AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Middle District of Florida - Jacksonville on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
3:15-cv-743-J-34JRK	6/19/2015	Middle District of Florida - Jacksonville

PLAINTIFF	DEFENDANT
Patent Asset Licensing, LLC	WIDEOPEN WEST FINANCE, LLC, AND KNOLOGY OF FLORIDA, INC.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	7,764,777 B2	7/27/2010	Wood et al.
2	8,155,298 B2	4/10/2012	Wood et al.
3	8,457,113 B2	6/4/2013	Wood et al.
4			
5			

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
Sheryl L. Loesch	Robin Hall	6/23/2015

Copy 1—Upon initiation of action, mail this copy to Director **Copy 3—Upon termination of action, mail this copy to Director**
Copy 2—Upon filing document adding patent(s), mail this copy to Director **Copy 4—Case file copy**

AO 120 (Rev. 08/10)

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☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
3:15-cv-747-J-32MCR	6/19/2015	Middle District of Florida, Jacksonville Division

PLAINTIFF	DEFENDANT
Patent Asset Licensing, LLC	T3 Communications, Inc

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 7,764,777 B2	7/27/2010	Patent Asset Licensing, LLC
2	US 8,155,298 B2	4/10/2012	Patent Asset Licensing, LLC
3	US 8,457,113 B2	6/4/2013	Patent Asset Licensing, LLC
4			
5			

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
SHERYL L. LOESCH		6/22/2015

Copy 1—Upon initiation of action, mail this copy to Director **Copy 3—Upon termination of action, mail this copy to Director**
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☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
3:15-cv-744-MMH-JBT	6/19/2015	Middle District of Florida - Jacksonville

PLAINTIFF	DEFENDANT
Patent Asset Licensing, LLC	YMAX Corporation

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	7,764,777	7/27/2010	Wood et al.
2	8,155,298	4/10/2012	Wood et al.
3	8,457,113	6/4/2013	Wood et al.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
Sheryl L. Loesch	Nicole Schaefer	6/22/2015

Copy 1—Upon initiation of action, mail this copy to Director **Copy 3—Upon termination of action, mail this copy to Director**
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☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
3:15-cv-743-J-34JRK	6/19/2015	Middle District of Florida - Jacksonville

PLAINTIFF	DEFENDANT
Patent Asset Licensing, LLC	WIDEOPEN WEST FINANCE, LLC, AND KNOLOGY OF FLORIDA, INC.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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2	8,155,298 B2	4/10/2012	Wood et al.
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CLERK	(BY) DEPUTY CLERK	DATE
Sheryl L. Loesch	Robin Hall	6/23/2015

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☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
3:15-cv-747-J-32MCR	6/19/2015	Middle District of Florida, Jacksonville Division

PLAINTIFF	DEFENDANT
Patent Asset Licensing, LLC	T3 Communications, Inc

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 7,764,777 B2	7/27/2010	Patent Asset Licensing, LLC
2	US 8,155,298 B2	4/10/2012	Patent Asset Licensing, LLC
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

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PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT		
CLERK SHERYL L. LOESCH	(BY) DEPUTY CLERK	DATE 6/22/2015

Copy 1—Upon initiation of action, mail this copy to Director **Copy 3—Upon termination of action, mail this copy to Director**
Copy 2—Upon filing document adding patent(s), mail this copy to Director **Copy 4—Case file copy**

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Marshall Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO. 2:15-cv-1108	DATE FILED 6/19/2015	U.S. DISTRICT COURT Eastern District of Texas, Marshall Division
PLAINTIFF Fellowship Filtering Technologies, LLC		DEFENDANT Salesforce.com, Inc.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	5,884,282	5/16/1999	Fellowship Filtering Technologies, LLC
2			
3			
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT		
CLERK	(BY) DEPUTY CLERK	DATE

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Copy 2—Upon filing document adding patent(s), mail this copy to Director **Copy 4—Case file copy**

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Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Central District of California on the following

☒ Trademarks or ☐ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
2:15-cv-03181 DDP (ASx)	April 29, 2015	Central District of California
PLAINTIFF American Bullion, Inc., Swiss America Trading Corp., and Lear Capital, Inc.		DEFENDANT Hernan Slodowicz, et al.

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 3696663	10/13/2009	Lear Capital, Inc.
2		
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT		
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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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/821,119	06/22/2010	Samuel F. Wood	357323-990126

CONFIRMATION NO. 3386

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

POWER OF ATTORNEY NOTICE

OC000000070958920

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).

/ytbedada/

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

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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/821,119	06/22/2010	Samuel F. Wood	002964.P076

CONFIRMATION NO. 3386

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

POA ACCEPTANCE LETTER

OC000000070958964

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.

/ytbedada/

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

PTO/SB/81A (12-08)
Approved for use through 11/30/2011 OMB 0651-0035
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Patent Number	8,457,113
Issue Date	June 4, 2013
First Named Inventor	Samuel F. Wood
Title	Branch Calling and Caller ID Based Call Routing Telephone Features
Attorney Docket Number	002964.P076

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/96) submitted herewith or filed on _____.

SIGNATURE of Inventor or Patent Owner

Signature		Date	6/26/2014
Name	Jeff Adelman	Telephone	(323) 860-9200
Title and Company	Manager, Focal IP, LLC		

NOTE: Signatures of all the inventors or patent owners of the entire interest or their representative(s) 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 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.

PTO/SB/96 (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Focal IP, LLC

Application No./Patent No.: 8,457,113 Filed/Issue Date: June 4, 2013

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. [X] 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. [X] 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.

[X] 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

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 Sates Patent and Trademark Office at

Reel 032350, Frame 0509

Electronic Acknowledgement Receipt

EFS ID:	20193794
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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:	357323-990126
Receipt Date:	19-SEP-2014
Filing Date:	22-JUN-2010
Time Stamp:	16:38:15
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	2964P076_PatentPOA_RevChange_09_19_14.pdf	47078 6ff34f566239cf49915354b7cb8cf26baa7e1694	no	1

Warnings:	
Information:	

2	Assignee showing of ownership per 37 CFR 3.73.	2964P076_State37CFR373b_09_19_14.pdf	73290 7613d33ae4970719381448981436942351fb80146	no	2

Warnings:	
Information:	
Total Files Size (in bytes):	120368

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
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/821,119	06/22/2010	Samuel F. Wood	357323-990126

CONFIRMATION NO. 3386

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

MISCELLANEOUS NOTICE

OC00000070637465

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

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 DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/821,119	06/22/2010	Samuel F. Wood	357323-990126

CONFIRMATION NO. 3386

OC000000070637465

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(c) 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.
- ☐ Only one Customer Number can be designated for the Power of Attorney in an application. The Customer Number that was captured is the first Customer Number provided on the Power of Attorney document.
- ☐ A request under 37 CFR 1.48 to add an inventor was granted in this application, however, no power of attorney consistent with the power of attorney granted by the originally named inventive entity has been

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

received. Thus, the addition of the inventor has resulted in the loss of power of attorney in the application. See 37 CFR 1.32(e).

- ☐ The power of attorney has not been accepted because the party who is giving power of attorney has not been identified. Power of attorney may only be signed by the applicant for patent (37 CFR 1.42) or the patent owner. A patent owner who was not the applicant must appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. See 37 CFR 1.32(b)(4).

- ☐ The power of attorney from the inventors has not been accepted because it is a copy from a prior national application for which benefit is claimed and the continuing application names an inventor who was not named as an inventor in the prior application.

- ☐ The power of attorney from the inventors has not been accepted because the power of attorney must be signed by the applicant for patent. See 37 CFR 1.32(b)(4).

- ☐ Any request to correct or update the name of the applicant must include an application data sheet (ADS) in compliance with 37 CFR 1.76 specifying the correct or updated name of the applicant in the applicant information section. Any request to change the applicant after an original applicant has been specified under 37 CFR 1.46(b) must include a new ADS in compliance with 37 CFR 1.76 specifying the applicant in the applicant information section and comply with 37 CFR 3.71 and 3.73. See 37 CFR 1.46(c).

Any inquiries regarding this notice should be directed to the Application Assistance Unit at 571-272-4200.

Stephens

Application Assistance Unit
571-272-4200

PTO/SB/81A (12-08)
Approved for use through 11/30/2011 OMB 0651-0035
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Patent Number	8,457,113
Issue Date	June 4, 2013
First Named Inventor	Samuel F. Wood
Title	Branch Calling and Caller ID Based Call Routing Telephone Features
Attorney Docket Number	002964.P076

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/96) submitted herewith or filed on _____.

SIGNATURE of Inventor or Patent Owner

Signature		Date	6/26/2014
Name	Jeff Adelman	Telephone	(323) 860-9200
Title and Company	Manager, Focal IP, LLC		

NOTE: Signatures of all the inventors or patent owners of the entire interest or their representative(s) 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 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.

Electronic Acknowledgement Receipt

EFS ID:	19958592
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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:	357323-990126
Receipt Date:	25-AUG-2014
Filing Date:	22-JUN-2010
Time Stamp:	17:16:46
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	2964P076_PatentPOA_RevChange_08_25_14.pdf	47071 1ac57d9e11c0359d58c7fdd2adf19eb2f5a6c6cf	no	1

Warnings:	
Information:	

Total Files Size (in bytes):	47071

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.

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. 8,457,113
Our Ref: 002964.P076

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
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.
12/821,119	06/04/2013	8457113	357323-990126	3386

26379 7590 05/15/2013

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

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 85 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, CA;
Jerry A. Klein, Los Altos, CA;
Margaret Susan Asprey, Los Altos, CA;

IFW 14

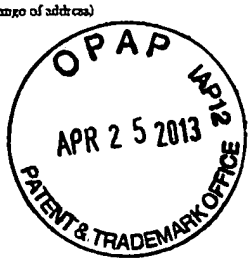
PART B - FEE(S) TRANSMITTAL

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)

26379 7590 04/09/2013
DLA PIPER LLP (US)
2000 UNIVERSITY AVENUE
EAST PALO ALTO, CA 94303-2248



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.

Alan A. Limbach	(Depositor's name)
/Alan A. Limbach/	(Signature)
April 25, 2013	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

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

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$5	$0	$885	$5	07/09/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
SMITH, CREIGHTON H	2656	370-352000

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,
(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.
1 DLA Piper LLP (US)
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, CALIFORNIA

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 07-1896 (enclose an extra copy of this form).

04/26/2013 CNGUYEN3 00000045 071896 12821119
01 FC:2501 890.00 DA

Adjustment Date: 04/26/2013 CNGUYEN3
12/11/2012 INTEFSW 00002157 071896 12821119
01 FC:2501 885.00 CR
Adjustment date: 04/26/2013 CNGUYEN3
04/26/2013 INTEFSW 00000045 071896 12821119

PTOL-85 (Rev. 02/11)

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29 — NOTE: Absent a valid certification of Micro Entity Status (see form PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
- ☐ Applicant asserting small entity status. See 37 CFR 1.27 — NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
- ☐ Applicant changing to regular undiscounted fee status. — NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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 April 25, 2013

Typed or printed name Alan A. Limbach Registration No. 39,749

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.

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PTO/SB/17 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAL

Complete if known	
Application Number	12/821,119
Filing Date	June 22, 2010
First Named Inventor	Samuel F. Wood
Examiner Name	Creighton H. Smith
Art Unit	2656
Practitioner Docket No.	357323-990126

☒ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29. Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

TOTAL AMOUNT OF PAYMENT ($) 5.00

METHOD OF PAYMENT (check all that apply)

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

☒ Deposit Account Deposit Account Number: 07-1896 Deposit Account Name: DLA Piper LLP (US)

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 underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayment of fee(s)

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 (U = undiscounted fee; S = small entity fee; M = micro entity fee)

	FILING FEES			SEARCH FEES			EXAMINATION FEES			
Application Type	U ($)	S ($)	M ($)	U ($)	S ($)	M ($)	U ($)	S ($)	M ($)	Fees Paid ($)
Utility	280	140*	70	600	300	150	720	360	180	
Design	180	90	45	120	60	30	460	230	115	
Plant	180	90	45	380	190	95	580	290	145	
Reissue	280	140	70	600	300	150	2,160	1,080	540	
Provisional	260	130	65	0	0	0	0	0	0	

* The $140 small entity status filing fee for a utility application is further reduced to $70 for a small entity status applicant who files the application via EFS-Web.

2. EXCESS CLAIM FEES

Fee Description	Undiscounted Fee ($)	Small Entity Fee ($)	Micro Entity Fee ($)
Each claim over 20 (including Reissues)	80	40	20
Each independent claim over 3 (including Reissues)	420	210	105
Multiple dependent claims	780	390	195

Total Claims		Extra Claims		Fee ($)		Fee Paid ($)
_____	- 20 or HP =	_____	x	_____	=	_____

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

Indep. Claims		Extra Claims		Fee ($)		Fee Paid ($)
_____	-3 or HP =	_____	x	_____	=	_____

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

Multiple Dependent Claims	
Fee ($)	Fee Paid ($)
_____	_____

3. APPLICATION SIZE FEE

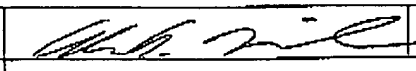
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is $400 ($200 for small entity) ($100 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

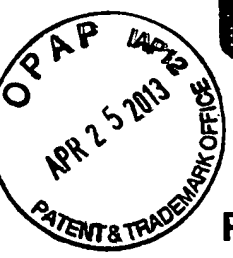
Total Sheets		Extra Sheets		Number of each additional 50 or fraction thereof		Fee ($)		Fee Paid ($)
_____	- 100 =	_____	/ 50 =	_____ (round up to a whole number)	x	_____	=	_____

4. OTHER FEE(S)

	Fees Paid ($)
Non-English specification, $130 fee (no small or micro entity discount)	
Non-electronic filing fee under 37 CFR 1.16(t) for a utility application, $400 fee ($200 small or micro entity)	
Other (e.g., late filing surcharge): Issue Fee ($890 less $885 previously paid)	5.00

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 39,749	Telephone 650-833-2433
Name (Print/Type)	Alan A. Limbach		Date April 25, 2013



DLA PIPER

DLA Piper LLP (US)
2000 University Avenue
East Palo Alto, California 94303-2248
O 650.833.2000
F 650.833.2001
W www.dlapiper.com

April 25, 2013

FAX TRANSMISSION COVER SHEET

To:	Telephone:	Fax Number:
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450		**571-273-2885**

From: Alan A. Limbach
Reg. No. 39,749
650-833-2433

Client-Matter Number: 357323-990126

Re: Submission of Issue Fee
U.S. Patent Application No. 12/821,119

Pages: - 6 - (including this form)

Originals: will not be mailed

U.S. Patent Application No. 12/821,119
Filed: June 22, 2010
Inventor: Samuel F. Wood
Title: Branch Calling and Caller ID Based Call Routing Telephone Features
Attorney Docket No.: 357323-990126

Attached are the following:

1. Issue Fee Transmittal PTOL-85b (2 pgs) (in duplicate) and
2. Fee Transmittal (1 pg)

Certificate of Transmission by Facsimile

I hereby certify that this correspondence is being transmitted by facsimile to Fax No. (571) 273-2885 to the US Patent and Trademark Office on April 25, 2013

Kathleen LaBrie

WEST\240918307.1

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)

36379 7590 04/09/2013
DLA PIPER LLP (US)
2000 UNIVERSITY AVENUE
EAST PALO ALTO, CA 94303-2248

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.

Alan A. Limbach	(Depositor's name)
/Alan A. Limbach/	(Signature)
April 25, 2013	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

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

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$5	$0	$885	$5	07/09/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
SMITH, CREIGHTON H	2656	370-352000

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,

(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.

1 DLA Piper LLP (US)
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, CALIFORNIA

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 07-1896 (enclose an extra copy of this form).

PTOL-85 (Rev. 02/11)

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29 — NOTE: Absent a valid certification of Micro Entity Status (see form PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

☐ Applicant asserting small entity status. See 37 CFR 1.27 — NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

☐ Applicant changing to regular undiscounted fee status. — NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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 April 25, 2013

Typed or printed name Alan A. Limbach Registration No. 39,749

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

26379 7590 04/09/2013

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

EXAMINER
SMITH, CREIGHTON H

ART UNIT	PAPER NUMBER
2656	

DATE MAILED: 04/09/2013

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

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

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$5	$0	$885	$5	07/09/2013

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 ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

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)

26379 7590 04/09/2013
DLA PIPER LLP (US)
2000 UNIVERSITY AVENUE
EAST PALO ALTO, CA 94303-2248

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)

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nonprovisional	SMALL	$5	$0	$885	$5	07/09/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
SMITH, CREIGHTON H	2656	370-352000

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,
(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.
1 _____
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)

❑ Applicant certifying micro entity status. See 37 CFR 1.29	NOTE: Absent a valid certification of Micro Entity Status (see form PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
❑ Applicant asserting small entity status. See 37 CFR 1.27	NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
❑ Applicant changing to regular undiscounted fee status.	NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

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26379 7590 04/09/2013

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

EXAMINER	
SMITH, CREIGHTON H	

ART UNIT	PAPER NUMBER
2656	

DATE MAILED: 04/09/2013

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 85 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 85 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.

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 12/821,119	Applicant(s) WOOD ET AL.	
	Examiner CREIGHTON SMITH	Art Unit 2656	

-- 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 *RCE filed on 19 DEC '12*.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are *1-182*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov .

