously call any number of different telephone numbers programmed into TAC 10 by the subscriber. The called phone numbers may be any combination of local, long distance, or cellular numbers.

5 When a party answers one of the ringing lines, the answering party is connected to the calling party, and the other calls are abandoned.

 For branch calling to operate in the most desirable manner, the system must detect that a call has been answered in order to terminate the calls to the other telephones (or other end units). Accordingly, some form of answer supervision must be present. Answer
10 supervision is implemented inside the PSTN but generally not available to private networks (e.g., PABXs). Since SS7 signaling supports answer supervision, it is easy for this branch calling feature to be provided through TAC 10 since TAC 10 is connected inside the PSTN.

 Prior art systems without answer supervision must call each forwarding number sequentially, whereby after a certain number of preprogrammed rings, the calling stops and
15 the next number is called until someone answers the phone. Because a ringing time-out must occur before the next call can be tried, an unrealistically long delay can occur before the call is placed to the proper telephone and finally answered. In contrast, the present invention allows TAC 10 to ring all the numbers simultaneously so the call can be answered quickly.

 It is desirable that the answer supervision signaling not be delayed so that the calling
20 and called parties may be connected quickly when the call is answered and so that during the delay time two parties do not answer two different ringing phones.

 Fig. 10 is a flowchart of some scenarios in branch calling, whereby an incoming call to TAC 10 causes TAC 10 to place at least two new calls simultaneously and, when one of these phones is answered, the remaining calls are abandoned.

25 In step 80 of Fig. 10, TAC 10 receives an incoming call.

 In step 82, TAC 10 looks up the routing instructions for the DNIS (Dialed Number Identification Service) and caller ID (if any). The DNIS identifies the number that was called, and the caller ID (CID) identifies the calling telephone number and sometimes the caller. DNIS works by transmitting the touch tone digits to TAC 10. A subscriber for TAC 10 may

program TAC 10, as previously described, to perform any number of functions based upon the DNIS number, the CID, the time of day, or based upon any other factor. Such instructions may be stored in a look-up table addressed by the subscriber's public phone number (identified by the DNIS number). Since multiple subscribers will be using the same
5 TAC 10, TAC 10 needs to know what number was dialed in order to perform the function on the call selected by the subscriber.

In step 86, TAC 10 identifies the features to apply to the incoming call. If the instructions are to block the call, then TAC 10 blocks the call in step 87. In the present example, it is assumed that the feature the subscriber wants to apply is a branch calling
10 feature where two telephone numbers are to be called by TAC 10.

In step 88, TAC 10 generates a ring back tone to the caller to indicate that a telephone is ringing.

In step 90, TAC 10 places a call to a first telephone number, which causes the called phone to ring (step 92). Parallel operations are performed for a second phone number in
15 steps 93 and 95.

In step 96, it is determined by TAC 10 whether the first phone has been answered using answer supervision signaling provided by SS7 (step 98).

In response to the answer supervision signaling, TAC 10 abandons the other call to the second telephone (step 100).

In step 102, TAC 10 completes the phone call by connecting the calling party to the
20 answered telephone. This process may be applied to other than telephones, such as computers or other types of communication equipment.

In step 96, if the call is not answered after the ring, it is determined whether the other telephone has been answered (step 104). If not, the two phones continue to ring.

If it is determined in step 104 that another telephone has been answered (i.e., the
25 answer supervision signal has been received by TAC 10), the call to the first telephone is abandoned (step 106).

The same operation is performed with respect to the second telephone call in steps 108-113.

Any number of telephone calls may be simultaneously placed by TAC 10 in response to a branch calling instruction.

In step 86, if the instructions programmed by the subscriber are to block the call, then TAC 10 blocks the call in step 87.

5 While particular embodiments of the present invention have been shown and described, it will be obvious to those skilled in the art that changes and modifications may be made without departing from this invention in its broader aspects and, therefore, the appended claims are to encompass within their scope all such changes and modifications that fall within the true spirit and scope of this invention.

CLAIMS

What is claimed is:

1. A method performed by a processing system comprising:
 - receiving a call from a calling party, using an end unit, to a subscriber;
 - placing two or more calls simultaneously to two or more associated end units designated by the subscriber;
 - detecting that the call has been answered at one of the end units; and
 - in response to the detecting, abandoning other calls to other end units and establishing a connection between the calling party's end unit and the answered end unit.

2. The method of Claim 1 wherein the processing system is connected within the public switched telephone network (PSTN).

3. The method of Claim 1 further comprising:
 - detecting first information about the source of the call;
 - associating the first information with a feature, selected by the subscriber, to be performed on the call, the feature being to forward the call to two or more end units; and
 - simultaneously placing the call to the two or more end units.

4. The method of Claim 1 wherein the two or more calls to the end units are any combination of local call, long distance call, and cellular call.

5. The method of Claim 1 wherein, when one of the calls to the end units is answered, an answer supervision signal is transmitted to the processing system, and the processing system terminates the other calls.

6. The method of Claim 5 wherein the answer supervision is pursuant to the SS7 signaling protocol.

7. The method of Claim 1 wherein the processing system is connected to a PSTN tandem switch within the PSTN, and wherein receiving a call from a calling party comprises:

receiving a first call through the tandem switch from the calling party intended for the subscriber after the calling party has entered a first telephone number, the first telephone number being the subscriber's public telephone number, said processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

8. The method of Claim 1 wherein the number of calls simultaneously placed by the processing system is two.

9. The method of Claim 1 wherein the number of calls simultaneously placed by the processing system is three.

10. A controller connected to a public switched telephone network (PSTN) comprising:

a processing system, the processing system programmed to perform the process comprising:

receiving a call from a calling party, using an end unit, to a subscriber;

placing two or more calls simultaneously to two or more associated end units designated by the subscriber;

detecting that the call has been answered at one of the end units; and

in response to the detecting, abandoning other calls to other end units and establishing a connection between the calling party's end unit and the answered end unit.

11. The controller of Claim 10 wherein the processing system is connected within the public switched telephone network (PSTN).

12. The controller of Claim 10 wherein the processing system is programmed to perform the process comprising:

detecting first information about the source of the call;

associating the first information with a feature, selected by the subscriber, to be performed on the call, the feature being to forward the call to two or more end units; and

simultaneously placing the call to the two or more end units.

13. The controller of Claim 10 wherein the two or more calls to the end units are any combination of local call, long distance call, and cellular call.

14. The controller of Claim 10 wherein, when one of the calls to the end units is answered, an answer supervision signal is transmitted to the processing system, and the processing system terminates the other calls.

15. The controller of Claim 10 wherein the processing system is connected to a PSTN tandem switch within the PSTN, and wherein receiving a call from a calling party comprises:

receiving a first call through the tandem switch from the calling party intended for the subscriber after the calling party has enter a first telephone number, the first telephone number being the subscriber's public telephone number, said processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

16. The controller of Claim 10 wherein the processing system is connected to the PSTN in the subscriber's local service area.