4. ☐ 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.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

   ☐ 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)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/CREIGHTON SMITH/ Primary Examiner, Art Unit 2656	02 APR '13

Issue Classification

Application/Control No.	Applicant(s)/Patent Under Reexamination
12821119	WOOD ET AL.
Examiner	**Art Unit**
CREIGHTON SMITH	2614

ORIGINAL		INTERNATIONAL CLASSIFICATION	
CLASS	SUBCLASS	CLAIMED	NON-CLAIMED
370	352	H 0 4 L 12 / 66 (2006.01.01)	

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
379	220.01				

☒ 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
	129		153		177		19		43		67		91		115
	130		154		178		20		44		68		92		116
	131		155		179		21		45		69		93		117
	132		156		180		22		46		70		94		118
	133		157		181		23		47		71		95		119
	134		158		182		24		48		72		96		120
	135		159		1		25		49		73		97		121
	136		160		2		26		50		74		98		122
	137		161		3		27		51		75		99		123
	138		162		4		28		52		76		100		124
	139		163		5		29		53		77		101		125
	140		164		6		30		54		78		102		126
	141		165		7		31		55		79		103		127
	142		166		8		32		56		80		104		128
	143		167		9		33		57		81		105		
	144		168		10		34		58		82		106		

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 182	
/CREIGHTON SMITH/ Primary Examiner.Art Unit 2614 (Primary Examiner)	02 APR '13 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

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

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

	145		169		11		35		59		83		107		
	146		170		12		36		60		84		108		
	147		171		13		37		61		85		109		
	148		172		14		38		62		86		110		
	149		173		15		39		63		87		111		
	150		174		16		40		64		88		112		
	151		175		17		41		65		89		113		
	152		176		18		42		66		90		114		

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 182	
/CREIGHTON SMITH/ Primary Examiner.Art Unit 2614 (Primary Examiner)	02 APR '13 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	((@ad<="20030430") or (@rlad<="20030430")) and (forward$3 or redirect$3 or transfer$4) and controller same (second or other or another or different) near3 call with (voip or voice adj over adj internet adj protocol) and first near3 network and (second or other or another or different) near3 network	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2013/04/02 14:09

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	((@ad<="20030430") or (@rlad<="20030430")) and (forward$3 or redirect$3 or transfer$4) and controller with (second or other or another or different) near3 call with (voip or voice adj over adj internet adj protocol) with first near3 network with (second or other or another or different) near3 network.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2013/04/02 14:19

4/2/2013 2:19:53 PM
C:\Users\csmith1\Documents\EAST\Workspaces\12974648.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	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	12/13/2011	04/21/2012	09/11/2012	04/02/2013					
	129				=					
	130				=					
	131				=					
	132				=					
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	163				=					
	164				=					

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CLAIM		DATE								
Final	Original	12/13/2011	04/21/2012	09/11/2012	04/02/2013					
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	16	✓	=	=	=					
	17	✓	=	=	=					
	18	✓	=	=	=					

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CLAIM		DATE								
Final	Original	12/13/2011	04/21/2012	09/11/2012	04/02/2013					
	19	✓	=	=	=					
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	51	✓	=	=	=					
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	54	✓	=	=	=					

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CLAIM		DATE								
Final	Original	12/13/2011	04/21/2012	09/11/2012	04/02/2013					
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	65	✓	=	=	=					
	66	✓	=	=	=					
	67	✓	=	=	=					
	68	✓	=	=	=					
	69	✓	=	=	=					
	70	✓	=	=	=					
	71	✓	=	=	=					
	72	✓	=	=	=					
	73	✓	=	=	=					
	74	✓	=	=	=					
	75	✓	=	=	=					
	76	✓	=	=	=					
	77	✓	=	=	=					
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	79	✓	=	=	=					
	80	✓	=	=	=					
	81	✓	=	=	=					
	82	✓	=	=	=					
	83	✓	=	=	=					
	84	✓	=	=	=					
	85	✓	=	=	=					
	86	✓	=	=	=					
	87	✓	=	=	=					
	88	✓	=	=	=					
	89	✓	=	=	=					
	90	✓	=	=	=					

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	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	12/13/2011	04/21/2012	09/11/2012	04/02/2013					
	91	✓	=	=	=					
	92	✓	=	=	=					
	93	✓	=	=	=					
	94	✓	=	=	=					
	95	✓	=	=	=					
	96	✓	=	=	=					
	97	✓	=	=	=					
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	120	✓	=	=	=					
	121	✓	=	=	=					
	122	✓	=	=	=					
	123	✓	=	=	=					
	124		=	=	=					
	125		=	=	=					
	126		=	=	=					

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	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	12/13/2011	04/21/2012	09/11/2012	04/02/2013					
	127		=	=	=					
	128		=	=	=					

INFORMATION DISCLOSURE STATEMENT		
	Applicants:	WOOD, Samuel F. et al.
	Application No.	12/821,119
	Filed:	June 22, 2010
	For:	Branch Calling and Caller ID Based Call Routing Telephone Features
	Group Art Unit:	2656
	Examiner:	Smith, Creighton H
	Attorney Docket No.:	357323-990126

Commissioner of Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56(a) and 37 C.F.R. § 1.97, Applicant(s) hereby make of record the references listed on the accompanying Form PTO/SB/08 for consideration by the Examiner in connection with the examination of the above-identified patent application.

This Information Disclosure Statement:

(a)	☐	accompanies a new patent application submitted herewith.
(b)	☒	is filed within three (3) months of the Filing Date or before the mailing date of a First Office Action on the merits; OR
(c)	☐	after the period defined in (b) but before the mailing date of a Final Rejection or Notice of Allowance, OR
(d)	☐	is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned prior to the mailing date of either a final rejection or a notice of allowance, and is accompanied by either the fee ($180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below OR
(e)	☐	is filed after the mailing date of either a final rejection or a notice of allowance, and the issue fee has not been paid, and is accompanied by the requisite petition fee ($130) set forth in 37 CFR § 1.17(l)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

As required under § 1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

(f)	☐	Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
(g)	☐	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 this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

It is respectfully requested that the reference shown on the attached IDS Form be made of record in this application.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.S./

The Commissioner is authorized to charge any deficiencies and credit any overpayment of fees to our Deposit Account No. 07-1896.

Respectfully submitted,

Date: January 30, 2013

DLA PIPER US LLP

By: /Alan A. Limbach/
Alan A. Limbach (Reg. No. 39,749)
Attorneys for Applicant(s)
2000 University Avenue
East Palo Alto, CA 94303-2258
650-833-2433

☒ *Customer Number or Bar Code Label*

26379
(Insert Customer No. or Attach bar code label here)

I hereby certify that this correspondence is being transmitted via electronic submission addressed to: Commissioner of Patents & Trademarks, P.O. Box 1450, Alexandria, VA 22313-1450.

January 30, 2013	/Alan A. Limbach/
Date	*Alan A. Limbach*

Form PTO/SB/08 U.S. DEPT. OF COMMERCE Patent and Trademark Office **INFORMATION DISCLOSURE CITATION** (Use several sheets if necessary)	Attorney Docket Number: **357323-990126**	Application Number: **12/821,119**
	Applicants: WOOD, Samuel F. et al.	
	Filing date: 22 June 2010	Group art unit: 2656

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No. Publication No.	Date	Name	Class	Sub-class	Filing date if appropriate
	7,069,291	06-2006	Graves et al.			
	5,958,016	09-1999	Chang et al.			
	6,118,780	09-2000	Dunn et al.			
	7,272,115	09-2007	Maher et al.			
	5,596,579	01-1997	Yasrebi, Mehrad			
	6,785,229	08-2004	McNiff et al.			
	2004/0151294	08-2004	Baniak et al.			
	6,185,285	02-2001	Relyea et al.			

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Sub-class	Translation YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner: /Creighton Smith/	Date Considered: 04/02/2013
EXAMINER: Initial if citation 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 the applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.S./

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	2614

SEARCHED			
Class	Subclass	Date	Examiner
370	352	13 DEC '11	chs
379	220.01	21 APR '12	"

SEARCH NOTES		
Search Notes	Date	Examiner
EAST	13 DEC '11	chs
"	02 APR '13	chs

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
EAST		21 APR '12	chs
"		02 APR '13	"

INFORMATION DISCLOSURE STATEMENT		
	Applicants:	WOOD, Samuel F. et al.
	Application No.	12/821,119
	Filed:	June 22, 2010
	For:	Branch Calling and Caller ID Based Call Routing Telephone Features
	Group Art Unit:	2656
	Examiner:	Smith, Creighton H
	Attorney Docket No.:	357323-990126

Commissioner of Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56(a) and 37 C.F.R. § 1.97, Applicant(s) hereby make of record the references listed on the accompanying Form PTO/SB/08 for consideration by the Examiner in connection with the examination of the above-identified patent application.

This Information Disclosure Statement:

(a)	☐	accompanies a new patent application submitted herewith.
(b)	☒	is filed within three (3) months of the Filing Date or before the mailing date of a First Office Action on the merits; OR
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(d)	☐	is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned prior to the mailing date of either a final rejection or a notice of allowance, and is accompanied by either the fee ($180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below OR
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As required under § 1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

(f)	☐	Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
(g)	☐	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 this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

It is respectfully requested that the reference shown on the attached IDS Form be made of record in this application.

The Commissioner is authorized to charge any deficiencies and credit any overpayment of fees to our Deposit Account No. 07-1896.

Respectfully submitted,

Date: January 30, 2013

DLA PIPER US LLP

By: /Alan A. Limbach/
Alan A. Limbach (Reg. No. 39,749)
Attorneys for Applicant(s)
2000 University Avenue
East Palo Alto, CA 94303-2258
650-833-2433

☒ *Customer Number or Bar Code Label*

26379
(Insert Customer No. or Attach bar code label here)

I hereby certify that this correspondence is being transmitted via electronic submission addressed to: Commissioner of Patents & Trademarks, P.O. Box 1450, Alexandria, VA 22313-1450.

January 30, 2013 /Alan A. Limbach/
Date *Alan A. Limbach*

Form PTO/SB/08 U.S. DEPT. OF COMMERCE Patent and Trademark Office **INFORMATION DISCLOSURE CITATION** (Use several sheets if necessary)	Attorney Docket Number: **357323-990126**	Application Number: **12/821,119**
	Applicants: WOOD, Samuel F. et al.	
	Filing date: 22 June 2010	Group art unit: 2656

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No. Publication No.	Date	Name	Class	Sub-class	Filing date if appropriate
	7,069,291	06-2006	Graves et al.			
	5,958,016	09-1999	Chang et al.			
	6,118,780	09-2000	Dunn et al.			
	7,272,115	09-2007	Maher et al.			
	5,596,579	01-1997	Yasrebi, Mehrad			
	6,785,229	08-2004	McNiff et al.			
	2004/0151294	08-2004	Baniak et al.			
	6,185,285	02-2001	Relyea et al.			

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Sub-class	Translation YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner:	Date Considered:
EXAMINER: Initial if citation 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 the applicant.	

Electronic Acknowledgement Receipt

EFS ID:	14832764
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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:	Alan A. Limbach/Jason Lee
Filer Authorized By:	Alan A. Limbach
Attorney Docket Number:	357323-990126
Receipt Date:	30-JAN-2013
Filing Date:	22-JUN-2010
Time Stamp:	15:46:38
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	Information_Disclosure_Statement-TELEMAZE-990126.pdf	408167 fc16977a3573d1d99ab4fe87b498af924f89a1c4	no	3

Warnings:	
Information:	

This is not an USPTO supplied IDS fillable form	
Total Files Size (in bytes):	408167

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.

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

PATENT WITHDRAWAL NOTICE

DATE WITHDRAWN	WITHDRAWAL NUMBER
12/21/2012	21758

The following application has been **WITHDRAWN** from the

1/8/2013 issue.

SERIAL NO.	PATENT NUMBER
12/821,119	8,351,422
DRAWINGS	**CLASS**
1	370/352.000

TITLE

BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

NAME AND ADDRESS

WOOD, SAMUEL F. Et al
LOS ALTOS CALIFORNIA

REASON FOR WITHDRAWAL

Office of Petitions granted applicant's request to withdraw patent from issue.

APPROVED

/Kimberly Terrell/, Manager

Patent Publication Branch
Office of Data Management

FORM PTO-302 -- (REV. 05-2009)

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

Date : December 21, 2012

TO : Director, Office of Data Management

FROM : Office of Petitions

SUBJECT : Withdrawal from Issue of **Application No. 12/821,119**

Applicant(s) : Samuel F. Wood, et al.
Application No. : 12/821,119
Filed : June 22, 2010

The above-identified application has been assigned Patent No. 8,351,422 and an issue date of January 8, 2013.

It is hereby directed that this application be withdrawn from issue at the request of the applicant. Do not refund the issue fee.

The following erratum should be published in the Official Gazette if the above-identified application is published in the OG of January 8, 2013:

"All reference to Patent No. 8,351,422 to Samuel F. wood, et al. of California for BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES appearing in the Official Gazette of January 8, 2012 should be deleted since no patent was granted."

/Terri Johnson/
Terri Johnson
Petitions Examiner
Office of Petitions

cc: Paul Harrison
Mary Louise McAskill
Niomi Farmer
Mary E. Johnson (Cookie)
Brad Harris
Kim Terrell
Lamont Fletcher

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

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

In re Application of	:	
Samuel F. Wood, et al.	:	
Application No. 12/821,119	:	DECISION GRANTING PETITION
Filed: June 22, 2010	:	UNDER 37 CFR 1.313(c)(2)
Attorney Docket No. 357323-990126	:	

This is a decision on the petition under 37 CFR 1.313(c)(2), filed, December 19, 2012 to withdraw the above-identified application from issue after payment of the issue fee.

The petition is **GRANTED**.

The above-identified application is withdrawn from issue for consideration of a submission under 37 CFR 1.114 (request for continued examination). *See* 37 CFR 1.313(c)(2).

Petitioner is advised that the issue fee paid on December 10, 2012 cannot be refunded. If, however, this application is again allowed, petitioner may request that it be applied towards the issue fee required by the new Notice of Allowance.[1]

Telephone inquiries should be directed to Terri Johnson at (571) 272-2991.

This application is being referred to Technology Center AU 2656 for processing of the request for continued examination under 37 CFR 1.114 and for consideration of the concurrently filed amendment.

/Terri Johnson/
Terri Johnson
Petitions Examiner
Office of Petitions

[1] *The request to apply the issue fee to the new Notice may be satisfied by completing and returning the new Part B – Fee(s) Transmittal Form (along with any balance due at the time of submission). Petitioner is advised that the Issue Fee Transmittal Form must be completed and timely submitted to avoid abandonment of the application.*

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	12/821,119
Filing Date	June 22, 2010
First Named Inventor	Samuel F. WOOD
Art Unit	2614
Examiner Name	Creighton H. Smith
Attorney Docket Number	357323-990126

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 Petition to Withdraw Application From Issuance

2. Miscellaneous

   Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a

   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

   a. ☒ Deposit Account No. 07-1896 .

      i. ☒ RCE fee required under 37 CFR 1.17(e)

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

      iii ☒ Other Petition Fee

   b. ☐ Check in the amount of $ _____ enclosed

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

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	/Alan A. Limbach/	Date	December 19, 2012
Name (Print/Type)	Alan A. Limbach	Registration No.	39,749

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	/Alan A. Limbach/		
Name (Print/Type)	Alan A. Limbach	Date	December 19, 2012

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	**Customer No.:** 26379
Samuel F. WOOD, et al.	**Confirmation No.:** 3386
Serial No.: 12/821,119	**Group Art Unit:** 2614
Filed: June 22, 2010	**Examiner:** Creighton H. Smith
For: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES	**Docket No.**: 357323-990126

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

CERTIFICATE OF TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being transmitted via electronic submission, attention Mail Stop RCE, Commissioner for Patents, Alexandria, VA 22313-1450, on **December 19, 2012**.

DLA PIPER LLP (US)

By: /Alan A. Limbach/
Alan A. Limbach

AMENDMENT SUBMITTED WITH RCE AND PETITION TO WITHDRAW FROM ISSUE

Sir:

In conjunction with the RCE and Petition to Withdraw From Issue submitted concurrently herewith, please amend the above identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 29 of this paper.

Amendments to the Claims:

This listing of claims will replace 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 including one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one packet network and a second network coupled to a switching facility of a telecommunications network, the telecommunications network 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 for enabling voice communication from a calling party to a called party across both the packet network and the second network, the method comprising the steps of:

receiving call data which is associated with a call originated by the calling party via either the packet network or the second network, at the call processing system, the calling party using a communications device to originate the call for the purpose of initiating voice communication, the call processing system coupled to at least one switching facility of the telecommunications network via the second network, the call processing system processing the call across both the packet network and the second network to complete the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is completed, across both the packet network and the second network.

2. (Previously Presented) A method as defined in claim 1, wherein either the calling party or the called party is a subscriber of the web enabled processing system.

3. (Currently Amended) A method as defined in claim 2, further comprising the step of:

~~detecting first information about the source of the call;~~

associating the call data ~~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~~ initiating at least two calls to at least two communications devices.

4. (Previously Presented) A method as defined in claim 3, 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. (Previously Presented) A method as defined in claim 3, wherein when one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the call processing system, and the call processing system abandons the other calls.

6. (Original) A method as defined in claim 5, wherein the answer supervision is pursuant to the SS7 signaling protocol.

7. (Currently Amended) A method as defined in claim 2, wherein the call processing system is coupled to the switching facility, which is a PSTN tandem switch within the telecommunications network, which is a public switched telephone network (PSTN), and wherein receiving the call from a calling party comprises the steps of:

receiving call data which is associated with 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, the call processing system simultaneously ~~placing~~ initiating at least second and third calls using second and third telephone numbers different from the first telephone number.

8. (Previously Presented) A method as defined in claim 2, further comprising the step of:

identifying one or more control criteria associated with the subscriber, wherein the one or more control criteria had been previously provided to the web server, and completing the call in accordance with the control criteria associated with the subscriber and establishing the voice communication only in accordance with the control criteria.

9. (Previously Presented) A method as defined in claim 1, wherein the telecommunications network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

10. (Previously Presented) A method as defined in claim 1, wherein the communications device is a digital device.

11. (Previously Presented) A method as defined in claim 1, wherein the web enabled processing system is implemented using a distributed architecture spanning at least two locations.

12. (Previously Presented) A method as defined in claim 1, wherein the web enabled processing system utilizes a programmed processor utilizing the TDM architecture.

13. (Previously Presented) A method as defined in claim 1, wherein the web enabled processing system utilizes a programmed processor utilizing packet switching.

14. (Previously Presented) A method as defined in claim 1, wherein the web enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

15. (Currently Amended) A method as defined in claim 1, wherein the call originated by the calling party via the second network is facilitated ~~via a~~ using VoIP ~~connection~~.

16. (Currently Amended) A method as defined in claim 15, wherein the call is originated and completed ~~via a~~ using VOIP ~~connection~~, but has at least one leg through the second network.

17. (Previously Presented) A method as defined in claim 1, wherein the call processing system is located within a local service area corresponding to the specified recipient.

18. (Previously Presented) A method as defined in claim 1, wherein the call processing system is configured as a tandem access controller.

19. (Previously Presented) A method as defined in claim 18, wherein the tandem access controller is coupled to and operates in conjunction with at least one of the switching facilities located within the telecommunications network.