17. The controller of Claim 10 wherein the subscriber is a subscriber of residential telephone service.

BRANCH CALLING AND CALLER ID BASED
CALL ROUTING TELEPHONE FEATURES

5 ABSTRACT OF THE DISCLOSURE

A caller ID based call routing feature is described for blocked and non-blocked caller ID's. A processing system in the public switched telephone network (PSTN) receives first identifying information for identify the source of a telephone call and associates additional information stored in a memory with the first identifying information. The additional
10 information may be information about the calling party initially downloaded to the memory by a subscriber. Once retrieved from the memory by the processing system, the additional information may then be transmitted to the subscriber via the Internet for display on a monitor or to the subscriber's telephone for display on a telephone display. Another feature described is a branch calling feature where the subscriber may program a processing system
15 within the PSTN to forward an incoming call to two or more end units (e.g., telephones) simultaneously. If the call at an end unit is answered, answer supervision signaling is transmitted back to the processing system which then terminates all other calls. The processing system then connects the calling party to the subscriber. The branch calling may be made for any combination of local, long distance, and cellular telephone numbers.

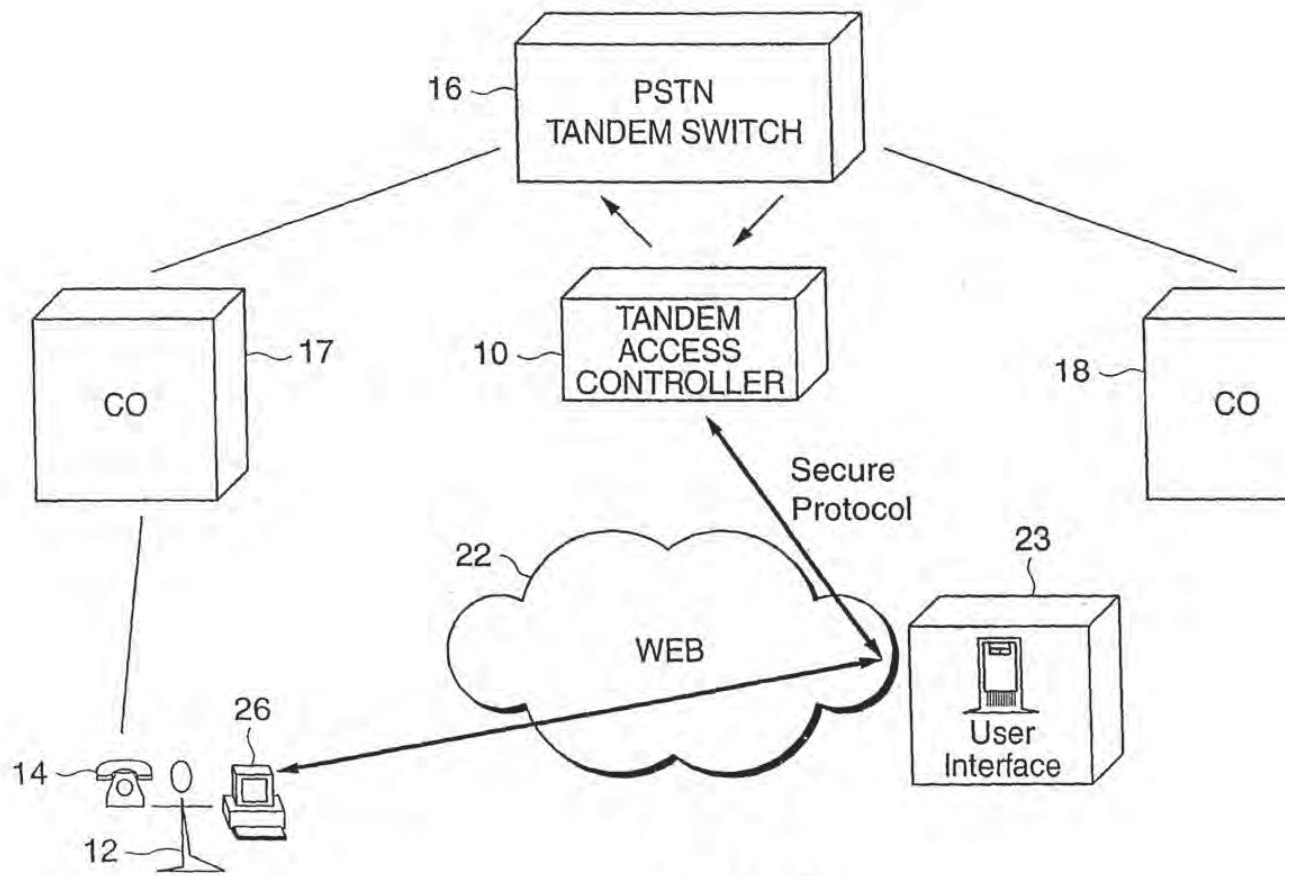


FIG. 1

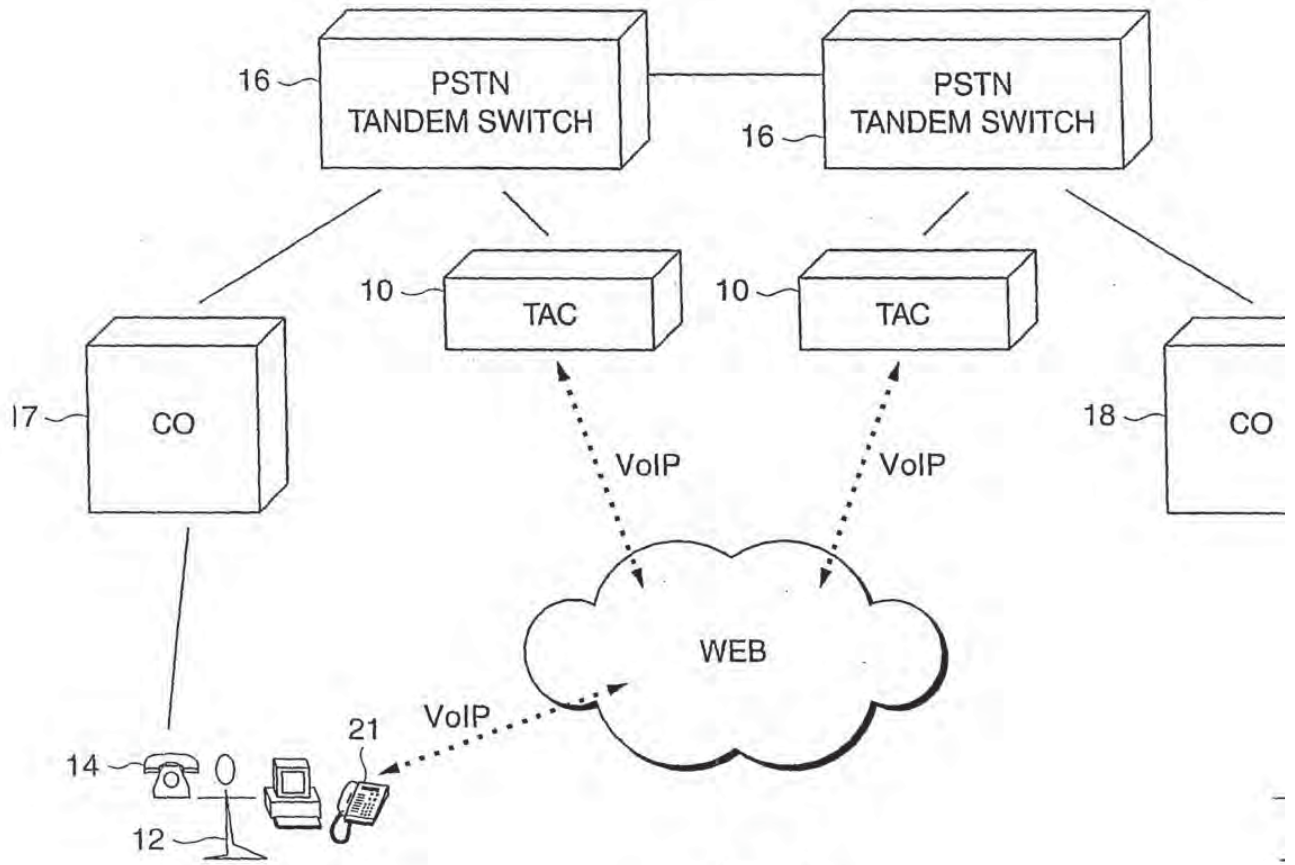
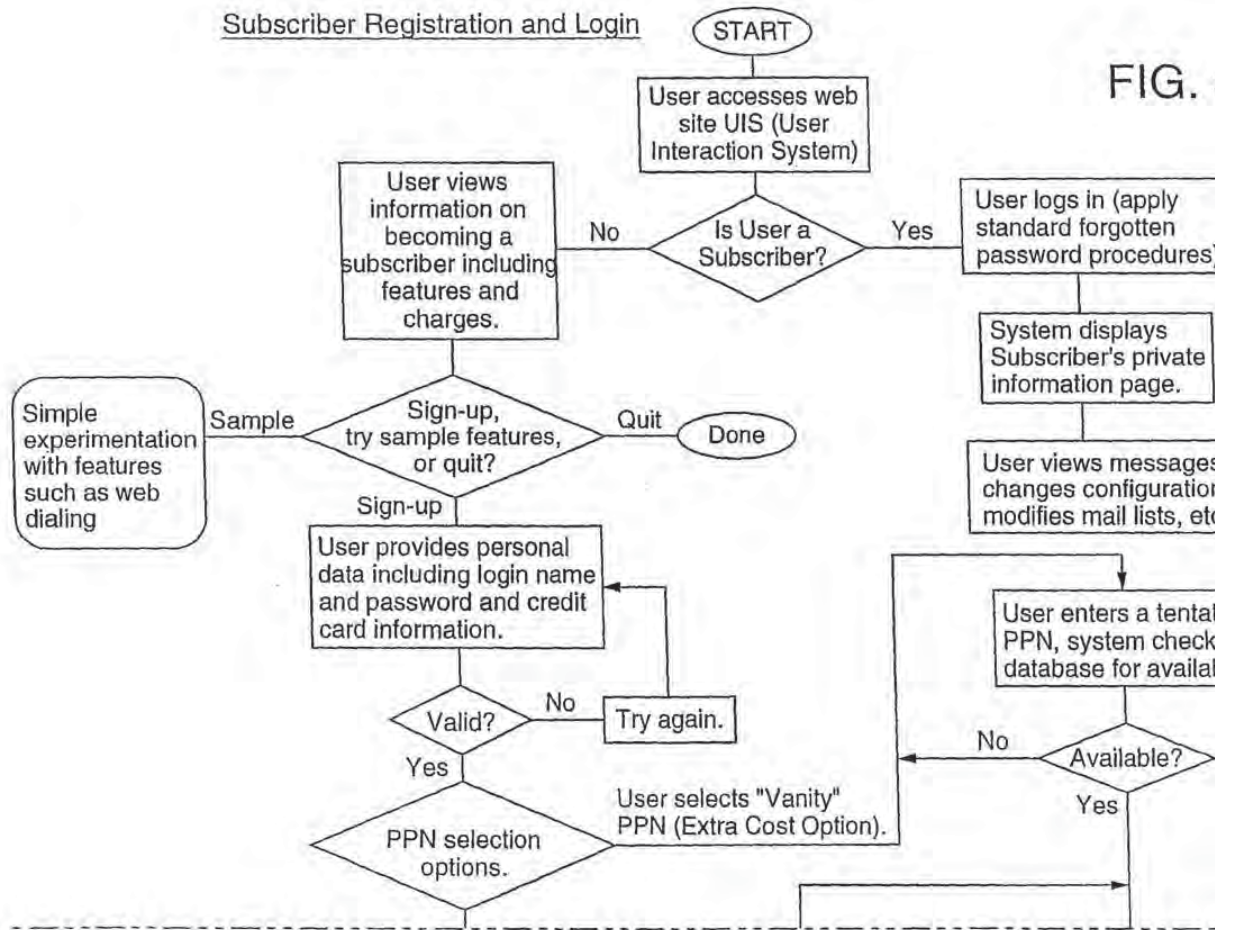


FIG. 2

Subscriber Registration and Login

FIG.



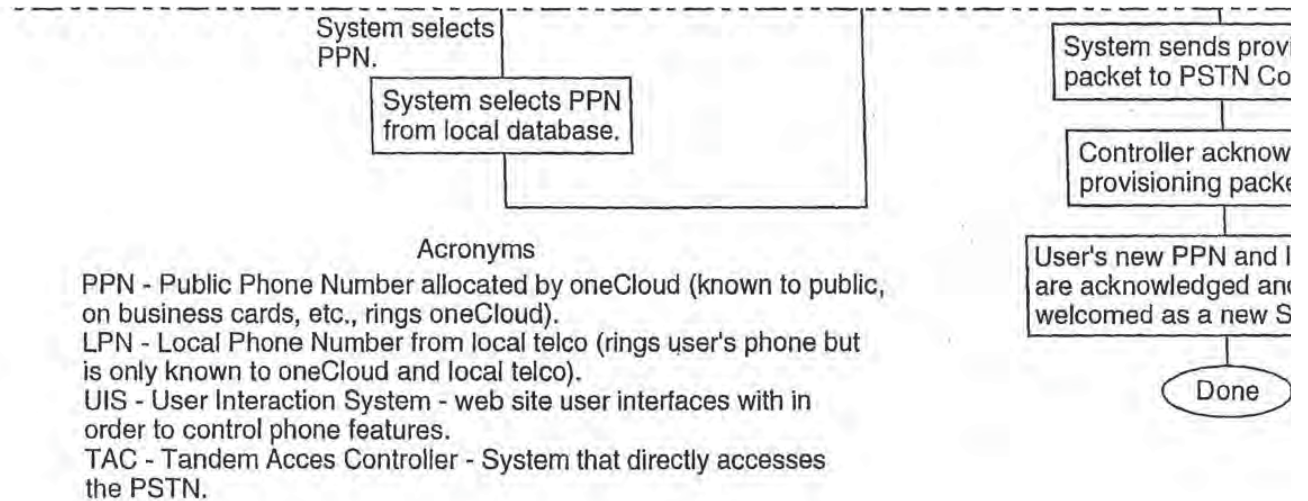
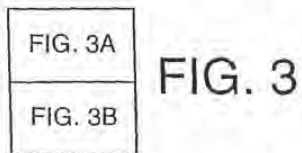
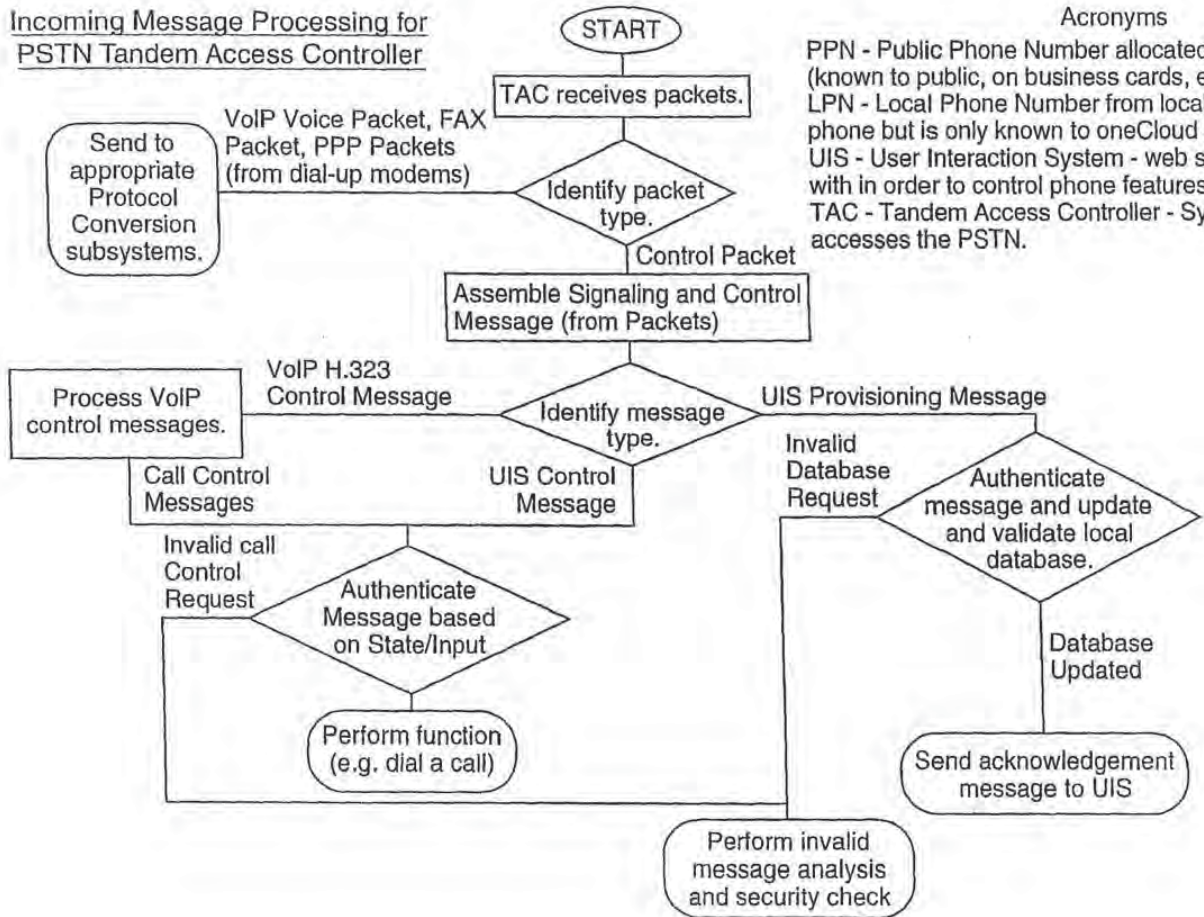


FIG. 3B



Incoming Message Processing for PSTN Tandem Access Controller



Acronyms

PPN - Public Phone Number allocated by or (known to public, on business cards, etc., or
 LPN - Local Phone Number from local telco phone but is only known to oneCloud and to
 UIS - User Interaction System - web site user with in order to control phone features.
 TAC - Tandem Access Controller - System accesses the PSTN.

Inbound Call (to Subscriber)