20. (Original) A method as defined in claim 1, wherein at least a portion of the call is completed over a wireless link.

21. (Previously Presented) A method as defined in claim 1, wherein the communications device is 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.

22. (Previously Presented) A method as defined in claim 1, wherein the telecommunications network comprises a network of switching facilities performing a class 4 switching function.

23. (Previously Presented) A method as defined in claim 1, wherein the telecommunications network comprises a network of class 4 switches.

24. (Previously Presented) A method as defined in claim 1, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system to perform one or more of the following operations:

a) Conditional Call Blocking/Forwarding

b) Interactive Voice Response and Speech Recognition;

c) Click-to-Dial Calling;

d) Web-Based Billing;

e) Retain Current Number (Local Number Portability);

f) Web Dialing;

g) Click-to-Dial from Web Pages.

25. (Previously Presented) A method as defined in claim 1, wherein the switching facility utilizes a TDM switching matrix.

26. (Previously Presented) A method as defined in claim 1, wherein the switching facility utilizes an ATM switching matrix.

27. (Previously Presented) A method as defined in claim 1, wherein the switching facility utilizes a crosspoint switching matrix.

28. (Previously Presented) A method as defined in claim 1, wherein the switching facility utilizes a VOIP switching matrix.

29. (Currently Amended) A method for routing calls from a calling party to a called party performed by a web-enabled processing system including one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one packet network and a circuit-switched network in a telecommunications network, the circuit-switched network 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 for enabling voice communication from the calling party to the called party across both the packet network and the circuit-switched network, the method comprising the steps of:

receiving call data which is associated with a call originated by the calling party via the packet network, at the call processing system, the calling party using a communications device to originate the call for the purpose of initiating the voice communication, the call processing system coupled to at least one switching facility of the circuit-switched network, the call processing system processing the call across at least

one packet network and the circuit-switched network to connect the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is connected, across both the packet network and the circuit-switched network.

30. (Original) A method as defined in claim 29, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

31. (Previously Presented) A method as defined in claim 30, wherein the web-enabled processing system is configured to perform enhanced routing operations, further comprising the steps of:

facilitating selection of at least one calling feature by the subscriber, the web-enabled processing system configured to perform the steps of:

upon receiving the call from the calling party, using the communications device to implement a calling feature previously designated by the subscriber via the web server;

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.

32. (Previously Presented) A method as defined in claim 30, wherein the subscriber is a subscriber of residential telephone service.

33. (Previously Presented) A method as defined in claim 30, wherein the subscriber is a subscriber of business telephone service.

34. (Previously Presented) A method as defined in claim 29, wherein the switching facility utilizes a TDM switching matrix.

35. (Previously Presented) A method as defined in claim 29, wherein the switching facility utilizes an ATM switching matrix.

36. (Previously Presented) A method as defined in claim 29, wherein the switching facility utilizes a crosspoint switching matrix.

37. (Previously Presented) A method as defined in claim 29, wherein the switching facility utilizes a VOIP switching matrix.

38. (Currently Amended) A method performed by a web-enabled processing system including one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a telecommunications network, the circuit-switched network 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 for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the method comprising the steps of:

receiving call data which is associated with a call originated by the calling party via the circuit-switched network, at the call processing system, the calling party using a communications device to originate the call for the purpose of initiating voice communication, the call processing system coupled to at least one switching facility of the circuit-switched network, the call processing system processing the call across the circuit-switched network and the packet network to complete the call to the called party; and

establishing the voice communication between the calling party and the called party after the call has been completed, across both the circuit-switched network and the packet network.

39. (Original) A method as defined in claim 38, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

40. (Currently Amended) A method as defined in claim 39, further comprising the step of:

~~detecting first information about the source of the call;~~

associating the call data ~~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~~ initiating at least two calls to at least two communications devices.

41. (Previously Presented) A method as defined in claim 40, wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

42. (Previously Presented) A method as defined in claim 40, wherein one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the processing system, and the processing system abandons the other calls.

43. (Original) A method as defined in claim 42, wherein the answer supervision signal is pursuant to the SS7 signaling protocol.

44. (Currently Amended) A method as defined in claim 39, wherein the call processing system is ~~connected~~ coupled to the switching facility, which is a PSTN tandem switch within the telecommunications network, which is a public switched telephone network (PSTN), and wherein receiving call data which is associated with a call from a calling party comprises the steps of:

receiving call data which is associated with 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~~ initiating at least second and third calls using second and third telephone numbers different from the first telephone number.

45. (Previously Presented) A method as defined in claim 39, further comprising the step of:

identifying one or more control criteria previously associated with the subscriber, wherein the one or more control criteria was entered via the web server, and completing the call in accordance with the control criteria associated with the subscriber and establishing the voice communication only in accordance with the control criteria.

46. (Previously Presented) A method as defined in claim 38, wherein the telecommunications network further comprises any one or more of a circuit-switched network, a packet-based network, and a wireless network.

47. (Previously Presented) A method as defined in claim 38, wherein the communications device is a digital device.

48. (Original) A method as defined in claim 38, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

49. (Original) A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

50. (Original) A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

51. (Original) A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

52. (Currently Amended) A method as defined in claim 38, wherein the call originated by the calling party via the packet network is facilitated ~~via a~~ using VoIP ~~connection~~.

53. (Currently Amended) A method as defined in claim 38, wherein the call is originated and completed ~~via a~~ using VOIP ~~connection~~, but has at least one leg through the circuit-switched network.

54. (Previously Presented) A method as defined in claim 38, wherein the call processing system is located within a local service area corresponding to the specified recipient.

55. (Previously Presented) A method as defined in claim 38, wherein the call processing system is designed to be configured as a tandem access controller.

56. (Previously Presented) A method as defined in claim 55, wherein the tandem access controller is designed to be coupled to and operate in conjunction with at least one of the switching facilities located within the communication network.

57. (Original) A method as defined in claim 38, wherein at least a portion of the call is completed over a wireless link.

58. (Previously Presented) A method as defined in claim 38, wherein the communications device is 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.

59. (Previously Presented) A method as defined in claim 38, wherein the telecommunications network comprises a network of switching facilities performing a class 4 switching function.

60. (Previously Presented) A method as defined in claim 38, wherein the telecommunications network comprises a network of class 4 switches.

61. (Previously Presented) A method as defined in claim 38, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system to perform one or more of the following operations:

a) Conditional Call Blocking/Forwarding/Alerting;

b) Interactive Voice Response and Speech Recognition;

c) Click-to-Dial Calling;

d) Group Calling and Messaging;

e) Web-Based Billing;

f) Retain Current Number (Local Number Portability);

g) Standard DTMF and VoIP Phones;

h) Web Dialing;

i) Click-to-Dial from Web Pages, Directories, Calendars.

62. (Previously Presented) A method as defined in claim 38, wherein the switching facility utilizes an ATM switching matrix.

63. (Previously Presented) A method as defined in claim 38, wherein the switching facility utilizes a crosspoint switching matrix.

64. (Previously Presented) A method as defined in claim 38, wherein the switching facility utilizes a VOIP switching matrix.

65. (Currently Amended) A communication network with an improved architecture comprising a web-enabled processing system including one or more web servers designed to be coupled to a call processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a telecommunications network, the circuit-switched network 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 communication network designed to enable voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the communication network comprising:

an interface capability within the web-enabled processing system for receiving call data which is associated with a call originated by the calling party via either the packet network or the circuit-switched network, the call originated by the calling party via a communications device for the purpose of initiating voice communication, the web-enabled processing system designed to be coupled to at least one switching facility of the circuit-switched network;

a call processing capability within the web-enabled processing system for processing the call across the packet network and the circuit-switched network to complete the call to the called party; and

a capability within the web-enabled processing system for establishing the voice communication between the calling party and the called party after the call is completed, across both the packet network and the circuit-switched network.

66. (Original) A communication network as defined in claim 65, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

67. (Currently Amended) A communication network as defined in claim 66, wherein the interface capability is designed to ~~detect first information about the source of the call and~~ associate the call data ~~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 communication~~s~~ devices; and wherein the interface capability is designed to simultaneously ~~place~~ initiate at least two calls to at least two communications devices.

68. (Previously Presented) A communication network as defined in claim 67, wherein the at least two calls to the communications devices can be any combination of local call, long distance call, cellular call, and VOIP call.

69. (Original) A communication network as defined in claim 67, 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 abandons the other calls.

70. (Original) A communication network as defined in claim 69, wherein the answer supervision signal is pursuant to the SS7 signaling protocol.

71. (Currently Amended) A communication network as defined in claim 65, wherein the call processing system is designed to be ~~connected~~ coupled to the switching facility, which is a PSTN tandem switch within the telecommunications network, and wherein the interface capability is designed to receive a call from the calling party by receiving call data which is associated with 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, and the call processing system is designed to simultaneously place at least second and third calls using second and third telephone numbers different from the first telephone number.

72. (Previously Presented) A communication network as defined in claim 71, wherein the subscriber's public telephone number can be selected via the web server.

73. (Previously Presented) A communication network as defined in claim 71, wherein the web-enabled processing system is designed to be configured to accept one or more control criteria previously associated with the subscriber, wherein the subscriber has the capability to request the one or more control criteria via the web server, and wherein the web-enabled processing system is designed to be configured to complete the call in accordance with the control criteria associated with the subscriber and to establish the voice communication only in accordance with the control criteria.

74. (Previously Presented) A communication network as defined in claim 65, wherein the telecommunications network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

75. (Previously Presented) A communication network as defined in claim 65, wherein the communications device is a digital device.

76. (Previously Presented) A communication network as defined in claim 65, wherein the web-enabled processing system is designed to be implemented using a distributed architecture spanning at least two locations.

77. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

78. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

79. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

80. (Currently Amended) A communication network as defined in claim 65, wherein the call originated by the calling party via the packet network is facilitated ~~via a~~ using VoIP ~~connection~~.

81. (Currently Amended) A communication network as defined in claim 80, wherein the call is originated and completed ~~via a~~ using VOIP ~~connection~~, but has at least one leg through the circuit-switched network.

82. (Previously Presented) A communication network as defined in claim 80, wherein the call processing system is designed to be located within a local service area corresponding to the specified recipient.

83. (Previously Presented) A communication network as defined in claim 80, wherein the call processing system is designed to be configured as a tandem access controller.

84. (Previously Presented) A communication network as defined in claim 83, wherein the tandem access controller is designed to be coupled to and to operate in conjunction with at least one of the switching facilities located within the telecommunications network.

85. (Previously Presented) A communication network as defined in claim 80, wherein at least a portion of the call is completed over a wireless link.

86. (Previously Presented) A communication network as defined in claim 80, wherein the communications device is 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.

87. (Previously Presented) A communication network as defined in claim 80, wherein the telecommunications network comprises a network of switching facilities performing a class 4 switching function.

88. (Previously Presented) A communication network as defined in claim 80, wherein the telecommunications network comprises a network of class 4 switches.

89. (Previously Presented) A communication network as defined in claim 80, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system to perform one or more of the following operations:

a) Conditional Call Blocking/Forwarding/Alerting;

b) Interactive Voice Response and Speech Recognition;

c) Click-to-Dial Calling;

d) Web-Based Billing;

e) Retain Current Number (Local Number Portability);

f) Standard DTMF and VoIP Phones;

g) Web Dialing;

h) Click-to-Dial from Web Pages, Directories.

90. (Previously Presented) A communication network as defined in claim 65, wherein the switching facility utilizes a TDM switching matrix.

91. (Previously Presented) A communication network as defined in claim 65, wherein the switching facility utilizes an ATM switching matrix.

92. (Previously Presented) A communication network as defined in claim 65, wherein the switching facility utilizes a crosspoint switching matrix.

93. (Previously Presented) A communication network as defined in claim 65, wherein the tandem switch utilizes a VOIP switching matrix.

94. (Currently Amended) A communication network comprising a web-enabled processing system including one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a telecommunications network, the circuit-switched network comprising edge switches for routing calls from and to subscribers within a local geographic area and tandem switches for routing calls to other edge switches or other tandem switches local or in other geographic areas, the communication network for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the communication network comprising:

an interface capability within the call processing system for receiving call data which is associated with a call originated by the calling party via either the circuit-switched network or the packet network, the call originated by the calling party via a communications device for the purpose of initiating voice communication, the call processing system coupled to at least one tandem switch of the circuit-switched network;

a call processing capability within the call processing system for processing the call across the circuit-switched network and at least one packet network to complete the call to the called party; and

a capability within the web-enabled processing system for establishing the voice communication between the calling party and the called party after the call is completed, across both the circuit-switched network and the at least one packet network.

95. (Original) A communication network as defined in claim 94, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

96. (Previously Presented) A communication network as defined in claim 95, wherein the subscriber's public telephone number is selected via the web server.

97. (Currently Amended) A communication network as defined in claim 95, wherein the interface capability ~~detects a first information about the source of the call and~~ associates ~~the first information~~ the call data 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 wherein the interface capability simultaneously ~~places~~ initiates at least two calls to at least two communications devices.

98. (Previously Presented) A communication network as defined in claim 97, wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

99. (Previously Presented) A communication network as defined in claim 97, 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 abandons the other calls.

100. (Previously Presented) A communication network as defined in claim 99, wherein the answer supervision is pursuant to the SS7 signaling protocol.

101. (Currently Amended) A communication network as defined in claim 95, wherein the call processing system is ~~connected~~ coupled to the tandem switch, which is a PSTN

tandem switch within the telecommunications network, which is a public switched telephone network (PSTN), and wherein the interface capability receives the ~~a~~ call data ~~from the calling party by 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, and the call processing system simultaneously ~~placing~~ initiating at least second and third calls using second and third telephone numbers different from the first telephone number.

102. (Previously Presented) A communication network as defined in claim 95, wherein the web-enabled processing system is configured to accept one or more control criteria previously associated with the subscriber, wherein the subscriber has the capability to request the one or more control criteria via the web server, and wherein the web-enabled processing system is configured to complete the call in accordance with the control criteria associated with the subscriber and to establish the voice communication only in accordance with the control criteria.

103. (Previously Presented) A communication network as defined in claim 94, wherein the telecommunications network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

104. (Previously Presented) A communication network as defined in claim 94, wherein the communications device is a digital device.

105. (Previously Presented) A communication network as defined in claim 94, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

106. (Previously Presented) A communication network as defined in claim 94, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

107. (Previously Presented) A communication network as defined in claim 94, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

108. (Previously Presented) A communication network as defined in claim 94, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

109. (Currently Amended) A communication network as defined in claim 94, wherein the call originated by the calling party via the packet network is facilitated ~~via a~~ using VoIP ~~connection~~.

110. (Currently Amended) A communication network as defined in claim 109, wherein the call is originated and completed ~~via a~~ using VOIP ~~connection~~, but has at least one leg through the circuit-switched network.

111. (Original) A communication network as defined in claim 109, wherein the web-enabled processing system is located within a local service area corresponding to the specified recipient.

112. (Original) A communication network as defined in claim 109, wherein the web-enabled processing system is configured as a tandem access controller.

113. (Previously Presented) A communication network as defined in claim 112, wherein the tandem access controller is coupled to and operates in conjunction with at least one of the tandem switches located within the telecommunications network .

114. (Previously Presented) A communication network as defined in claim 109, wherein at least a portion of the call is completed over a wireless link.

115. (Previously Presented) A communication network as defined in claim 109, wherein the communications device is 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.

116. (Currently Amended) A communication network as defined in claim 109, wherein the telecommunications network comprises a network of ~~switching facilities~~ tandem switches performing a class 4 switching function.

117. (Previously Presented) A communication network as defined in claim 109, wherein the telecommunications network comprises a network of class 4 switches.

118. (Previously Presented) A communication network as defined in claim 109, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system to perform one or more of the following operations:

a) Conditional Call Blocking/Forwarding/Alerting;
b) Interactive Voice Response and Speech Recognition;
c) Click-to-Dial Calling;
d) Web-Based Billing;
e) Retain Current Number (Local Number Portability);
f) Standard DTMF and VoIP Phones;
g) Web Dialing;
h) Click-to-Dial from Web Pages, Directories.

119. (Previously Presented) A communication network as defined in claim 94, wherein the tandem switch utilizes a TDM switching matrix.

120. (Previously Presented) A communication network as defined in claim 94, wherein the tandem switch utilizes an ATM switching matrix.

121. (Previously Presented) A communication network as defined in claim 94, wherein the tandem switch utilizes a crosspoint switching matrix.

122. (Previously Presented) A communication network as defined in claim 94, wherein the tandem switch utilizes a VOIP switching matrix.

123. (Previously Presented) A communication network as defined in claim 38, wherein the switching facility utilizes a TDM switching matrix.

124. (Previously Presented) A method as defined in claim 1 wherein the one or more web servers coupled to the call processing system are coupled through a data base.

125. (Previously Presented) A communication network as defined in claim 29 wherein the one or more web servers coupled to the call processing system are coupled through a data base.

126. (Previously Presented) A communication network as defined in claim 38 wherein the one or more web servers coupled to the call processing system are coupled through a data base.

127. (Previously Presented) A communication network as defined in claim 65 wherein the one or more web servers designed to be coupled to the call processing system are designed to be coupled through a data base.

128. (Previously Presented) A communication network as defined in claim 94 wherein the one or more web servers coupled to the call processing system are coupled through a data base.

129. (New) A method as defined in claim 1, wherein the call data includes a call request.

130. (New) A method as defined in claim 29, wherein the call data includes a call request.

131. (New) A method as defined in claim 38, wherein the call data includes a call request.

132. (New) A method as defined in claim 65, wherein the call data includes a call request.

133. (New) A method as defined in claim 94, wherein the call data includes a call request.

134. (New) A method as defined in claim 1, wherein the call data includes a telephone number.

135. (New) A method as defined in claim 29, wherein the call data includes a telephone number.

136. (New) A method as defined in claim 38, wherein the call data includes a telephone number.

137. (New) A method as defined in claim 65, wherein the call data includes a telephone number.

138. (New) A method as defined in claim 94, wherein the call data includes a telephone number.

139. (New) A method as defined in claim 1, wherein the call data includes an IP address.

140. (New) A method as defined in claim 29, wherein the call data includes an IP address.

141. (New) A method as defined in claim 65, wherein the call data includes an IP address.

142. (New) A method as defined in claim 94, wherein the call data includes an IP address.

143. (New) A method of providing an intelligent interconnection between a first communication network and a second communication network, comprising:

receiving at a controller call data which is associated with a first call via a first communication network;

accessing control criteria by the controller based upon the call data;

initiating a second call via a second communication network by the controller using the call data and the control criteria, wherein at least one of the first and the second communication networks is a voice over IP (VOIP) network; and

enabling communication between the first call and the second call by the controller.

144. (New) A method as defined in claim 143, wherein the call data includes a call request.

145. (New) A method as defined in claim 143, wherein the call data includes a telephone number.

146. (New) A method as defined in claim 143, wherein the call data includes an IP address.

147. (New) A method as defined in claim 143, wherein the call data includes a VOIP signaling message.

148. (New) A method as defined in claim 143, wherein the control criteria includes security measures.

149. (New) A method as defined in claim 143, wherein the control criteria includes a selection of a telephone number.

150. (New) A method as defined in claim 143, wherein the control criteria includes feature selection.

151. (New) A method as defined in claim 148, wherein the security measures include call logging.

152. (New) A method as defined in claim 148, wherein the security measures include web based billing.

153. (New) A method as defined in claim 148, wherein the security measures include the prevention of denial of service attacks.

154. (New) A method as defined in claim 148, wherein the security measures include authentication of the calling party.

155. (New) A method as defined in claim 148, wherein the security measures include no direct access to a gateway.

156. (New) A method as defined in claim 148, wherein the security measures include conditional call blocking.

157. (New) A method as defined in claim 143, wherein the control criteria is supplied via a packet interface.

158. (New) The method of claim 143, wherein the communication between the first call and the second call is routed through the controller.

159. (New) The method of claim 143, wherein the communication between the first call and the second call is enabled via an external device.

160. (New) The method of claim 143, wherein the controller comprises a distributed architecture spanning multiple discrete devices.

161. (New) The method of claim 143, where one of the first and the second communication networks is coupled to a switching facility of a network 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.

162. (New) The method of claim 143, wherein the second call is a call leg.

163. (New) A controller for use between a first communication network and a second communication network, the controller including circuitry and/or software for:

receiving call data which is associated with a first call via a first communication network;

accessing control criteria based upon the call data;

initiating a second call via the second communication network, using the call data and the control criteria, wherein at least one of the first and the second communication networks is a voice over IP (VOIP) network; and

enabling communication between the first call and the second call.

164. (New) The controller of claim 163, wherein one of the first and the second communication networks is the public switched telephone network (PSTN).

165. (New) The controller of claim 163, wherein the controller is configured to enable the communication between the first call and the second call by routing the communication through the controller.

166. (New) The controller of claim 163, wherein the controller is configured to enable the communication between the first call and the second call through an external device.

167. (New) The controller of claim 163, wherein the controller comprises a distributed architecture spanning multiple discrete devices.

168. (New) The controller of claim 163, wherein the control criteria includes security measures.

169. (New) The controller of claim 168, wherein the security measures include call logging.

170. (New) The controller of claim 168, wherein the security measures include web based billing.

171. (New) The controller of claim 168, wherein the security measures include the prevention of denial of service attacks.

172. (New) The controller of claim 168, wherein the security measures include authentication of the calling party.

173. (New) The controller of claim 168, wherein the security measures include no direct access to a gateway.

174. (New) The controller of claim 168, wherein the security measures include conditional call blocking.

175. (New) The controller of claim 168, wherein the control criteria is supplied via a packet interface.

176. (New) The controller of claim 163, wherein the call data includes a call request.

177. (New) The controller of claim 163, wherein the call data includes a telephone number.

178. (New) The controller of claim 163, wherein the call data includes an IP address.

179. (New) The controller of claim 163, wherein the call data includes a VOIP signaling message.

180. (New) The controller of claim 163, wherein the control criteria includes a selection of a telephone number.

181. (New) The controller of claim 163, wherein the control criteria includes feature selection.

182. (New) The controller of claim 163, wherein the second call is a call leg.

REMARKS/ARGUMENTS

Claims 1-182 are pending. Claims 1, 3, 7, 15-16, 29, 38, 40, 44, 52-53, 65, 67, 71, 80-81, 94, 97, 101, 109 and 116 have been amended, and claims 129-182 are newly added.

The claims have been amended, and claims newly added, to more particularly claim the Applicants' invention. No new matter has been added.

It is respectfully submitted that the claims are in an allowable form, and action to that end is respectfully requested.

Respectfully submitted,

DLA PIPER US LLP

Dated: December 19, 2012 By: /Alan A. Limbach/
Alan A. Limbach
Reg. No. 39,749

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Samuel F. WOOD, et al.

Serial No. 12/821,119 Group Art Unit: 2614

Filed: June 22, 2010 Examiner: Creighton H. Smith

Title: **BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES**

Certificate of Transmission

I hereby certify that this correspondence is being electronically transmitted to the USPTO via EFS to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on :
December 19, 2012 .

/Alan A. Limbach/
Alan A. Limbach

* * * *

PETITION UNDER 37 C.F.R. 1.313(c)(2) TO WITHDRAW APPLICATION FROM ISSUANCE

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant hereby petitions the Director under the provisions of 37 CFR § 1.313(c)(2) for withdrawal of the above patent application from issue after payment of the issue fee for consideration of a Request for Continued Examination (RCE) and Amendment. The issue fee in this application was timely paid on December 10, 2012.

Applicant is filing herewith a Request for Continued Examination, an Amendment Submitted With RCE and Petition Under 37 C.F.R. 1.313(c)(2) To Withdraw Application From Issuance.

With regard to these submissions, payment in the amount of $595.00 (including a petition fee ($130.00) under 37 CFR 1.17(h), and the RCE fee ($465.00) under 37 CFR 1.17(e)) are authorized to be charged to Deposit Account No. 07-1896. Additional papers may also be filed in relation hereto.

The Commissioner is authorized to charge any deficiencies in fees and credit any overpayment of fees to Deposit Account No. 07-1896.

Respectfully submitted,

DLA Piper US LLP

Dated: December 19, 2012

/Alan A. Limbach/

Alan A. Limbach
Registration No. 39,749
Attorney for Applicants

DLA Piper US LLP
2000 University Avenue
East Palo Alto, CA 94303-2214
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Facsimile No. 650-833-2001

Customer No. 26379

Electronic Patent Application Fee Transmittal

Application Number:	12821119
Filing Date:	22-Jun-2010
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
First Named Inventor/Applicant Name:	Samuel F. Wood
Filer:	Alan A. Limbach/Kathleen LaBrie
Attorney Docket Number:	357323-990126

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Petition fee- 37 CFR 1.17(h) (Group III)	1464	1	130	130
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for continued examination	2801	1	465	465
		Total in USD ($)		**595**

Electronic Acknowledgement Receipt

EFS ID:	14518765
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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:	Alan A. Limbach
Filer Authorized By:	
Attorney Docket Number:	357323-990126
Receipt Date:	19-DEC-2012
Filing Date:	22-JUN-2010
Time Stamp:	19:30:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$595
RAM confirmation Number	12780
Deposit Account	071896
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	RCE_Transmittal_filed_12-19-12_357323-990126.pdf	198511 e9315f14adabe5c63e30fcefb30130bf3e5e7157	no	1
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2	Amendment Submitted/Entered with Filing of CPA/RCE	Amendment_Submitted_With_RCE_357323-990126.pdf	175512 3223c01786c14267b98486147b8956c7f3bdabe9	no	29
Warnings:					
Information:					
3	Petition to Withdraw from Issue	Petition_To_Withdraw_From_Issuance_357323-990126.pdf	95680 9a65a95d4cbb465dc71b80b8dd7776e6785afa8b	no	2
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	32265 23eab34802adf34bdbe4c3d7e2375bad9aed9624	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	501968		

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

<u>New Applications Under 35 U.S.C. 111</u>
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
12/821,119	06/22/2010	

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY ☒ RATE ($)	SMALL ENTITY ☒ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT 12/19/2012	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 182	Minus	** 128	= 54	X $31 =	1674	OR	X $ =	
Independent (37 CFR 1.16(h))	* 7	Minus	***5	= 2	X $125 =	250	OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE	1924	OR	TOTAL ADD'L FEE	

AMENDMENT	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/VERNON TOWLER/

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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.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	01/08/2013	8351422	357323-990126	3386

26379 7590 12/18/2012

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

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 85 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, CA;
Jerry A. Klein, Los Altos, CA;
Margaret Susan Asprey, Los Altos, CA;

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1CON4	SERIAL NO. 12/821,119
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		2001/0022784A1	09-2001	Menon et al.	----------	----------	----------
		2001/0030950A1	10-2001	Chen et al.	----------	----------	----------
		2003/0026403A1	02-2003 ~~11-2007~~	Clapper	----------	----------	----------
		2003/0040325A1	02-2003	Clark	----------	----------	----------
		2003/0095650A1	05-2003	Mize	----------	----------	----------
		2003/0133553A1	07-2003	Khakoo et al.	----------	----------	----------
		2003/0156693A1	08-2003	Goldman	----------	----------	----------
		2003/0194078A1	10-2003	Wood et al.	----------	----------	----------
		2004/0029568A1	02-2004	DeLuca et al.	----------	----------	----------
		2004/0240657 A1	12-02-2004	Camarillo	379	221.02	----------
		2004/0264673 A1	12-30-2004	Novack	379	221.11	----------
		2005/0041526A1	02-2005	Esmersoy et al.	----------	----------	----------
		2005/0141500A1	06-2005	Bhandari et al.	----------	----------	----------
		2005/0169445A1	08-2005	Harris	----------	----------	----------
		2005/0207557A1	09-2005	Dolan et al.	----------	----------	----------
		4,100,377	07-1978	Flanagan	----------	----------	----------
		4,238,851	12-1980	Takahashi et al.	----------	----------	----------
		4,313,035	01-1982	Jordan et al.	----------	----------	----------
		4,348,554	09-1982	Asmuth	----------	----------	----------
		4,569,041	02-1986	Takeuchi et al.	----------	----------	----------
		4,608,685	08-1986	Jain et al.	----------	----------	----------
		4,611,094	09-1986	Asmuth et al.	----------	----------	----------

Change(s) applied to document, /L.S./ 6/21/2012

EXAMINER: /Creighton Smith/	DATE CONSIDERED: 12/08/2011

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.S./

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1CON4	SERIAL NO. 12/821,119
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		4,310,726	01-12-1982	Asmuth	179	18	02-04-1980
		5,673,262	09-30-1997	Shimizu	370	395	11-07-1995
		5,848,140	12-08-1998	Foladare et al.	379	201	12-29-1995
		5,991,310	11-23-1999 ~~07-09-1997~~	Katko	370	522	07-09-1997
Change(s) applied to document, /L.S./ 6/21/2012		2007/0041526	02-2007	Hill et al.	379	88.21	10-27-2006

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		
	1	Dowden, Douglas C., et al., "The Future of Network-Provided Communications Services," *Bell Labs Technical Journal*, July-September 2000, pp. 3-10
	2	Foard, C.F., "Teaming Switches and Computers for Customer Applications," *AT&T Technology*, 1991; 6, 4; Research Library, pp. 32-38
	3	Foster, Robin Harris, "Computer-Telephone Integration Goes Global," *AT&T Technology*, Autumn 1995; 10, 3; Research Library , pp. 18-22
	4	Kozik, Jack, et al., "On Opening PSTN to Enhanced Voice/Data Services – The PINT Protocol Solution," *Bell Labs Technical Journal*, July-September 2000, pp. 153-165
	5	Lui, Anthony Y., et al., "The Enhanced Service Manager: A Service Management System for Next-Generation Networks," *Bell Labs Technical Journal*, July-September 2000, pp. 130-144
	6	Reisfield, E.S., "Customers Take Control of the AT&T Network," *AT&T Technology*, 1991; 6, 1; Research Library, pp. 44-48
	7	Sijben, Paul G., et al, "Bridging the Gap to IP Telephony," *Bell Labs Technical Journal*, October-December 1998, pp. 192-207

EXAMINER: /Creighton Smith/	DATE CONSIDERED: 12/08/2011
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	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.S./

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1CON4	SERIAL NO. 12/821,119
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		6,731,630	05-2004	Shuster et al.	----------	----------	----------
		6,741,586	05-2004	Shuster et al.	----------	----------	----------
		6,744,759	06-2004	Sidhu	----------	----------	----------
		6,785,266	08-2004	Swartz	----------	----------	----------
		6,788,775	09-2004	Simpson	----------	----------	----------
		6,795,429	09-2004	Shuster et al.	----------	----------	----------
		6,804,224	10-2004	Shuster et al.	----------	----------	----------
		6,822,957	11-2004	Shuster et al.	----------	----------	----------
		6,853,714	02-2005	Liljestrand et al.	----------	----------	----------
		6,856,616	02-2005	Shuster et al.	----------	----------	----------
		6,857,021	02-2005	Schuster ~~Shuster~~ et al.	----------	----------	----------
		6,857,072	02-2005	Schuster ~~Shuster~~ et al.	----------	----------	----------
		6,870,830	03-2005	Shuster et al.	----------	----------	----------
		6,914,897	07-2005	Shuster et al.	----------	----------	----------
		6,937,699	08-2005	Shuster et al.	----------	----------	----------
		6,956,941	10-2005	Duncan et al.	----------	----------	----------
		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	----------
		H1641	04-1997	Sharman	----------	----------	----------

Change(s) applied to document, /L.S./ 6/26/2012

Change(s) applied to document, /L.S./ 6/22/2012

EXAMINER: /Creighton Smith/	DATE CONSIDERED: 12/08/2011

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

U.S. DEPT. OF COMMERCE Patent and Trademark Office	Atty. Docket No.: **357323-990126**	Serial No.: **12/821,119**
	Applicants: **WOOD, Samuel F. et al.**	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Filing Date: **22 June 2010**	Group Art Unit: **2614**

U.S. PATENT DOCUMENTS

Examiners Initials	Patent Number/ Publication Number	Date	Name	Class	Subclass	Filing Date
	7184527	27 Feb 2007	Lin			
	5396542	07 Mar 1995	Alger			
	5907811	25 May 1999	Foladare			
	6243373	05 Jun 2001	Turock			
	6438124	20 Aug 2002	Wilkes			
	6498797	24 Dec 2002	Anerousis			
Change(s) applied to document, /T.W./ 12/13/2012	~~6577718~~ 4555982	03 Dec 1985	Goubaud			
	6775284	10 Aug 2004	Calvignac			
	6816582	09 Nov 2004	Levine			
	6937713	30 Aug 2005	Kung			
	7233658	19 Jun 2007	Koser			
	6775264	10 Aug 2004	Kurganov			
	6807257	19 Oct 2004	Kurganov			

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Sub-class	Translation	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner: /Creighton Smith/	Date Considered: 09/11/2012

EXAMINER: Initial if citation 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 the applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.S./

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)

26379 7590 09/17/2012

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

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.

Alan A. Limbach	(Depositor's name)
/Alan A. Limbach/	(Signature)
December 10, 2012	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

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	~~$870~~ $885	$300	$0	~~$1170~~ $1185	12/17/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
SMITH, CREIGHTON H	2614	370-352000

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,

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1 DLA Piper LLP (US)
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, CALIFORNA

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 07-1896 (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 /Alan A. Limbach/ Date December 10, 2012

Typed or printed name Alan A. Limbach Registration No. 39,749

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:	12821119
Filing Date:	22-Jun-2010
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
First Named Inventor/Applicant Name:	Samuel F. Wood
Filer:	Alan A. Limbach/Kathleen LaBrie
Attorney Docket Number:	357323-990126

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl issue fee	2501	1	885	885
Publ. Fee- early, voluntary, or normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**1185**

Electronic Acknowledgement Receipt

EFS ID:	14420911
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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:	Alan A. Limbach/Kathleen LaBrie
Filer Authorized By:	Alan A. Limbach
Attorney Docket Number:	357323-990126
Receipt Date:	10-DEC-2012
Filing Date:	22-JUN-2010
Time Stamp:	15:39:39
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$1185
RAM confirmation Number	2157
Deposit Account	071896
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	Issue_Fee_Transmittal_PTOL85B_357323-990126.pdf	120227 06621ff7fbe0d3826858c2cb8fbbdb4624441e40	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	31942 084caafcd9b6ddeeba1e0cd42da91b099b5c6e04	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	152169		

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

26379 7590 09/17/2012

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

EXAMINER
SMITH, CREIGHTON H

ART UNIT	PAPER NUMBER
2614	

DATE MAILED: 09/17/2012

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

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	$870	$300	$0	$1170	12/17/2012

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)

26379 7590 09/17/2012

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

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.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

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	$870	$300	$0	$1170	12/17/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
SMITH, CREIGHTON H	2614	370-352000

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,

(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.

1 _____

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
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.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

26379 7590 09/17/2012

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

EXAMINER	
SMITH, CREIGHTON H	

ART UNIT	PAPER NUMBER
2614	

DATE MAILED: 09/17/2012

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 85 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 85 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.

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No.	Applicant(s)	
	12/821,119	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 *RCEX filed on 23 JUL '12*.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are *1-128*.

4. ☐ 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.

5. ☐ 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.

6. ☐ 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).

7. ☐ 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)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

INFORMATION DISCLOSURE STATEMENT		
	Applicant:	WOOD, Samuel F.
	Application No.	12/821,119
	Filed:	June 22, 2010
	For:	**Branch Calling and Caller ID Based Call Routing Telephone Features**
	Group Art Unit:	2614
	Examiner:	SMITH, Creighton H
	Attorney Docket No.:	357323-990126

Commissioner of Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56(a) and 37 C.F.R. § 1.97, Applicant(s) hereby make of record the references listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application.

This Information Disclosure Statement:

(a)	☒	accompanies a new RCE patent application submitted herewith.
(b)	☐	is filed within three (3) months of the Filing Date or before the mailing date of a First Office Action on the merits; OR
(c)	☐	after the period defined in (b) but before the mailing date of a Final Rejection or Notice of Allowance, OR
(d)	☐	is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned prior to the mailing date of either a final rejection or a notice of allowance, and is accompanied by either the fee ($180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below OR
(e)	☐	is filed after the mailing date of either a final rejection or a notice of allowance, and the issue fee has not been paid, and is accompanied by the requisite petition fee ($130) set forth in 37 CFR § 1.17(l)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

As required under § 1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

(f)	☐	Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
(g)	☐	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 this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.S./

It is respectfully requested that the references shown on the attached IDS forms be made of record and considered in this application.