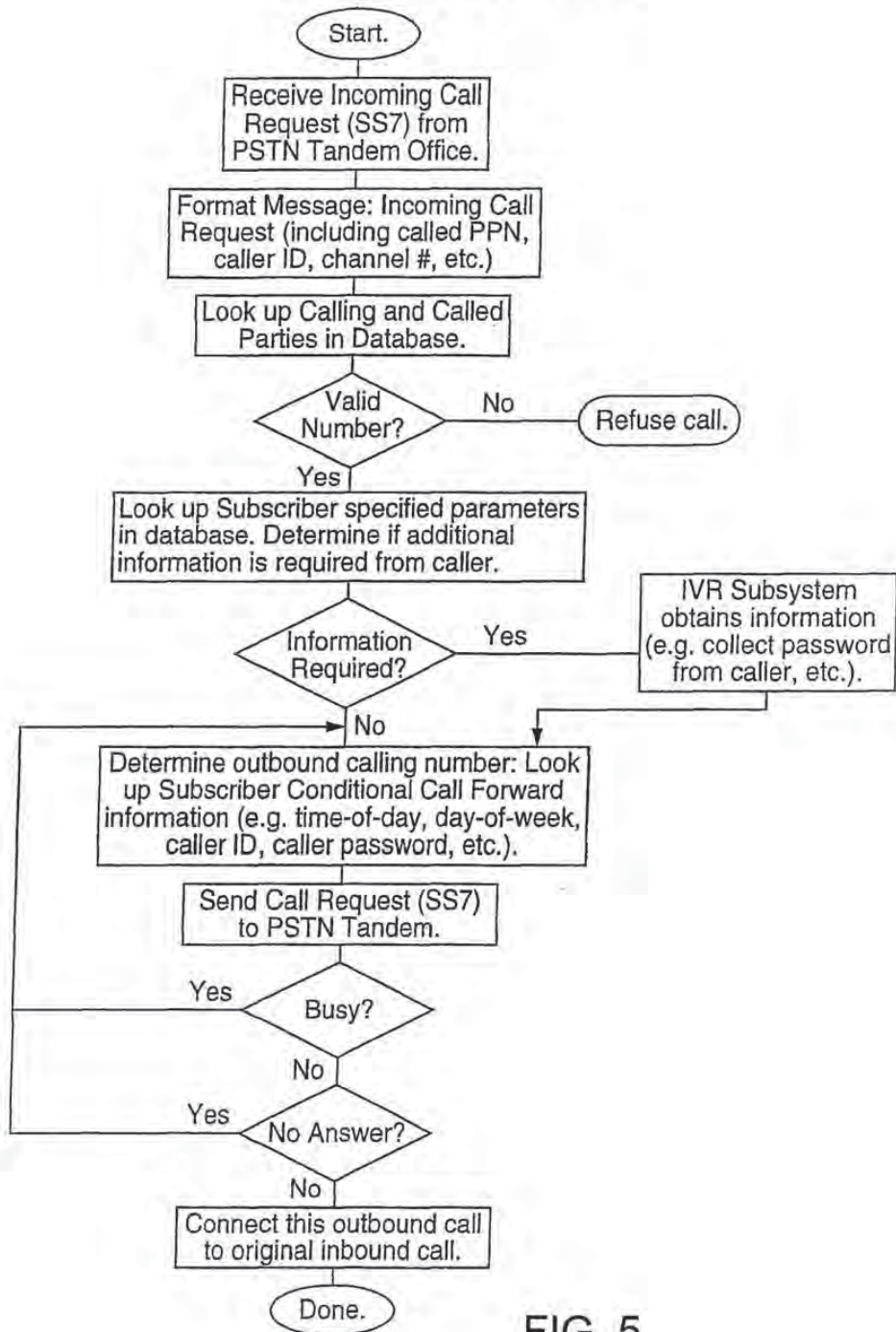


FIG. 5

Outbound Call (from Subscriber)