The Commissioner is authorized to charge any deficiencies and credit any overpayment of fees to our Deposit Account No. 07-1896.

Respectfully submitted,

Date: July 23, 2012

DLA PIPER LLP US

By: /Alan A. Limbach/
Reg. No. Alan A. Limbach (Reg. No. 39,749)
Attorneys for Applicant(s)
2000 University Avenue
East Palo Alto, CA 94303-2248
Tel. No. 650-833-2433

☒ *Customer Number or Bar Code Label* **26379**
(Insert Customer No. or Attach bar code label here)

I hereby certify that this correspondence is being transmitted via electronic submission addressed to: Commissioner of Patents & Trademarks, P.O. Box 1450, Alexandria, VA 22313-1450.

July 23, 2012 — **/Alan A. Limbach/**
Date — *Alan Limbach*

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.S./

U.S. DEPT. OF COMMERCE Patent and Trademark Office	Atty. Docket No.: **357323-990126**	Serial No.: **12/821,119**
	Applicants: **WOOD, Samuel F. et al.**	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Filing Date: **22 June 2010**	Group Art Unit: **2614**

U.S. PATENT DOCUMENTS

Examiners Initials	Patent Number/ Publication Number	Date	Name	Class	Subclass	Filing Date
	7184527	27 Feb 2007	Lin			
	5396542	07 Mar 1995	Alger			
	5907811	25 May 1999	Foladare			
	6243373	05 Jun 2001	Turock			
	6438124	20 Aug 2002	Wilkes			
	6498797	24 Dec 2002	Anerousis			
	6577718	03 Dec 1985	Goubaud			
	6775284	10 Aug 2004	Calvignac			
	6816582	09 Nov 2004	Levine			
	6937713	30 Aug 2005	Kung			
	7233658	19 Jun 2007	Koser			
	6775264	10 Aug 2004	Kurganov			
	6807257	19 Oct 2004	Kurganov			

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Sub-class	Translation	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner: /Creighton Smith/	Date Considered: 09/11/2012

EXAMINER: Initial if citation 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 the applicant.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	2614

SEARCHED			
Class	Subclass	Date	Examiner
370	352	13 DEC '11	chs
379	220.01	21 APR '12	"

SEARCH NOTES		
Search Notes	Date	Examiner
EAST	13 DEC '11	chs

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
EAST		21 APR '12	chs

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	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	12/13/2011	04/21/2012	09/11/2012						
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
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	CREIGHTON SMITH	2614

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
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☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☒ T.D. ☐ R.1.47

CLAIM		DATE								
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
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Issue Classification

Application/Control No.	Applicant(s)/Patent Under Reexamination
12821119	WOOD ET AL.
Examiner	**Art Unit**
CREIGHTON SMITH	2614

ORIGINAL		INTERNATIONAL CLASSIFICATION	
CLASS	SUBCLASS	CLAIMED	NON-CLAIMED
370	352	H 0 4 L 12 / 66 (2006.01.01)	

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
379	220.01				

☒ 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
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	14		31		48		65		82		99		116		
	15		32		49		66		83		100		117		
	16		33		50		67		84		101		118		

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 128	
/CREIGHTON SMITH/ Primary Examiner.Art Unit 2614 (Primary Examiner)	11 SEP '12 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	2614

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

	17		34		51		68		85		102		119		

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	128	
/CREIGHTON SMITH/ Primary Examiner.Art Unit 2614	11 SEP '12	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

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	12/821,119
Filing Date	June 22, 2010
First Named Inventor	Samuel F. Wood
Art Unit	2614
Examiner Name	Smith, Creighton H.
Attorney Docket Number	357323-990126

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

   Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a

   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

   a. ☒ Deposit Account No. 07-1896 .

      i. ☒ 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)

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	/Alan A. Limbach/	Date	July 23, 2012
Name (Print/Type)	Alan A. Limbach	Registration No.	39,749

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			
Name (Print/Type)		Date	

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.

INFORMATION DISCLOSURE STATEMENT		
	Applicant:	WOOD, Samuel F.
	Application No.	12/821,119
	Filed:	June 22, 2010
	For:	**Branch Calling and Caller ID Based Call Routing Telephone Features**
	Group Art Unit:	2614
	Examiner:	SMITH, Creighton H
	Attorney Docket No.:	357323-990126

Commissioner of Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56(a) and 37 C.F.R. § 1.97, Applicant(s) hereby make of record the references listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application.

This Information Disclosure Statement:

(a)	☒	accompanies a new RCE patent application submitted herewith.
(b)	☐	is filed within three (3) months of the Filing Date or before the mailing date of a First Office Action on the merits; OR
(c)	☐	after the period defined in (b) but before the mailing date of a Final Rejection or Notice of Allowance, OR
(d)	☐	is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned prior to the mailing date of either a final rejection or a notice of allowance, and is accompanied by either the fee ($180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below OR
(e)	☐	is filed after the mailing date of either a final rejection or a notice of allowance, and the issue fee has not been paid, and is accompanied by the requisite petition fee ($130) set forth in 37 CFR § 1.17(l)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

As required under § 1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

(f)	☐	Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
(g)	☐	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 this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

It is respectfully requested that the references shown on the attached IDS forms be made of record and considered in this application.

The Commissioner is authorized to charge any deficiencies and credit any overpayment of fees to our Deposit Account No. 07-1896.

Respectfully submitted,

Date: July 23, 2012

DLA PIPER LLP US

By: /Alan A. Limbach/
Reg. No. Alan A. Limbach (Reg. No. 39,749)
Attorneys for Applicant(s)
2000 University Avenue
East Palo Alto, CA 94303-2248
Tel. No. 650-833-2433

☒ *Customer Number or Bar Code Label*

26379
(Insert Customer No. or Attach bar code label here)

I hereby certify that this correspondence is being transmitted via electronic submission addressed to: Commissioner of Patents & Trademarks, P.O. Box 1450, Alexandria, VA 22313-1450.

July 23, 2012	**/Alan A. Limbach/**
Date	*Alan Limbach*

U.S. DEPT. OF COMMERCE Patent and Trademark Office	Atty. Docket No.: **357323-990126**	Serial No.: **12/821,119**
	Applicants: **WOOD, Samuel F. et al.**	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Filing Date: **22 June 2010**	Group Art Unit: **2614**

U.S. PATENT DOCUMENTS

Examiners Initials	Patent Number/ Publication Number	Date	Name	Class	Subclass	Filing Date
	7184527	27 Feb 2007	Lin			
	5396542	07 Mar 1995	Alger			
	5907811	25 May 1999	Foladare			
	6243373	05 Jun 2001	Turock			
	6438124	20 Aug 2002	Wilkes			
	6498797	24 Dec 2002	Anerousis			
	6577718	03 Dec 1985	Goubaud			
	6775284	10 Aug 2004	Calvignac			
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	7233658	19 Jun 2007	Koser			
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Examiner:	Date Considered:

EXAMINER: Initial if citation 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 the applicant.

Electronic Patent Application Fee Transmittal

Application Number:	12821119
Filing Date:	22-Jun-2010
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
First Named Inventor/Applicant Name:	Samuel F. Wood
Filer:	Alan A. Limbach/Kathleen LaBrie
Attorney Docket Number:	357323-990126

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for continued examination	2801	1	465	465
		Total in USD ($)		**465**

Electronic Acknowledgement Receipt

EFS ID:	13313217
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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:	Alan A. Limbach/Kathleen LaBrie
Filer Authorized By:	Alan A. Limbach
Attorney Docket Number:	357323-990126
Receipt Date:	23-JUL-2012
Filing Date:	22-JUN-2010
Time Stamp:	17:12:04
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$465
RAM confirmation Number	6527
Deposit Account	071896
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	RCE_Transmittal_357323-990126.pdf	115494 1288be75b4d3262bb776c4eba4e53cb1589483a8	no	1
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	IDS_filed_with_RCE_357323-990126.pdf	125082 c5baaddca33318b537be67380b92d8bd4ffbce67	no	3
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Information:					
This is not an USPTO supplied IDS fillable form					
3	Fee Worksheet (SB06)	fee-info.pdf	30514 4fcb1e3f724881b9adac8210a154b0561d9c9599	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	271090		

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

<u>New Applications Under 35 U.S.C. 111</u>
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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

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	Examiner	Art Unit
	CREIGHTON SMITH	2614

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

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CLAIM		DATE								
Final	Original	12/13/2011	04/21/2012							
	37	✓	=							
	38	✓	=							
	39	✓	=							
	40	✓	=							
	41	✓	=							
	42	✓	=							
	43	✓	=							
	44	✓	=							
	45	✓	=							
	46	✓	=							
	47	✓	=							
	48	✓	=							
	49	✓	=							
	50	✓	=							
	51	✓	=							
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	53	✓	=							
	54	✓	=							
	55	✓	=							
	56	✓	=							
	57	✓	=							
	58	✓	=							
	59	✓	=							
	60	✓	=							
	61	✓	=							
	62	✓	=							
	63	✓	=							
	64	✓	=							
	65	✓	=							
	66	✓	=							
	67	✓	=							
	68	✓	=							
	69	✓	=							
	70	✓	=							
	71	✓	=							
	72	✓	=							

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	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	12/13/2011	04/21/2012							
	73	✓	=							
	74	✓	=							
	75	✓	=							
	76	✓	=							
	77	✓	=							
	78	✓	=							
	79	✓	=							
	80	✓	=							
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	89	✓	=							
	90	✓	=							
	91	✓	=							
	92	✓	=							
	93	✓	=							
	94	✓	=							
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	96	✓	=							
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	100	✓	=							
	101	✓	=							
	102	✓	=							
	103	✓	=							
	104	✓	=							
	105	✓	=							
	106	✓	=							
	107	✓	=							
	108	✓	=							

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	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	12/13/2011	04/21/2012							
	109	✓	=							
	110	✓	=							
	111	✓	=							
	112	✓	=							
	113	✓	=							
	114	✓	=							
	115	✓	=							
	116	✓	=							
	117	✓	=							
	118	✓	=							
	119	✓	=							
	120	✓	=							
	121	✓	=							
	122	✓	=							
	123	✓	=							
	124		=							
	125		=							
	126		=							
	127		=							
	128		=							

Issue Classification

Application/Control No.	Applicant(s)/Patent Under Reexamination
12821119	WOOD ET AL.
Examiner	**Art Unit**
CREIGHTON SMITH	2614

ORIGINAL		INTERNATIONAL CLASSIFICATION	
CLASS	SUBCLASS	CLAIMED	NON-CLAIMED
370	352	H 0 4 L 12 / 66 (2006.01.01)	

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
379	220.01				

☒ 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		18		35		52		69		86		103		120
	2		19		36		53		70		87		104		121
	3		20		37		54		71		88		105		122
	4		21		38		55		72		89		106		123
	5		22		39		56		73		90		107		124
	6		23		40		57		74		91		108		125
	7		24		41		58		75		92		109		126
	8		25		42		59		76		93		110		127
	9		26		43		60		77		94		111		128
	10		27		44		61		78		95		112		
	11		28		45		62		79		96		113		
	12		29		46		63		80		97		114		
	13		30		47		64		81		98		115		
	14		31		48		65		82		99		116		
	15		32		49		66		83		100		117		
	16		33		50		67		84		101		118		

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 128	
/CREIGHTON SMITH/ Primary Examiner.Art Unit 2614 (Primary Examiner)	21 APR '12 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	2614

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

	17		34		51		68		85		102		119		

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	128	
/CREIGHTON SMITH/ Primary Examiner.Art Unit 2614	21 APR '12	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

26379 7590 06/18/2012

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

EXAMINER	
SMITH, CREIGHTON H	
ART UNIT	PAPER NUMBER
2614	

NOTIFICATION DATE	DELIVERY MODE
06/18/2012	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

supplemental ***Notice of Allowability***	**Application No.** 12/821,119	**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--

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 *terminal disclaimer filed on 16 APR '12*.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are *1-128*.

4. ☐ 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.

5. ☐ 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.

6. ☐ 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).

7. ☐ 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)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/CREIGHTON SMITH/ Primary Examiner, Art Unit 2614	12 JUN '12

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

26379 7590 04/26/2012

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

EXAMINER
SMITH, CREIGHTON H

ART UNIT	PAPER NUMBER
2614	

DATE MAILED: 04/26/2012

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

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	$870	$300	$0	$1170	07/26/2012

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)

26379 7590 04/26/2012

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

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.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

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	$870	$300	$0	$1170	07/26/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
SMITH, CREIGHTON H	2614	370-352000

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,

(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.

1 _____

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.

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	06/22/2010	Samuel F. Wood	357323-990126	3386

26379 7590 04/26/2012

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

EXAMINER	
SMITH, CREIGHTON H	

ART UNIT	PAPER NUMBER
2614	

DATE MAILED: 04/26/2012

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 85 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 85 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.

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No.	Applicant(s)	
	12/821,119	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 *Terminal disclaimer filed on16 APR '12*.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are *1-123*.

4. ☐ 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.

5. ☐ 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.

6. ☐ 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).

7. ☐ 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)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The prior art fails to disclose applicant's web-enabled processing system that connects phone calls between the packet switched network/Internet and the circuit switched network/PSTN. The processing system will receive a phone call via the packet switched system and then originate another phone call that initiates voice communication, with the web enabled processing system coupled to a switch of the PSTN. No obvious combination of references found 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.

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

21 APR ‘12

Issue Classification

Application/Control No.	Applicant(s)/Patent Under Reexamination
12821119	WOOD ET AL.
Examiner	**Art Unit**
CREIGHTON SMITH	2614

ORIGINAL		INTERNATIONAL CLASSIFICATION	
CLASS	SUBCLASS	CLAIMED	NON-CLAIMED
370	352	H 0 4 L 12 / 66 (2006.01.01)	

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
379	220.01				

☒ 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
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	3		20		37		54		71		88		105		122
	4		21		38		55		72		89		106		123
	5		22		39		56		73		90		107		
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	15		32		49		66		83		100		117		
	16		33		50		67		84		101		118		

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	123	
/CREIGHTON SMITH/ Primary Examiner.Art Unit 2614	21 APR '12	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	2614

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

	17		34		51		68		85		102		119		

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	123	
/CREIGHTON SMITH/ Primary Examiner.Art Unit 2614	21 APR '12	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	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

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	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

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	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

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	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

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	121	✓	=							
	122	✓	=							
	123	✓	=							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	2614

SEARCHED			
Class	Subclass	Date	Examiner
370	352	13 DEC '11	chs
379	220.01	21 APR '12	"

SEARCH NOTES		
Search Notes	Date	Examiner
EAST	13 DEC '11	chs

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
EAST		21 APR '12	chs

Application Number	Application/Control No.	Applicant(s)/Patent under Reexamination	
	12/821,119	WOOD ET AL.	

Document Code - DISQ	Internal Document – DO NOT MAIL

TERMINAL DISCLAIMER	☒ APPROVED	☐ DISAPPROVED
Date Filed : 16 APR 2012	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:

JAB

U.S. Patent and Trademark Office

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	**Customer No.:** 26379
Samuel F. WOOD, et al.	**Confirmation No.:** 3386
Serial No.: 12/821,119	**Group Art Unit:** 2614
Filed: June 22, 2010	**Examiner:** Creighton H. Smith
For: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES	**Docket No.**: 357323-990126

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

CERTIFICATE OF TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being transmitted via electronic submission, attention Mail Stop Amendment, Commissioner for Patents, Alexandria, VA 22313-1450, on **April 16, 2012**.

DLA PIPER LLP (US)

By: /Alan A. Limbach/
Alan A. Limbach

RESPONSE TO OFFICE ACTION OF DECEMBER 16, 2011

Sir:

In response to the Office Action of December 16, 2011, please amend the above identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 23 of this paper.

IN THE CLAIMS:

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

1. (Currently Amended) A method performed by a web enabled processing system including one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one packet network and a second network coupled to a switching facility of a ~~communication~~ telecommunications network, the ~~communications~~ telecommunications network 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 for enabling voice communication from a calling party to a called party across both the packet network and the second network, the method comprising the steps of:

receiving a call ~~request~~ originated by the calling party via either the packet network or the second network, at the call processing system, the calling party using a communications device to originate the call for the purpose of initiating voice communication, the call processing system coupled to at least one switching facility of the ~~communications~~ telecommunications network via the second network, the call processing system processing the call across both the packet network and the second ~~and the communications~~ network to complete the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is completed, across both the packet network and the second network.

2. (Currently Amended) A method as defined in claim 1, wherein either the calling party or the called party is a subscriber of the web enabled ~~one or more web servers coupled to a call~~ processing system.

3. (Original) A method as defined in claim 2, further comprising the step of:

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. (Currently Amended) A method as defined in claim ~~1~~ 3, 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) A method as defined in claim ~~1~~ 3, wherein when one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the call processing system, and the call processing system abandons the other calls.

6. (Original) A method as defined in claim 5, wherein the answer supervision is pursuant to the SS7 signaling protocol.

7. (Currently Amended) A method as defined in claim ~~1~~ 2, wherein the call processing system is coupled to the switching facility, which is a PSTN tandem switch within the ~~communication~~ telecommunications network, which is a public switched telephone network (PSTN), and wherein receiving the 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, the ~~web-enabled~~ call processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

8. (Currently Amended) A method as defined in claim 2, further comprising the step of:

identifying one or more control criteria ~~previously~~ associated with the subscriber, wherein the one or more control criteria had been previously provided to the web server, and completing the call in accordance with the control criteria associated with the

subscriber and establishing the voice communication only in accordance with the control criteria.

9. (Currently Amended) A method as defined in claim 1, wherein the ~~communication~~ telecommunications network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

10. (Currently Amended) A method as defined in claim 1, wherein the communications device is a digital device.

11. (Currently Amended) A method as defined in claim 1, wherein the ~~call~~ web enabled processing system is implemented using a distributed architecture spanning at least two locations.

12. (Currently Amended) A method as defined in claim 1, wherein the ~~call~~ web enabled processing system utilizes a programmed processor utilizing the TDM architecture.

13. (Currently Amended) A method as defined in claim 1, wherein the web enabled ~~call~~ processing system utilizes a programmed processor utilizing packet switching.

14. (Currently Amended) A method as defined in claim 1, wherein the web enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

15. (Currently Amended) A method as defined in claim 1, wherein the call originated by the calling party via the ~~packet~~ second network is facilitated via a VoIP connection.

16. (Previously Presented) A method as defined in claim 15, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the second network.

17. (Previously Presented) A method as defined in claim 1, wherein the call processing system is located within a local service area corresponding to the specified recipient.

18. (Previously Presented) A method as defined in claim 1, wherein the call processing system is configured as a tandem access controller.

19. (Currently Amended) A method as defined in claim 18, wherein the tandem access controller is coupled to and operates in conjunction with at least one of the switching facilities located within the ~~communication~~ telecommunications network.

20. (Original) A method as defined in claim 1, wherein at least a portion of the call is completed over a wireless link.

21. (Currently Amended) A method as defined in claim 1, wherein the communications device is 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.

22. (Currently Amended) A method as defined in claim 1, wherein the ~~communication~~ telecommunications network comprises a network of switching facilities performing a class 4 switching function.

23. (Currently Amended) A method as defined in claim 1, wherein the ~~communication~~ telecommunications network comprises a network of class 4 switches.

24. (Currently Amended) A method as defined in claim 1, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system to perform one or more of the following operations:

a) ~~c)~~ Conditional Call Blocking/Forwarding

b) ~~d)~~ Interactive Voice Response and Speech Recognition;

c) ~~f)~~ Click-to-Dial Calling;

d) ~~h)~~ Web-Based Billing;

e) ~~k)~~ Retain Current Number (Local Number Portability);

f) ~~r)~~ Web Dialing;

g) ~~s)~~ Click-to-Dial from Web Pages

25. (Currently Amended) A method as defined in claim 1, wherein the ~~tandem switch~~ switching facility utilizes a TDM switching matrix.

26. (Currently Amended) A method as defined in claim 1, wherein the ~~tandem switch~~ switching facility utilizes an ATM switching matrix.

27. (Currently Amended) A method as defined in claim 1, wherein the ~~tandem switch~~ switching facility utilizes a crosspoint switching matrix.

28. (Currently Amended) A method as defined in claim 1, wherein the ~~tandem switch~~ switching facility utilizes a VOIP switching matrix.

29. (Currently Amended) A method for routing calls from a calling party to a called party performed by a web-enabled processing system including one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one packet network and a circuit-switched network in a ~~communication~~ telecommunications network, the circuit-switched network 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 for enabling voice communication from the calling party to the called party across both the packet network and the circuit-switched network, the method comprising the steps of:

receiving a call originated by the calling party via the packet network, at the ~~web-enabled~~ call processing system, the calling party using a communications device to originate the call for the purpose of initiating the voice communication, the ~~web-enabled~~ call processing system coupled to at least one switching facility of the circuit-switched network, the ~~web-enabled~~ call processing system processing the call across ~~the circuit-~~

~~switched network and~~ at least one packet network and the circuit-switched network to connect the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is connected, across both the packet network and the circuit-switched network.

30. (Original) A method as defined in claim 29, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

31. (Currently Amended) A method as defined in claim ~~29~~ 30, wherein the web-enabled processing system is configured to perform enhanced routing operations, further comprising the steps of:

facilitating selection of at least one calling feature by the subscriber, the web-enabled processing system configured to perform the steps of:

upon receiving the call from the calling party, using the communications device to implement a calling feature previously designated by the subscriber via the ~~internet~~ web server;

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.

32. (Currently Amended) A method as defined in claim ~~29~~ 30, wherein the subscriber is a subscriber of residential telephone service.

33. (Currently Amended) A method as defined in claim ~~29~~ 30, wherein the subscriber is a subscriber of business telephone service.

34. (Currently Amended) A method as defined in claim 29 ~~25~~, wherein the ~~tandem switch~~ switching facility utilizes a TDM switching matrix.

35. (Currently Amended) A method as defined in claim 29 ~~25~~, wherein the ~~tandem switch~~ switching facility utilizes an ATM switching matrix.

36. (Currently Amended) A method as defined in claim 29 ~~25~~, wherein the ~~tandem switch~~ switching facility utilizes a crosspoint switching matrix.

37. (Currently Amended) A method as defined in claim 29 ~~25~~, wherein the ~~tandem switch~~ switching facility utilizes a VOIP switching matrix.

38. (Currently Amended) A method performed by a web-enabled processing system including one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a ~~communication~~ telecommunications network, the circuit-switched network 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 for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the method comprising the steps of:

receiving a call originated by the calling party via the circuit-switched network, at the ~~web-enabled~~ call processing system, the calling party using a communications device to originate the call for the purpose of initiating voice communication, the ~~web-enabled~~ call processing system coupled to at least one switching facility of the circuit-switched network, the ~~web-enabled~~ call processing system processing the call across the circuit-switched network and the packet network to complete the call to the called party; and

establishing the voice communication between the calling party and the called party after the call ~~is~~ has been completed, across both the circuit-switched network and the packet network.

39. (Original) A method as defined in claim 38, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

40. (Original) A method as defined in claim 39, further comprising the step of:

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.

41. (Currently Amended) A method as defined in claim ~~38,~~ 40, wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

42. (Currently Amended) A method as defined in claim ~~38,~~ 40, wherein one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the processing system, and the processing system abandons the other calls.

43. (Original) A method as defined in claim 42, wherein the answer supervision signal is pursuant to the SS7 signaling protocol.

44. (Currently Amended) A method as defined in claim ~~38,~~ 39, wherein the ~~web-enabled~~ call processing system is connected to the switching facility, which is a PSTN tandem switch within the ~~communication~~ telecommunications network, which is a public switched telephone network (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.

45. (Currently Amended) A method as defined in claim 39, further comprising the step of:

identifying one or more control criteria previously associated with the subscriber, wherein the one or more control criteria was entered via ~~a web-based interface~~ the web server, and completing the call in accordance with the control criteria associated with the subscriber and establishing the voice communication only in accordance with the control criteria.

46. (Currently Amended) A method as defined in claim 38, wherein the ~~communication~~ telecommunications network further comprises any one or more of a circuit-switched network, a packet-based network, and a wireless network.

47. (Currently Amended) A method as defined in claim 38, wherein the communications device is a digital device.

48. (Original) A method as defined in claim 38, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

49. (Original) A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

50. (Original) A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

51. (Original) A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

52. (Original) A method as defined in claim 38, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

53. (Original) A method as defined in claim 38, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

54. (Currently Amended) A method as defined in claim 38, wherein the ~~web-enabled~~ call processing system is located within a local service area corresponding to the specified recipient.

55. (Currently Amended) A method as defined in claim 38, wherein the ~~web-enabled~~ call processing system is designed to be configured as a tandem access controller.

56. (Currently Amended) A method as defined in claim 55, wherein the tandem access controller is designed to be coupled to and operate~~s~~ in conjunction with at least one of the switching facilities located within the communication network.

57. (Original) A method as defined in claim 38, wherein at least a portion of the call is completed over a wireless link.

58. (Currently Amended) A method as defined in claim 38, wherein the communication~~s~~ device is 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.

59. (Currently Amended) A method as defined in claim 38, wherein the ~~communication~~ telecommunications network comprises a network of switching facilities performing a class 4 switching function.

60. (Currently Amended) A method as defined in claim 38, wherein the ~~communication~~ telecommunications network comprises a network of class 4 switches.

61. (Currently Amended) A method as defined in claim 38, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system to perform one or more of the following operations:

a) ~~c)~~ Conditional Call Blocking/Forwarding/Alerting;

b) ~~d)~~ Interactive Voice Response and Speech Recognition;

c) ~~f)~~ Click-to-Dial Calling;

d) ~~g)~~ Group Calling and Messaging;

e) ~~h)~~ Web-Based Billing;

f) ~~k)~~ Retain Current Number (Local Number Portability);

g) ~~n)~~ Standard DTMF and VoIP Phones;

h) ~~r)~~ Web Dialing;

i) ~~s)~~ Click-to-Dial from Web Pages, Directories, Calendars

62. (Currently Amended) A method as defined in claim 38, wherein the ~~tandem switch~~ switching facility utilizes an ATM switching matrix.

63. (Currently Amended) A method as defined in claim 38, wherein the ~~tandem switch~~ switching facility utilizes a crosspoint switching matrix.

64. (Currently Amended) A method as defined in claim 38, wherein the ~~tandem switch~~switching facility utilizes a VOIP switching matrix.

65. (Currently Amended) A communication network with an improved architecture comprising a web-enabled processing system including one or more web servers designed to be coupled to a call processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a ~~communication~~ telecommunications network, the circuit-switched network 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 communication network designed to enable voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the communication network comprising:

an interface capability within the web-enabled processing system for receiving a call originated by the calling party via either the packet network or the circuit-switched network, the call originated by the calling party via a communications device for the

purpose of initiating voice communication, the web-enabled processing system designed to be coupled to at least one switching facility of the circuit-switched network;

a call processing capability within the web-enabled processing system for processing the call across the packet network and the circuit-switched network to complete the call to the called party; and

a capability within the web-enabled processing system for establishing the voice communication between the calling party and the called party after the call is completed, across both the packet network and the circuit-switched network.

66. (Original) A communication network as defined in claim 65, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

67. (Currently Amended) A communication network as defined in claim 66, wherein the interface capability is designed to detects ~~a~~ first information about the source of the call and associates 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 wherein the interface capability is designed to simultaneously places at least two calls to at least two communications devices.

68. (Currently Amended) A communication network as defined in claim ~~66~~ 67, wherein the at least two calls to the communications devices ~~are~~ can be any combination of local call, long distance call, cellular call, and VOIP call.

69. (Original) A communication network as defined in claim 67, 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 abandons the other calls.

70. (Original) A communication network as defined in claim 69, wherein the answer supervision signal is pursuant to the SS7 signaling protocol.

71. (Currently Amended) A communication network as defined in claim 65, wherein the ~~web-enabled~~ call processing system is designed to be connected to the switching facility, which is a PSTN tandem switch within the ~~communication~~ telecommunications network, and wherein the interface capability is designed to receive~~s~~ a call from the calling party by 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, and the ~~web-enabled~~ call processing system is designed to simultaneously place~~ing~~ at least second and third calls using second and third telephone numbers different from the first telephone number.

72. (Currently Amended) A communication network as defined in claim 71, wherein the subscriber's public telephone number ~~is~~ can be selected via the ~~WEB~~ web server.

73. (Currently Amended) A communication network as defined in claim 71, wherein the web-enabled processing system is designed to be configured to accept one or more control criteria previously associated with the subscriber, wherein the subscriber has the capability to request the one or more control criteria via ~~a web-based interface~~ the web server, and wherein the web-enabled processing system is is designed to be configured to complete the call in accordance with the control criteria associated with the subscriber and to establish the voice communication only in accordance with the control criteria.

74. (Currently Amended) A communication network as defined in claim 65, wherein the ~~communication~~ telecommunications network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

75. (Currently Amended) A communication network as defined in claim 65, wherein the communications device is a digital device.

76. (Currently Amended) A communication network as defined in claim 65, wherein the web-enabled processing system is designed to be implemented using a distributed architecture spanning at least two locations.

77. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

78. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

79. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

80. (Original) A communication network as defined in claim 65, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

81. (Original) A communication network as defined in claim 80, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

82. (Currently Amended) A communication network as defined in claim 80, wherein the ~~web-enabled~~ call processing system is designed to be located within a local service area corresponding to the specified recipient.

83. (Currently Amended) A communication network as defined in claim 80, wherein the ~~web-enabled~~ call processing system is designed to be configured as a tandem access controller.

84. (Currently Amended) A communication network ~~method~~ as defined in claim 83, wherein the tandem access controller is designed to be coupled to and to operate~~s~~ in conjunction with at least one of the switching facilities located within the ~~communication~~ telecommunications network.

85. (Currently Amended) A ~~method~~ communication network as defined in claim 80, wherein at least a portion of the call is completed over a wireless link.

86. (Currently Amended) A ~~method~~ communication network as defined in claim 80, wherein the communications device is 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.

87. (Currently Amended) A ~~method~~ communication network as defined in claim 80, wherein the ~~communication~~ telecommunications network comprises a network of switching facilities performing a class 4 switching function.

88. (Currently Amended) A ~~method~~ communication network as defined in claim 80, wherein the ~~communication~~ telecommunications network comprises a network of class 4 switches.

89. (Currently Amended) A ~~method~~ communication network as defined in claim 80, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system to perform one or more of the following operations:

a) ~~e)~~ Conditional Call Blocking/Forwarding/Alerting;

b) ~~d)~~ Interactive Voice Response and Speech Recognition;

c) ~~f)~~ Click-to-Dial Calling;

d) ~~h)~~ Web-Based Billing;

e) ~~k)~~ Retain Current Number (Local Number Portability);

f) ~~n)~~ Standard DTMF and VoIP Phones;

g) ~~r)~~ Web Dialing;

h) ~~s)~~ Click-to-Dial from Web Pages, Directories~~.~~

90. (Currently Amended) A ~~method~~ communication network as defined in claim 65, wherein the ~~tandem switch~~ switching facility utilizes a TDM switching matrix.

91. (Currently Amended) A ~~method~~ communication network as defined in claim 65, wherein the ~~tandem switch~~ switching facility utilizes an ATM switching matrix.

92. (Currently Amended) A ~~method~~ communication network as defined in claim 65, wherein the ~~tandem switch~~ switching facility utilizes a crosspoint switching matrix.

93. (Currently Amended) A ~~method~~ communication network as defined in claim 65, wherein the tandem switch utilizes a VOIP switching matrix.

94. (Currently Amended) A communication network comprising a web-enabled processing system including one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a ~~communication~~ telecommunications network, the circuit-switched network comprising edge switches for routing calls from and to subscribers within a local geographic area and ~~switching facilities~~ tandem switches for routing calls to other edge switches or other ~~switching facilities~~ tandem switches local or in other geographic areas, the ~~method~~ communication network for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the communication network comprising:

an interface capability within the ~~web-enabled~~ call processing system for receiving a call originated by the calling party via either the circuit-switched network or the packet network, the call originated by the calling party via a communications device for the purpose of initiating voice communication, the ~~web-enabled~~ call processing system coupled to at least one ~~switching facility~~ tandem switch of the circuit-switched network;

a call processing capability within the ~~web-enabled~~ call processing system for processing the call across the circuit-switched network and at least one packet network to complete the call to the called party; and

a capability within the web-enabled processing system for establishing the voice communication between the calling party and the called party after the call is completed, across both the circuit-switched network and the at least one packet network.

95. (Original) A communication network as defined in claim 94, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

96. (Currently Amended) A communication network as defined in claim 95, wherein the subscriber's public telephone number is selected via the ~~WEB~~ web server.

97. (Original) A communication network as defined in claim 95, wherein the interface capability detects a first information about the source of the call and associates 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 wherein the interface capability simultaneously places at least two calls to at least two communications devices.

98. (Currently Amended) A communication network as defined in claim ~~66~~ 97, wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

99. (Currently Amended) A communication network as defined in claim ~~67~~ 97, 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 abandons the other calls.

100. (Currently Amended) A communication network as defined in claim ~~69~~ 99, wherein the answer supervision is pursuant to the SS7 signaling protocol.

101. (Currently Amended) A communication network as defined in claim ~~65~~ 95, wherein the ~~web-enabled~~ call processing system is connected to the ~~switching facility~~ tandem

switch, which is a PSTN tandem switch within the ~~communication~~ telecommunications network, which is a public switched telephone network (PSTN), and wherein the interface capability receives a call from the calling party by 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, and the ~~web-enabled~~ call processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

102. (Currently Amended) A communication network as defined in claim ~~71~~ 95, wherein the web-enabled processing system is configured to accept one or more control criteria previously associated with the subscriber, wherein the subscriber has the capability to request the one or more control criteria via ~~a web-based interface~~ the web server, and wherein the web-enabled processing system is configured to complete the call in accordance with the control criteria associated with the subscriber and to establish the voice communication only in accordance with the control criteria.

103. (Currently Amended) A communication network as defined in claim ~~65~~ 94, wherein the ~~communication~~ telecommunications network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

104. (Currently Amended) A communication network as defined in claim ~~65~~ 94, wherein the communications device is a digital device.

105. (Currently Amended) A communication network as defined in claim ~~65~~ 94, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

106. (Currently Amended) A communication network as defined in claim ~~65~~ 94, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

107. (Currently Amended) A communication network as defined in claim ~~65~~ 94, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

108. (Currently Amended) A communication network as defined in claim ~~65~~ 94, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

109. (Currently Amended) A communication network as defined in claim ~~65~~ 94, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

110. (Original) A communication network as defined in claim 109, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

111. (Original) A communication network as defined in claim 109, wherein the web-enabled processing system is located within a local service area corresponding to the specified recipient.

112. (Original) A communication network as defined in claim 109, wherein the web-enabled processing system is configured as a tandem access controller.

113. (Currently Amended) A ~~method~~ communication network as defined in claim 112, wherein the tandem access controller is coupled to and operates in conjunction with at least one of the ~~switching facilities~~ tandem switches located within the ~~communication network~~ telecommunications network .

114. (Currently Amended) A ~~method~~ communication network as defined in claim 109, wherein at least a portion of the call is completed over a wireless link.

115. (Currently Amended) A ~~method~~ communication network as defined in claim 109, wherein the communications device is 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.

116. (Currently Amended) A ~~method~~ communication network as defined in claim 109, wherein the ~~communication~~ telecommunications network comprises a network of switching facilities performing a class 4 switching function.

117. (Currently Amended) A ~~method~~ communication network as defined in claim 109, wherein the ~~communication~~ telecommunications network comprises a network of class 4 switches.

118. (Currently Amended) A ~~method~~ communication network as defined in claim 109, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system to perform one or more of the following operations:

a) ~~c)~~ Conditional Call Blocking/Forwarding/Alerting;

b) ~~d)~~ Interactive Voice Response and Speech Recognition;

c) ~~f)~~ Click-to-Dial Calling;

d) ~~h)~~ Web-Based Billing;

e) ~~k)~~ Retain Current Number (Local Number Portability);

f) ~~n)~~ Standard DTMF and VoIP Phones;

g) ~~r)~~ Web Dialing;

h) ~~s)~~ Click-to-Dial from Web Pages, Directories.

119. (Currently Amended) A ~~method~~ communication network as defined in claim 94, wherein the tandem switch utilizes a TDM switching matrix.

120. (Currently Amended) A ~~method~~ communication network as defined in claim 94, wherein the tandem switch utilizes an ATM switching matrix.