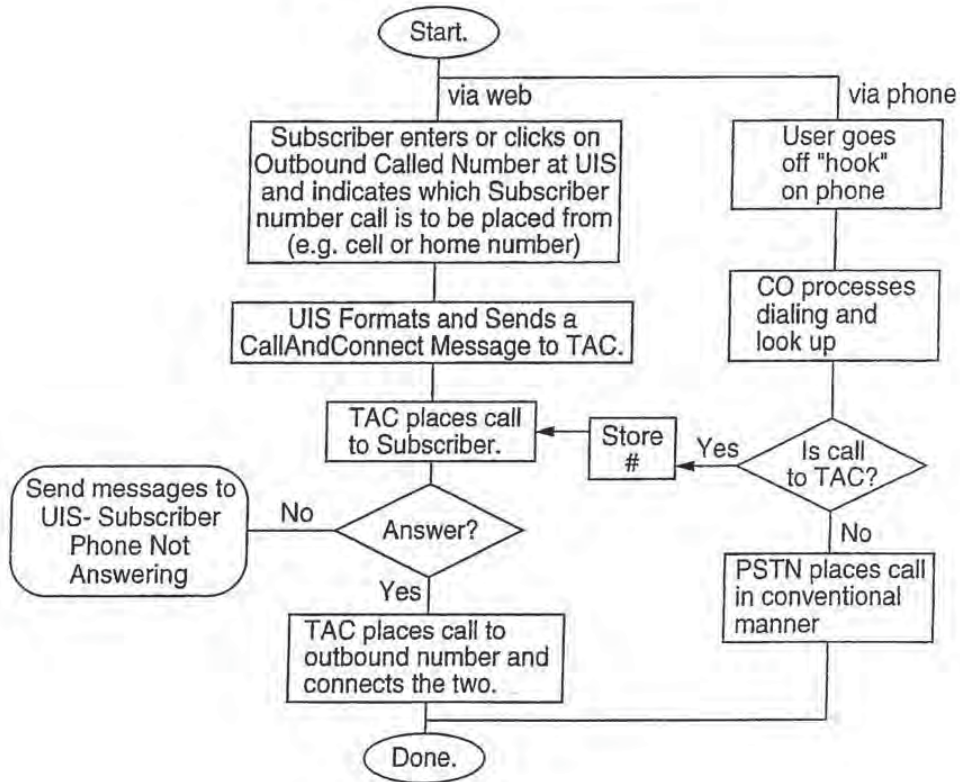


FIG. 6

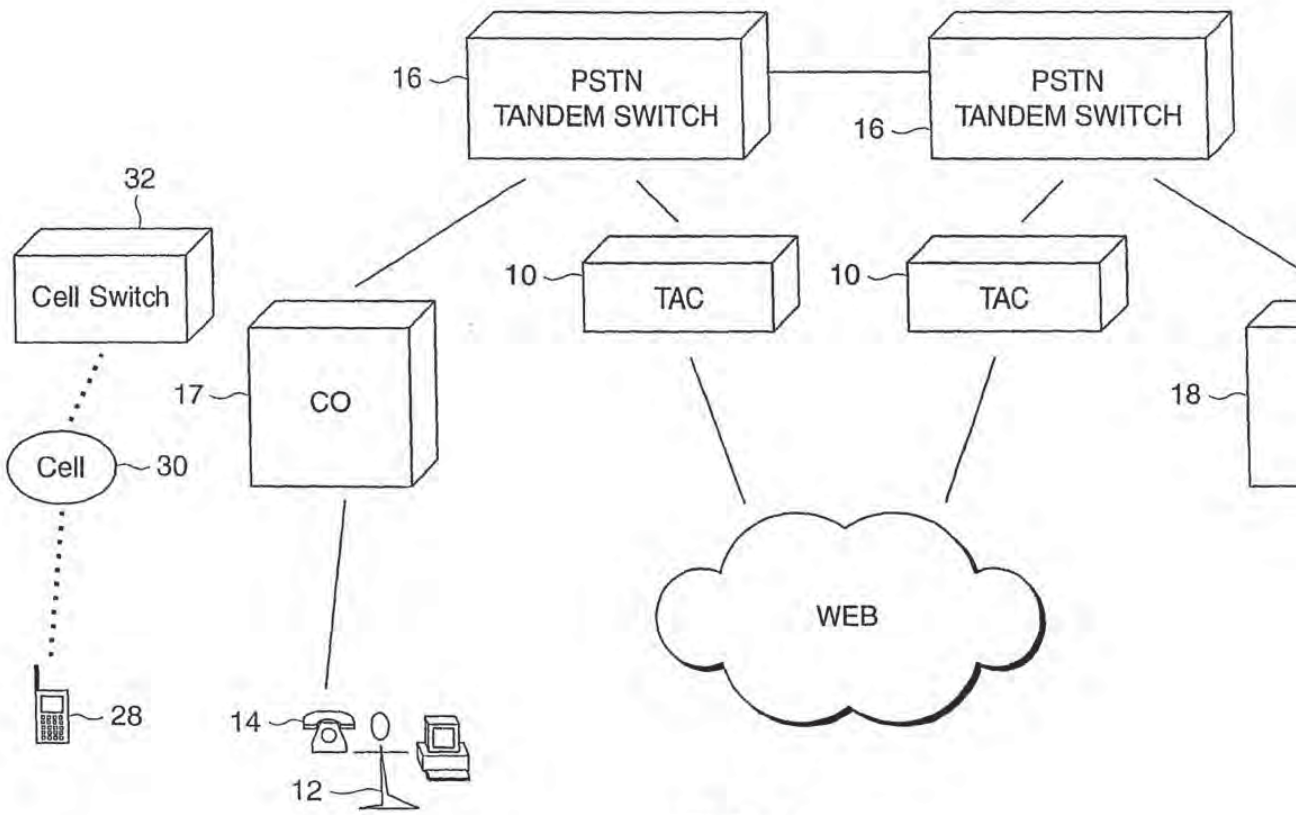


FIG. 7

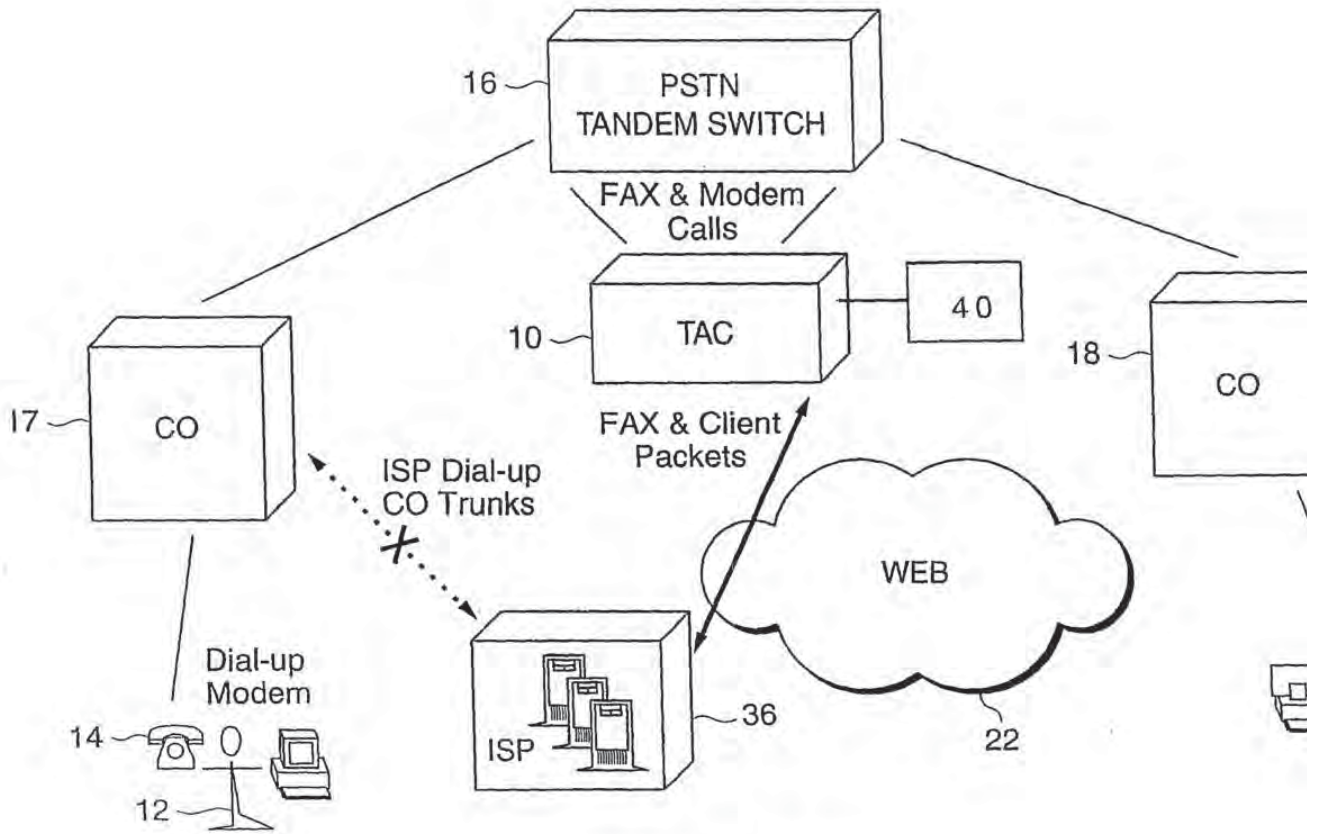


FIG. 8

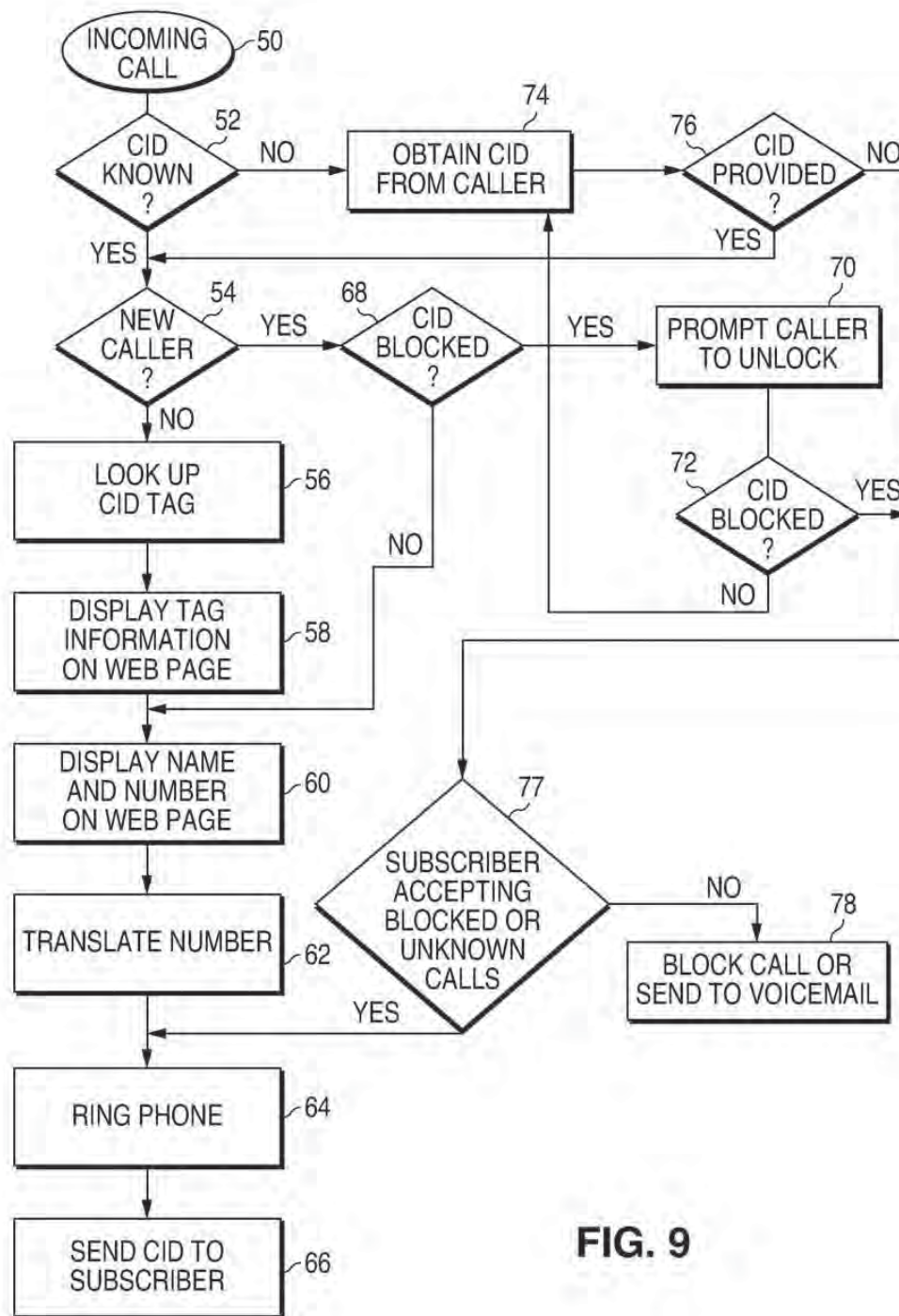


FIG. 9

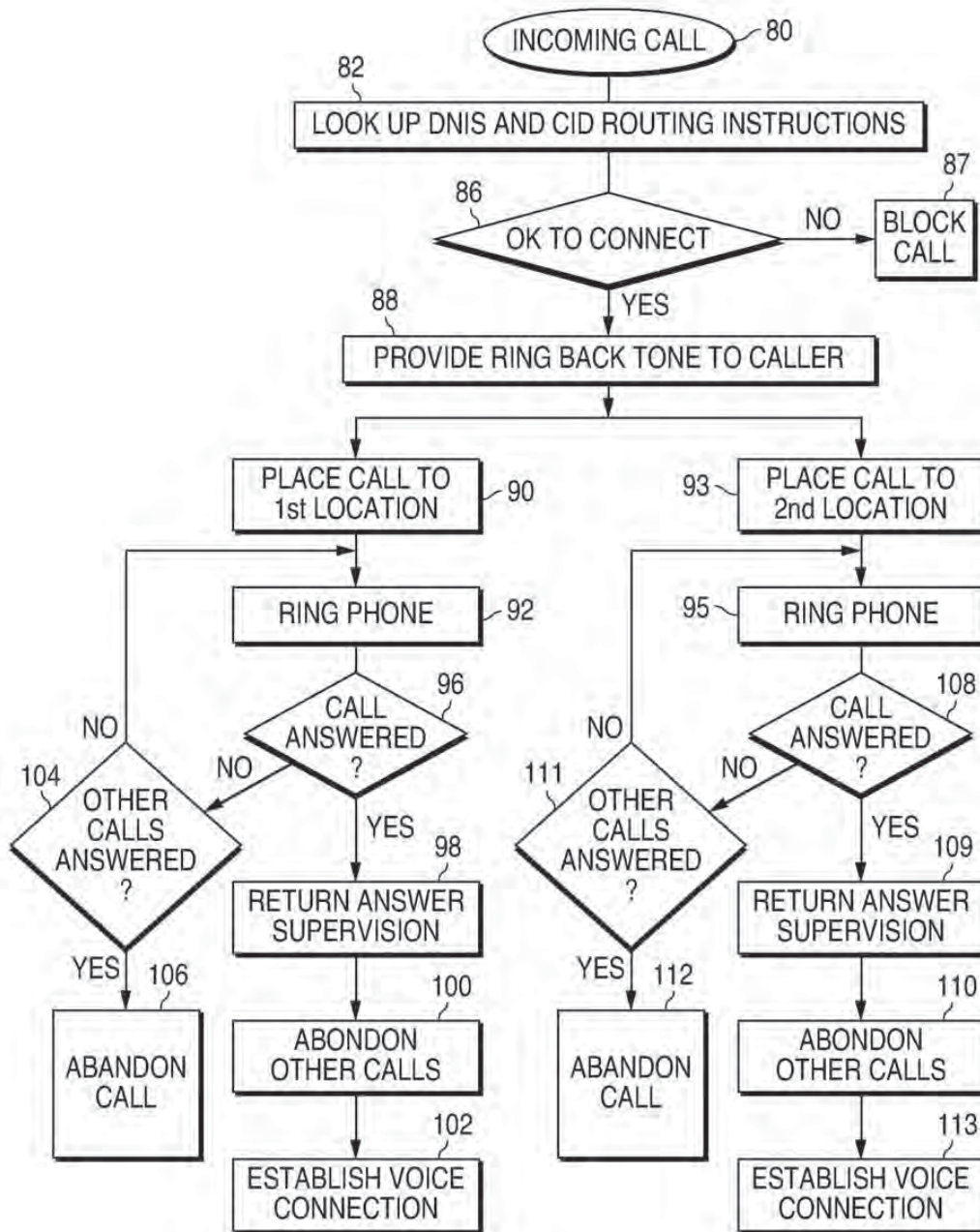


FIG. 10

**DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

**BRANCH CALLING AND CALLER ID BASED CALL ROUTING
TELEPHONE FEATURES**

which (check) is attached hereto.
 and is amended by the Preliminary Amendment attached hereto.
 was filed on April 30, 2003 as Application Serial No. 10/426,279
 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
N/A	

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
09/565,565	May 4, 2000	Now Patent 6,574,328

I hereby appoint the following practitioners to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Customer Number



32566

PATENT TRADEMARK OFFICE

Please address all correspondence and telephone calls to:

Brian D. Ogonowsky
 Patent Law Group LLP
 2635 North First Street, Suite 223