121. (Currently Amended) A ~~method~~ communication network as defined in claim 94, wherein the tandem switch utilizes a crosspoint switching matrix.

122. (Currently Amended) A ~~method~~ communication network as defined in claim 94, wherein the tandem switch utilizes a VOIP switching matrix.

123. (Currently Amended) A ~~method~~ communication network as defined in claim 38, wherein the switching facility utilizes a TDM switching matrix.

.

124. (New) A method as defined in claim 1 wherein the one or more web servers coupled to the call processing system are coupled through a data base.

125. (New) A communication network as defined in claim 29 wherein the one or more web servers coupled to the call processing system are coupled through a data base.

126. (New) A communication network as defined in claim 38 wherein the one or more web servers coupled to the call processing system are coupled through a data base.

127. (New) A communication network as defined in claim 65 wherein the one or more web servers designed to be coupled to the call processing system are designed to be coupled through a data base.

128. (New) A communication network as defined in claim 94 wherein the one or more web servers coupled to the call processing system are coupled through a data base.

REMARKS/ARGUMENTS

Claims 1-128 are pending. Claims 1-2, 4-5, 7-15, 19, 21-29, 31-38, 41-42, 44-47, 54-56, 58-65, 67-68, 71-76, 82-94, 96, 98-109 and 113-123. Claims 124-128 are newly added.

1. Double Patenting

The claims 1-123 stand rejected under non-statutory double patenting over U.S. Patent No. 6,574,328. A terminal disclaimer is submitted herewith to overcome this rejection.

2. Rejection of Claims 7 and 24 Under §112

Claims 7 and 24 stand rejected under 35 U.S.C. 112, second paragraph as being indefinite because "the web-enabled processing system" lacks antecedent basis. Parent claim 1 has been amended to overcome this rejection.

The claims have been amended, and claims newly added, to more particularly claim the Applicants' invention. No new matter has been added.

It is respectfully submitted that the claims are in an allowable form, and action to that end is respectfully requested.

Respectfully submitted,

DLA PIPER US LLP

Dated: April 16, 2012 By: /Alan A. Limbach/
Alan A. Limbach
Reg. No. 39,749

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TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	Docket Number (Optional) 357323-990126

In re Application of: Samuel F. Wood, et al.

Application No.: 12/821,119

Filed: June 22, 2010

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

The owner*, Telemaze LLC, of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of **prior patent** No. 6,574,328 as the term of said **prior patent** is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the **prior patent** are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the **prior patent**, "as the term of said **prior patent** is presently shortened by any terminal disclaimer," in the event that said **prior patent** later:

expires for failure to pay a maintenance fee;
is held unenforceable;
is found invalid by a court of competent jurisdiction;
is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
has all claims canceled by a reexamination certificate;
is reissued; or
is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. ☐ For submissions on behalf of a business/organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the business/organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2. ☒ The undersigned is an attorney or agent of record. Reg. No. 39,749

/Alan A. Limbach/ — Signature

April 16, 2012 — Date

Alan A. Limbach — Typed or printed name

650-833-2433 — Telephone Number

☒ Terminal disclaimer fee under 37 CFR 1.20(d) included.

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*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

Application Number:	12821119
Filing Date:	22-Jun-2010
Title of Invention:	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
First Named Inventor/Applicant Name:	Samuel F. Wood
Filer:	Alan A. Limbach/Kathleen LaBrie
Attorney Docket Number:	357323-990126

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:				
Claims in excess of 20	2202	5	30	150
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 - 1 month with $0 paid	2251	1	75	75
Miscellaneous:				
Statutory or terminal disclaimer	2814	1	80	80
		Total in USD ($)		**305**

Electronic Acknowledgement Receipt

EFS ID:	12553223
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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:	Alan A. Limbach
Filer Authorized By:	
Attorney Docket Number:	357323-990126
Receipt Date:	16-APR-2012
Filing Date:	22-JUN-2010
Time Stamp:	20:36:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$305
RAM confirmation Number	6800
Deposit Account	071896
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	Response_To_Office_Action_of_12-16-11_357323-990126.pdf	134933 5311410c22d3dd9ea3cb3592ac0683d57cd970ba	no	23
Warnings:					
Information:					
2	Terminal Disclaimer Filed	Terminal_disclaimer_357323-990126.pdf	91662 2157412ec0763f4b31d7b5ae69d62baa63c1031b	no	1
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	33829 bef91535150311b579d3da3500d5075ce75ac3f7	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	260424		

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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.

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
12/821,119	06/22/2010	

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY ☒ RATE ($)	SMALL ENTITY ☒ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT 04/16/2012	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 128	Minus	** 123	= 5	X $30 =	150	OR	X $ =	
Independent (37 CFR 1.16(h))	* 5	Minus	***5	= 0	X $125 =	0	OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE	150	OR	TOTAL ADD'L FEE	

AMENDMENT	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/ROSS W. BROWN/

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/821,119	06/22/2010	Samuel F. Wood	TLM-103C1CON4

CONFIRMATION NO. 3386

POWER OF ATTORNEY NOTICE

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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).

/fstephanos/

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/821,119	06/22/2010	Samuel F. Wood	357323-990126

CONFIRMATION NO. 3386

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

POA ACCEPTANCE LETTER

OC000000052006692

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.

/fstephanos/

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

PTO/SB/81 (01-09)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Application Number	12/821,119
Filing Date	June 22, 2010
First Named Inventor	Wood
Title	Branch Calling And Caller ID Based Call Routing Telephone Features
Art Unit	2614
Examiner Name	Kuntz, Curtis A.
Attorney Docket Number	357323-980126

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:

OR

☐ 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	1/5/12
Name	Jerry Klein	Telephone	650.948.1243
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.

PTO/SB/96 (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Wood, Samuel F.; Klein, Jerry A. & Asprey, Margaret Susan

Application No./Patent No.: 12/821,119 Filed/Issue Date: June 22, 2010

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

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 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.

/Jerry Klein/ 1/5/12
Signature Date

Jerry Klein Managing Director, Telemaze LLC
Printed or Typed Name Title

Electronic Acknowledgement Receipt

EFS ID:	11794989
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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-103C1CON4
Receipt Date:	09-JAN-2012
Filing Date:	22-JUN-2010
Time Stamp:	19:13:36
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	990126_Power_of_Attorney.pdf	407218 5bf623f8aef8c0baaf25291820c2482e678b2f38	no	1

Warnings:	
Information:	

2	Assignee showing of ownership per 37 CFR 3.73(b).	990126_Statement_37_CFR373b.pdf	389648 d4bdb6ae0a1ac834c05fab765573a0c10aa79092	no	1

Warnings:	
Information:	
Total Files Size (in bytes):	796866

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/821,119	06/22/2010	Samuel F. Wood	TLM-103C1CON4	3386

49637 7590 12/16/2011

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

EXAMINER
SMITH, CREIGHTON H

ART UNIT	PAPER NUMBER
2614	

NOTIFICATION DATE	DELIVERY MODE
12/16/2011	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):

efiling@berrypc.com

Office Action Summary	Application No.	Applicant(s)	
	12/821,119	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 _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ 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

5)☒ Claim(s) *1-123* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-123* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ 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).

12)☐ 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

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

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: _____.

DETAILED ACTION

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-123 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-8 of U.S. Patent No. 6574328. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims of the instant application could have been included with the claims of the '328 patent.

Claims 7, 24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

There is no antecedent basis in claims 7, 24 for "the web-enabled processing system."

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

/CREIGHTON SMITH/

Primary Examiner, Art Unit 2614 13 DEC '11

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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BIB DATA SHEET

CONFIRMATION NO. 3386

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/821,119	06/22/2010	379	2614	TLM-103C1CON4

APPLICANTS

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

**** CONTINUING DATA ***************************

This application is a CON of 11/948,965 11/30/2007 PAT 7,764,777
which 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 **
07/01/2010

Foreign Priority claimed	☐ Yes ☑ No	☐ Met after Allowance	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119(a-d) conditions met	☐ Yes ☑ No		CA	11	123	5
Verified and Acknowledged	/CREIGHTON H SMITH/ Examiner's Signature	Initials				

ADDRESS

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

TITLE

BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

FILING FEE RECEIVED		
3360	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1CON4	SERIAL NO. 12/821,119
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		4,310,726	01-12-1982	Asmuth	179	18	02-04-1980
		5,673,262	09-30-1997	Shimizu	370	395	11-07-1995
		5,848,140	12-08-1998	Foladare et al.	379	201	12-29-1995
		5,991,310	07-09-1997	Katko	370	522	07-09-1997
		2007/0041526	02-2007	Hill et al.	379	88.21	10-27-2006

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		
	1	Dowden, Douglas C., et al., "The Future of Network-Provided Communications Services," *Bell Labs Technical Journal*, July-September 2000, pp. 3-10
	2	Foard, C.F., "Teaming Switches and Computers for Customer Applications," *AT&T Technology*, 1991; 6, 4; Research Library, pp. 32-38
	3	Foster, Robin Harris, "Computer-Telephone Integration Goes Global," *AT&T Technology*, Autumn 1995; 10, 3; Research Library , pp. 18-22
	4	Kozik, Jack, et al., "On Opening PSTN to Enhanced Voice/Data Services – The PINT Protocol Solution," *Bell Labs Technical Journal*, July-September 2000, pp. 153-165
	5	Lui, Anthony Y., et al., "The Enhanced Service Manager: A Service Management System for Next-Generation Networks," *Bell Labs Technical Journal*, July-September 2000, pp. 130-144
	6	Reisfield, E.S., "Customers Take Control of the AT&T Network," *AT&T Technology*, 1991; 6, 1; Research Library, pp. 44-48
	7	Sijben, Paul G., et al, "Bridging the Gap to IP Telephony," *Bell Labs Technical Journal*, October-December 1998, pp. 192-207

EXAMINER: /Creighton Smith/	DATE CONSIDERED: 12/08/2011

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.S./

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	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	12/13/2011								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
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	30	✓								
	31	✓								
	32	✓								
	33	✓								
	34	✓								
	35	✓								
	36	✓								

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	2614

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=	Allowed	÷	Restricted	I	Interference	O	Objected

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

CLAIM		DATE								
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	68	✓								
	69	✓								
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	71	✓								
	72	✓								

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	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	12/13/2011								
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	74	✓								
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	106	✓								
	107	✓								
	108	✓								

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	**Art Unit**
	CREIGHTON SMITH	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	12/13/2011								
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	118	✓								
	119	✓								
	120	✓								
	121	✓								
	122	✓								
	123	✓								

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12821119	WOOD ET AL.
	Examiner	Art Unit
	CREIGHTON SMITH	2614

SEARCHED			
Class	Subclass	Date	Examiner
370	352	13 DEC '11	chs

SEARCH NOTES		
Search Notes	Date	Examiner
EAST	13 DEC '11	chs

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	122	((@ad<="20000504") or (@rlad<="20000504")) and (packet adj switch$3 or web or internet or ip or internet adj protocol) and (pstn or circuit adj switch$3 or public adj switch$3 adj telephone adj network) and ((call adj process$3 or tac or tandem adj access adj controller) with (switch$3 or ssp) with (pstn or circuit adj switch$3)) and (call or contact or session or communication) with (originat$3 or transmi$5 or receiv$3) with (packet or internet or ip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/12/13 15:22
S1	260	((@ad<="20000504") (@rlad<="20000504")) and (packet near3 switch$3 or web or internet or ip or internet adj protocol) and (pstn or circuit adj switch$3 adj telephone adj network) and ((call adj process$3 or tac or tandem adj access adj controller) same (switch$3 or ssp) same (pstn or circuit adj switch$3)) and (call or contact or session or communication) with (originat$3 or transmi$5 or receiv$3) with (packet or internet or ip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/12/13 14:36
S2	260	((@ad<="20000504") or (@rlad<="20000504")) and (packet near3 switch$3 or web or internet or ip or internet adj protocol) and (pstn or circuit adj switch$3 adj telephone adj network) and ((call adj process$3 or tac or tandem adj access adj controller) same (switch$3 or ssp) same (pstn or circuit adj switch$3)) and (call or contact or session or communication) with (originat$3 or transmi$5 or receiv$3) with (packet or internet or ip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/12/13 14:37
S3	306	((@ad<="20000504") or (@rlad<="20000504")) and (packet adj switch$3 or web or internet or ip or internet adj protocol) and (pstn or circuit adj switch$3 or public adj switch$3 adj telephone adj network) and ((call adj process$3 or tac or tandem adj access adj controller) same (switch$3 or ssp) same (pstn or circuit adj switch$3)) and (call or contact or session or communication) with (originat$3 or transmi$5 or receiv$3) with (packet or internet or ip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/12/13 14:40

EAST Search History (Interference)

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12/13/2011 4:19:45 PM
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	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		2001/0022784A1	09-2001	Menon et al.	----------	----------	----------
		2001/0030950A1	10-2001	Chen et al.	----------	----------	----------
		2003/0026403A1	11-2007	Clapper	----------	----------	----------
		2003/0040325A1	02-2003	Clark	----------	----------	----------
		2003/0095650A1	05-2003	Mize	----------	----------	----------
		2003/0133553A1	07-2003	Khakoo et al.	----------	----------	----------
		2003/0156693A1	08-2003	Goldman	----------	----------	----------
		2003/0194078A1	10-2003	Wood et al.	----------	----------	----------
		2004/0029568A1	02-2004	DeLuca et al.	----------	----------	----------
		2004/0240657 A1	12-02-2004	Camarillo	379	221.02	----------
		2004/0264673 A1	12-30-2004	Novack	379	221.11	----------
		2005/0041526A1	02-2005	Esmersoy et al.	----------	----------	----------
		2005/0141500A1	06-2005	Bhandari et al.	----------	----------	----------
		2005/0169445A1	08-2005	Harris	----------	----------	----------
		2005/0207557A1	09-2005	Dolan et al.	----------	----------	----------
		4,100,377	07-1978	Flanagan	----------	----------	----------
		4,238,851	12-1980	Takahashi et al.	----------	----------	----------
		4,313,035	01-1982	Jordan et al.	----------	----------	----------
		4,348,554	09-1982	Asmuth	----------	----------	----------
		4,569,041	02-1986	Takeuchi et al.	----------	----------	----------
		4,608,685	08-1986	Jain et al.	----------	----------	----------
		4,611,094	09-1986	Asmuth et al.	----------	----------	----------

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		4,611,096	09-1986	Asmuth et al.	----------	----------	----------
		4,630,260	12-1986	Toy et al.	----------	----------	----------
		4,630,262	12-1986	Callens et al.	----------	----------	----------
		4,661,947	04-1987	Lea et al.	----------	----------	----------
		4,674,082	06-1987	Flanagin et al.	----------	----------	----------
		4,679,190	07-1987	Dias et al.	----------	----------	----------
		4,679,191	07-1987	Nelson et al.	----------	----------	----------
		4,707,831	11-1987	Weir, deceased et al.	----------	----------	----------
		4,715,026	12-1987	Eberspaecher	----------	----------	----------
		4,723,238	02-1988	Isreal et al.	----------	----------	----------
		4,757,497	07-1988	Beierle et al.	----------	----------	----------
		4,761,779	08-1988	Nara et al.	----------	----------	----------
		4,771,425	09-1988	Baran et al.	----------	----------	----------
		4,815,071	03-1989	Shimizu	----------	----------	----------
		4,819,228	04-1989	Baran et al.	----------	----------	----------
		4,862,451	08-1989	Closs et al.	----------	----------	----------
		4,866,704	09-1989	Bergman	----------	----------	----------
		4,872,159	10-1989	Hemmady et al.	----------	----------	----------
		4,872,160	10-1989	Hemmady et al.	----------	----------	----------
		4,885,739	12-1989	Read et al.	----------	----------	----------
		4,903,261	02-1990	Baran et al.	----------	----------	----------
		4,926,416	05-1990	Weik	----------	----------	----------

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		4,932,022	06-1990	Keeney et al.	----------	----------	----------
		4,933,931	06-1990	Kokubo	----------	----------	----------
		4,953,158	08-1990	Schreur	----------	----------	----------
		4,953,198	08-1990	Daly et al.	----------	----------	----------
		4,958,341	09-1990	Hemmady et al.	----------	----------	----------
		4,962,497	10-1990	Ferenc et al.	----------	----------	----------
		4,969,184	11-1990	Gordon et al.	----------	----------	----------
		4,970,721	11-1990	Aczel et al.	----------	----------	----------
		4,973,837	11-1990	Bradbeer	----------	----------	----------
		4,975,695	12-1990	Almond et al.	----------	----------	----------
		4,996,685	02-1991	Farese et al.	----------	----------	----------
		5,008,929	04-1991	Olsen et al.	----------	----------	----------
		5,014,266	05-1991	Bales et al.	----------	----------	----------
		5,018,136	05-1991	Gollub	----------	----------	----------
		5,020,058	05-1991	Holden et al.	----------	----------	----------
		5,022,071	06-1991	Mozer et al.	----------	----------	----------
		5,048,081	09-1991	Gavaras et al.	----------	----------	----------
		5,051,983	09-1991	Kammerl	----------	----------	----------
		5,093,827	03-1992	Franklin et al.	----------	----------	----------
		5,115,431	05-1992	Williams et al.	----------	----------	----------
		5,150,357	09-1992	Hopner et al.	----------	----------	----------
		5,157,662	10-1992	Tadamura et al.	----------	----------	----------

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		5,197,067	03-1993	Fujimoto et al.	----------	----------	----------
		5,208,806	05-1993	Hasegawa	----------	----------	----------
		5,218,602	06-1993	Grant et al.	----------	----------	----------
		5,231,633	07-1993	Hluchyj et al.	----------	----------	----------
		5,241,588	08-1993	Babson, III et al.	----------	----------	----------
		5,247,571	09-1993	Kay et al.	----------	----------	----------
		5,268,900	12-1993	Hluchyj et al.	----------	----------	----------
		5,274,635	12-1993	Rahman et al.	----------	----------	----------
		5,291,489	03-1994	Morgan et al.	----------	----------	----------
		5,297,191	03-1994	Gerszberg	----------	----------	----------
		5,301,189	04-1994	Schmidt et al	----------	----------	----------
		5,305,308	04-1994	English et al.	----------	----------	----------
		5,311,582	05-1994	Davenport et al.	----------	----------	----------
		5,327,428	07-1994	Van As et al.	----------	----------	----------
		5,341,374	08-1994	Lewen et al.	----------	----------	----------
		5,351,276	09-1994	Doll, Jr. et al.	----------	----------	----------
		5,351,286	09-1994	Nici	----------	----------	----------
		5,353,283	10-1994	Tsuchiya	----------	----------	----------
		5,359,598	10-1994	Steagall et al.	----------	----------	----------
		5,365,521	11-1994	Ohnishi et al.	----------	----------	----------
		5,379,293	01-1995	Kanno et al.	----------	----------	----------
		5,381,405	01-1995	Daugherty et al.	----------	----------	----------