 San Jose, California 95134-2049
 Phone: (408) 382-0480
 Fax: (408) 382-0481

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Full name of first joint inventor: Samuel F. Wood

Inventor's Signature:

Date:

1-10-05

Residence:

Los Altos, California

Post Office Address:

12648 La Cresta Court
 Los Altos Hills, CA 94022

Citizenship:

USA

Full name of second joint inventor: Jerry A. Klein

Inventor's Signature: 

Date: 1-10-05

Residence: Los Altos, California

Post Office Address: 671 Milverton Road
Los Altos, CA 94022

Citizenship: USA

Full name of third joint inventor: Margaret Susan Asprey

Inventor's Signature: 

Date: 1/10/05

Residence: Los Altos, California

Post Office Address: 422 Traverso Court
Los Altos, CA 94022

Citizenship: USA

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		2007-11-30
	First Named Inventor	Samuel F. Wood	
	Art Unit	TBD	
	Examiner Name	Not yet assigned	
	Attorney Docket Number	TEL-M-8801-1P-1D	

U.S. PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5958016		1999-09-28	Chang et al.	
	2	5974449		1999-10-26	Chang et al.	
	3	59533392		1999-09-14	Rhie et al.	
	4	6012088		2000-01-04	Li et al.	
	5	6031836		2000-02-29	Haserodt	
	6	5566236		1996-10-15	MeLampy et al.	
	7	5982866		1999-11-09	Kowalski, Thaddeus Julius	
	8	6359892		2002-03-19	Szlam, Aleksander	

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Application Number		
Filing Date		2007-11-30
First Named Inventor	Samuel F. Wood	
Art Unit	TBD	
Examiner Name	Not yet assigned	
Attorney Docket Number	TEL-M-8801-1P-1D	

9	5878113		1999-03-02	Bhusri, Gurcharan S.	
10	6956941	B1	2005-10-18	Duncan et al.	
11	6788775	B1	2004-09-07	Simpson, Anita Hogans	
12	6697461	B1	2004-02-24	Middleswarth et al.	
13	6459780	B1	2002-10-01	Wurster et al.	
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	1	20030026403	A1	2007-11-30	Clapper, Edward O.	
	2	20030156693	A1	2003-08-21	Goldman, Philip Y.	
	3	20030133553	A1	2003-07-17	Khakoo et al.	

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Application Number		
Filing Date		2007-11-30
First Named Inventor	Samuel F. Wood	
Art Unit	TBD	
Examiner Name	Not yet assigned	
Attorney Docket Number	TEL-M-8801-1P-1D	

4	20030040325	A1	2003-02-27	Clark, David R.	
5	20030095650	A1	2003-05-22	Mize, Gary W.	
6	20040029568	A1	2004-02-12	DeLuca et al.	
7	20050141500	A1	2005-06-30	Bhandari et al.	
8	20050169445	A1	2005-08-04	Harris, Timothy M.	
9	20050041526	A1	2005-02-24	ESMERSOY et al.	
10	20050207557	A1	2005-09-22	Dolan et al.	
11	20030194078	A1	2003-10-16	Wood et al.	

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	1	0738093	EP		1996-10-16			<input type="checkbox"/>

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Application Number		
Filing Date		2007-11-30
First Named Inventor	Samuel F. Wood	
Art Unit	TBD	
Examiner Name	Not yet assigned	
Attorney Docket Number	TEL-M-8801-1P-1D	

	2	0898431	EP		1999-02-24			<input type="checkbox"/>
	3	0184859	WO	A2	2001-11-08	Telemaze, Inc.		<input type="checkbox"/>

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	ADC Telecommunications; SS7 New Net SS7 Tutorial; © Copyright 1999.	<input type="checkbox"/>
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Application Number		
Filing Date		2007-11-30
First Named Inventor	Samuel F. Wood	
Art Unit	TBD	
Examiner Name	Not yet assigned	
Attorney Docket Number	TEL-M-8801-1P-1D	

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

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

OR

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

See attached certification statement.

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

None

SIGNATURE

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

Signature	/Brian D Ogonowsky/	Date (YYYY-MM-DD)	2007-11-30
Name/Print	Brian D. Ogonowsky	Registration Number	31988

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Application Number:				
Filing Date:				
Title of Invention:		Branch Calling and Caller ID Based Call Routing Telephone Features		
First Named Inventor/Applicant Name:		Samuel F. Wood		
Filer:		Brian D. Ogonowsky/Edith Fuentes		
Attorney Docket Number:		TEL-M-8801-1P-1D		
Filed as Small Entity				
Utility Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	75	75
Utility Search Fee	2111	1	255	255
Utility Examination Fee	2311	1	105	105
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				435

Electronic Acknowledgement Receipt	
EFS ID:	2535329
Application Number:	11948965
International Application Number:	
Confirmation Number:	3783
Title of Invention:	Branch Calling and Caller ID Based Call Routing Telephone Features
First Named Inventor/Applicant Name:	Samuel F. Wood
Customer Number:	32566
Filer:	Brian D. Ogonowsky/Edith Fuentes
Filer Authorized By:	Brian D. Ogonowsky
Attorney Docket Number:	TEL-M-8801-1P-1D
Receipt Date:	30-NOV-2007
Filing Date:	
Time Stamp:	21:30:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

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Payment Type	Credit Card
Payment was successfully received in RAM	\$435
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1	Transmittal of New Application	TEL-M-8801-1P-1D_Divisional-App-Trans.pdf	292825 a97d40aaab2b17bf7409b0de5dc45110d37cd6a	no	1
Warnings:					
Information:					
2	Application Data Sheet	TEL-M-8801-1P-1D_ADS.pdf	762138 11ade7db45ee79b71d6f1c9de8b327b340589d9	no	4
Warnings:					
Information:					
3		TEL-M-8801-1P-1D_App.pdf	126429 a7618f5cfa63e4a9e10033d9481a2b2d3574fe8e	yes	26
Multipart Description/PDF files in .zip description					
Document Description		Start	End		
Specification		1	21		
Claims		22	25		
Abstract		26	26		
Warnings:					
Information:					
4	Drawings-only black and white line drawings	TEL-M-8801-1P-1D_Dwgs.pdf	241343 c9288b7a42bc4511830e1e97717209a9c454b1d5	no	11
Warnings:					
Information:					
5	Oath or Declaration filed	TEL-M-8801-1P-1D_Dec.pdf	262555 962405661559db58985b0eaq1f441066555aad47	no	3
Warnings:					
Information:					
6	Information Disclosure Statement (IDS) Filed	TEL-M-8801-1P-1D_IDS.pdf	735418 5d8513ea178615c5029a25e753ef56de32ac31e5	no	5
Warnings:					
Information:					
7	Fee Worksheet (PTO-06)	fee-info.pdf	8391 749a6651e0c5bf2915938c688eeca3a8f215d8ec2	no	2
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If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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Filing Date: 11/30/07

Approved for use through 7/31/2006. OMB 0651-0032
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875					Application or Docket Number 11/948,965									
APPLICATION AS FILED – PART I														
(Column 1)			(Column 2)		SMALL ENTITY		OR		OTHER THAN SMALL ENTITY					
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)			RATE (\$)	FEE (\$)				
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	75	N/A				N/A					
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	255	N/A				N/A					
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	105	N/A				N/A					
TOTAL CLAIMS (37 CFR 1.16(i))	17	minus 20 =	0	X\$ 25	0	X\$50			X\$210					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 =	0	X\$105	0									
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).													
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))														
* If the difference in column 1 is less than zero, enter "0" in column 2.														
APPLICATION AS AMENDED – PART II														
(Column 1)			(Column 2)		(Column 3)		SMALL ENTITY		OR		OTHER THAN SMALL ENTITY			
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)			RATE (\$)	ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(i))	Minus **	=	X =		X =				X =				
	Independent (37 CFR 1.16(h))	Minus ***	=	X =		X =				X =				
	Application Size Fee (37 CFR 1.16(s))													
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))													
TOTAL ADD'T FEE											435			0
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)			RATE (\$)	ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(i))	Minus **	=	X =		X =				X =				
	Independent (37 CFR 1.16(h))	Minus ***	=	X =		X =				X =				
	Application Size Fee (37 CFR 1.16(s))													
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))													
TOTAL ADD'T FEE														
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.														
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