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		5,381,466	01-1995	Shibayama et al.	----------	----------	----------
		5,383,183	01-1995	Yoshida	----------	----------	----------
		5,384,840	01-1995	Blatchford et al.	----------	----------	----------
		5,390,184	02-1995	Morris	----------	----------	----------
		5,396,491	03-1995	Newman	----------	----------	----------
		5,420,858	05-1995	Marshall et al.	----------	----------	----------
		5,422,882	06-1995	Hiller et al.	----------	----------	----------
		5,423,003	06-1995	Berteau	----------	----------	----------
		5,426,636	06-1995	Hiller et al.	----------	----------	----------
		5,428,607	06-1995	Hiller et al.	----------	----------	----------
		5,428,616	06-1995	Field et al.	----------	----------	----------
		5,428,663	06-1995	Grimes et al.	----------	----------	----------
		5,430,719	07-1995	Weisser, Jr.	----------	----------	----------
		5,434,913	07-1995	Tung et al.	----------	----------	----------
		5,436,898	07-1995	Bowen et al.	----------	----------	----------
		5,438,614	08-1995	Rozman et al.	----------	----------	----------
		5,444,709	08-1995	Riddle	----------	----------	----------
		5,448,623	09-1995	Wiedeman et al.	----------	----------	----------
		5,452,289	09-1995	Sharma et al.	----------	----------	----------
		5,453,986	09-1995	Davis et al.	----------	----------	----------
		5,455,853	10-1995	Cebulka et al.	----------	----------	----------
		5,457,684	10-1995	Bharucha et al.	----------	----------	----------

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		5,469,500	11-21-1995	Satter et al.	379	201	----------
		5,471,470	11-1995	Sharma et al.	----------	----------	----------
		5,471,616	11-1995	Johnson et al.	----------	----------	----------
		5,479,411	12-1995	Klein	----------	----------	----------
		5,485,457	01-1996	Aramaki	----------	----------	----------
		5,495,567	02-1996	Iizawa et al.	----------	----------	----------
		5,497,339	03-1996	Bernard	----------	----------	----------
		5,521,914	05-1996	Mavraganis et al.	----------	----------	----------
		5,526,353	06-1996	Henley et al.	----------	----------	----------
		5,537,403	07-1996	Cloonan et al.	----------	----------	----------
		5,541,917	07-1996	Farris	----------	----------	----------
		5,544,161	08-1996	Bigham et al.	----------	----------	----------
		5,544,163	08-1996	Madonna	----------	----------	----------
		5,544,164	08-1996	Baran	----------	----------	----------
		5,544,168	08-1996	Jeffrey et al.	----------	----------	----------
		5,553,063	09-1996	Dickson	----------	----------	----------
		5,557,658	09-1996	Gregorek et al.	----------	----------	----------
		5,563,937	10-1996	Bruno et al.	----------	----------	----------
		5,566,236	10-1996	MeLampy et al.	----------	----------	----------
		5,568,475	10-1996	Doshi et al.	----------	----------	----------
		5,570,355	10-1996	Dail et al.	----------	----------	----------
		5,572,583	11-1996	Wheeler, Jr. et al.	----------	----------	----------

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		5,577,038	11-1996	Miyahara	----------	----------	----------
		5,577,041	11-1996	Sharma et al.	----------	----------	----------
		5,579,308	11-1996	Humpleman	----------	----------	----------
		5,590,181	12-1996	Hogan et al.	----------	----------	----------
		5,592,477	01-1997	Farris et al.	----------	----------	----------
		5,592,538	01-1997	Kosowsky et al.	----------	----------	----------
		5,594,732	01-1997	Bell et al.	----------	----------	----------
		5,600,643	02-1997	Robrock, II	----------	----------	----------
		5,600,649	02-1997	Sharma et al.	----------	----------	----------
		5,602,991	02-1997	Berteau	----------	----------	----------
		5,604,737	02-1997	Iwami et al.	----------	----------	----------
		5,606,594	02-1997	Register et al.	----------	----------	----------
		5,608,786	03-1997	Gordon	----------	----------	----------
		5,613,069	03-1997	Walker	----------	----------	----------
		5,621,727	04-1997	Vaudreuil	----------	----------	----------
		5,625,677	04-1997	Feiertag et al.	----------	----------	----------
		5,628,004	051997	Gormley et al.	----------	----------	----------
		5,631,897	05-1997	Pacheco et al.	----------	----------	----------
		5,640,446	06-1997	Everett et al.	----------	----------	----------
		5,646,945	07-1997	Bergler	----------	----------	----------
		5,650,999	07-1997	Dickson	----------	----------	----------
		5,654,957	08-1997	Koyama	----------	----------	----------

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		5,659,541	08-1997	Chan	----------	----------	----------
		5,659,542	08-1997	Bell et al.	----------	----------	----------
		5,680,437	10-1997	Segal	----------	----------	----------
		5,684,799	11-1997	Bigham et al.	----------	----------	----------
		5,689,553	11-1997	Ahuja et al.	----------	----------	----------
		5,692,126	11-1997	Templeton et al.	----------	----------	----------
		5,701,301	12-1997	Weisser, Jr.	----------	----------	----------
		5,706,286	01-1998	Reiman et al.	----------	----------	----------
		5,710,769	01-1998	Anderson et al.	----------	----------	----------
		5,712,903	01-1998	Bartholomew et al.	----------	----------	----------
		5,712,908	01-1998	Brinkman et al.	----------	----------	----------
		5,724,412	03-1998	Srinivasan	----------	----------	----------
		5,727,057	03-1998	Emery et al.	----------	----------	----------
		5,729,544	03-1998	Lev et al.	----------	----------	----------
		5,732,074	03-1998	Spaur et al.	----------	----------	----------
		5,732,078	03-1998	Arango	----------	----------	----------
		5,732,216	03-1998	Logan et al.	----------	----------	----------
		5,737,320	04-1998	Madonna	----------	----------	----------
		5,737,331	04-1998	Hoppal et al.	----------	----------	----------
		5,737,333	04-1998	Civanlar et al.	----------	----------	----------
		5,737,533	04-1998	De Hond	----------	----------	----------
		5,740,164	04-1998	Liron	----------	----------	----------

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		5,740,231	04-1998	Cohn et al.	----------	----------	----------
		5,742,596	04-1998	Baratz et al.	----------	----------	----------
		5,742,905	04-1998	Pepe et al.	----------	----------	----------
		5,751,706	05-1998	Land et al.	----------	----------	----------
		5,751,968	05-1998	Cohen	----------	----------	----------
		5,754,641	05-1998	Voit et al.	----------	----------	----------
		5,764,628	06-1998	Davis et al.	----------	----------	----------
		5,764,736	06-1998	Shachar et al.	----------	----------	----------
		5,764,750	06-1998	Chau et al.	----------	----------	----------
		5,764,756	06-1998	Onweller	----------	----------	----------
		5,777,991	07-1998	Adachi et al.	----------	----------	----------
		5,790,538	08-1998	Sugar	----------	----------	----------
		5,793,762	08-1998	Penners et al.	----------	----------	----------
		5,793,771	08-1998	Darland et al.	----------	----------	----------
		5,799,072	08-1998	Vulcan et al.	----------	----------	----------
		5,799,154	08-1998	Kuriyan	----------	----------	----------
		5,802,160	09-1998	Kugell et al.	----------	----------	----------
		5,805,587	09-1998	Norris et al.	----------	----------	----------
		5,805,588	09-1998	Petersen	----------	----------	----------
		5,806,057	09-1998	Gormley et al.	----------	----------	----------
		5,809,022	09-1998	Byers et al.	----------	----------	----------
		5,809,128	09-1998	McMullin	----------	----------	----------

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		5,812,534	09-1998	Davis et al.	----------	----------	----------
		5,815,505	09-1998	Mills	----------	----------	----------
		5,818,912	10-1998	Hammond	----------	----------	----------
		5,825,771	10-1998	Cohen et al.	----------	----------	----------
		5,828,666	10-1998	Focsaneanu et al.	----------	----------	----------
		5,838,665	11-1998	Kahn et al.	----------	----------	----------
		5,850,433	12-1998	Rondeau	----------	----------	----------
		5,859,972	01-1999	Subramaniam et al.	----------	----------	----------
		5,867,494	02-1999	Krishnaswamy et al.	----------	----------	----------
		5,867,495	02-1999	Elliott et al.	----------	----------	----------
		5,875,405	02-1999	Honda	----------	----------	----------
		5,878,113	03-1999	Bhusari	----------	----------	----------
		5,878,418	03-1999	Polcyn et al.	----------	----------	----------
		5,881,060	03-1999	Morrow et al.	----------	----------	----------
		5,881,131	03-1999	Farris et al.	----------	----------	----------
		5,889,774	03-1999	Mirashrafi 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.	----------	----------	----------
		5,922,047	07-1999	Newlin et al.	----------	----------	----------

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	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		5,930,700	07-1999	Pepper et al.	----------	----------	----------
		5,933,490	08-1999	White et al.	----------	----------	----------
		5,933,778	08-1999	Buhrmann et al.	----------	----------	----------
		5,938,757	08-1999	Bertsch	----------	----------	----------
		5,946,386	08-1999	Rogers et al.	----------	----------	----------
		5,946,684	08-1999	Lund	----------	----------	----------
		5,953,392	09-1999	Rhie et al.	----------	----------	----------
		5,954,799	09-1999	Goheen et al.	----------	----------	----------
		5,958,016	09-1999	Chang et al.	----------	----------	----------
		5,960,340	09-1999	Fuentes	----------	----------	----------
		5,963,551	10-1999	Minko	----------	----------	----------
		5,970,059	10-1999	Ahopelto et al.	----------	----------	----------
		5,974,449	10-1999	Chang et al.	----------	----------	----------
		5,982,866	11-1999	Kowalski	----------	----------	----------
		5,991,291	11-1999	Asai et al.	----------	----------	----------
		5,991,394	11-1999	Dezonno et al.	----------	----------	----------
		5,999,525	12-1999	Krishnaswamy et al.	----------	----------	----------
		6,005,870	12-1999	Leung et al.	----------	----------	----------
		6,006,272	12-1999	Aravamudan et al.	----------	----------	----------
		6,009,469	12-1999	Mattaway et al.	----------	----------	----------
		6,012,088	01-2000	Li et al.	----------	----------	----------
		6,014,437	01-2000	Acker et al.	----------	----------	----------

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		6,020,916	02-2000	Gerszberg et al.	----------	----------	----------
		6,026,083	02-2000	Albrow et al.	----------	----------	----------
		6,028,917	02-2000	Creamer et al.	----------	----------	----------
		6,031,836	02-2000	Haserodt	----------	----------	----------
		6,031,904	02-2000	An et al.	----------	----------	----------
		6,041,325	03-2000	Shah et al.	----------	----------	----------
		6,044,403	03-2000	Gerszberg et al.	----------	----------	----------
		6,069,890	05-2000	White 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	----------	----------	----------
		6,134,235	10-2000	Goldman et al.	----------	----------	----------
		6,141,341	10-2000	Jones et al.	----------	----------	----------
		6,161,128	12-2000	Smyk	----------	----------	----------
		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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		6,216,158	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.	----------	----------	----------
		6,266,539	07-2001	Pardo	----------	----------	----------
		6,278,707	08-2001	MacMillan et al.	----------	----------	----------
		6,301,609	10-2001	Aravamudan et al.	----------	----------	----------
		6,308,201	10-2001	Pivowar et al.	----------	----------	----------
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		6,327,258	12-2001	Deschaine et al.	----------	----------	----------
		6,327,258	12-04-2001	Deschaine et al.	370	356	----------
		6,334,126	12-2001	Nagatomo et al.	----------	----------	----------
		6,337,858	01-2002	Petty et al.	----------	----------	----------
		6,339,594	01-2002	Civanlar et al.	----------	----------	----------
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		6,381,323	04-2002	Schwab 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.	----------	----------	----------

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		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.	----------	----------	----------
		6,459,780	10-2002	Wurster 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.	----------	----------	----------
		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.	----------	----------	----------
		6,614,781	09-2003	Elliott et al.	----------	----------	----------
		6,643,282	11-04-2003	Christie	370	352	----------
		6,650,901	11-2003	Shuster et al.	----------	----------	----------
		6,681,252	01-2004	Shuster et al.	----------	----------	----------
		6,697,461	02-2004	Middleswarth et al.	----------	----------	----------

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		6,731,630	05-2004	Shuster et al.	----------	----------	----------
		6,741,586	05-2004	Shuster et al.	----------	----------	----------
		6,744,759	06-2004	Sidhu	----------	----------	----------
		6,785,266	08-2004	Swartz	----------	----------	----------
		6,788,775	09-2004	Simpson	----------	----------	----------
		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	Liljestrand et al.	----------	----------	----------
		6,856,616	02-2005	Shuster et al.	----------	----------	----------
		6,857,021	02-2005	Shuster et al.	----------	----------	----------
		6,857,072	02-2005	Shuster et al.	----------	----------	----------
		6,870,830	03-2005	Shuster et al.	----------	----------	----------
		6,914,897	07-2005	Shuster et al.	----------	----------	----------
		6,937,699	08-2005	Shuster et al.	----------	----------	----------
		6,956,941	10-2005	Duncan et al.	----------	----------	----------
		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	----------
		H1641	04-1997	Sharman	----------	----------	----------

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	TRANSLATION NO
		DE 19813179	09-1999	DE	----------	----------	X	
		EP 0 578 374	01-1994	EP	----------	----------		
		EP 0 704 788	04-1996	EP	----------	----------		
		EP 0 738 093	10-1996	EP	----------	----------		
		EP 0 789 470	08-1997	EP	----------	----------		
		EP 0 794 650	09-1997	EP	----------	----------		
		EP 0 797 373	09-1997	EP	----------	----------		
		EP 0 824 298	02-1998	EP	----------	----------		
		EP 0 829 995	03-1998	EP	----------	----------		
		EP 0 841 831	05-1998	EP	----------	----------		
		EP 0 847 176	06-1998	EP	----------	----------		
		EP 0 851 653	07-1998	EP	----------	----------		
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		EP 0 858 202	08-1998	EP	----------	----------		
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		EP 0 872 998	10-1998	EP	----------	----------		
		EP 0 881 848 A2	12-1998	EP	----------	----------		
		EP 0 898 431	02-1999	EP	----------	----------		
		EP 0 918 423	10-1998	EP	----------	----------		
		GB 2 315 190 A	01-1998	GB	----------	----------		

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
		JP 10-164135	06-1998	JP	----------	----------	Yes, Eng. Abs. only	
		JP 10-164257	06-1998	JP	----------	----------	Yes, Eng. Abs. only	
		JP 10-023067	01-1998	JP	----------	----------	Yes, Eng. Abs. only	
		JP 10-051453	02-1998	JP	----------	----------	Yes, Eng. Abs. only	
		WO 94/05111	03-1994	WO	----------	----------		
		WO 95/34985	12-1995	WO	----------	----------		
		WO 96/08935	03-1996	WO	----------	----------		
		WO 96/15598	05-1996	WO	----------	----------		
		WO 97/14234	04-1997	WO	----------	----------		
		WO 97/14238	04-1997	WO	----------	----------		
		WO 97/16007	05-1997	WO	----------	----------		
		WO 97/22216	06-1997	WO	----------	----------		
		WO 97/23078	06-1997	WO	----------	----------		
		WO 97/27692	07-1997	WO	----------	----------		
		WO 97/28628	08-1997	WO	----------	----------		
		WO 97/29581	08-1997	WO	----------	----------		
		WO 97/31492	08-1997	WO	----------	----------		
		WO 97/33412	09-1997	WO	----------	----------		

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		WO 97/33421	09-1997	WO	----------	----------		
		WO 97/38511	10-1997	WO	----------	----------		
		WO 97/38551	10-1997	WO	----------	----------		
		WO 97/39560	10-1997	WO	----------	----------		
		WO 97/44943	11-1997	WO	----------	----------		
		WO 97/46073	12-1997	WO	----------	----------		
		WO 97/47118	12-1997	WO	----------	----------		
		WO 97/50217	12-1997	WO	----------	----------		
		WO 97/50271	12-1997	WO	----------	----------		
		WO 97/50277	12-1997	WO	----------	----------		
		WO 98/00988	01-1998	WO	----------	----------		
		WO 98/04065	01-1998	WO	----------	----------		
		WO 98/04989	02-1998	WO	----------	----------		
		WO 98/10538	03-1998	WO	----------	----------		
		WO 98/11704	03-1998	WO	----------	----------		
		WO 98/12860	03-1998	WO	----------	----------		
		WO 98/13974	04-1998	WO	----------	----------		
		WO 98/16051	04-1998	WO	----------	----------		
		WO 98/18238	04-1998	WO	----------	----------		
		WO 98/18289	04-1998	WO	----------	----------		
		WO 98/19425	05-1998	WO	----------	----------		
		WO 98/19445	05-1998	WO	----------	----------		

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		WO 98/20701	05-1998	WO	----------	----------		
		WO 98/21911	05-1998	WO	----------	----------		
		WO 98/23067	05-1998	WO	----------	----------		
		WO 98/23080	05-1998	WO	----------	----------		
		WO 98/26543	06-1998	WO	----------	----------		
		WO 98/28885	07-1998	WO	----------	----------		
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		WO 98/34391	08-1998	WO	----------	----------		
		WO 98/34399	08-1998	WO	----------	----------		
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		WO 98/39897	09-1998	WO	----------	----------		
		WO 98/42104	09-1998	WO	----------	----------		
		WO 98/42107	09-1998	WO	----------	----------		
		WO 98/42146	09-1998	WO	----------	----------		
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		WO 98/51063	11-1998	WO	----------	----------		
		WO 99/12365	03-1999	WO	----------	----------		
		WO 99/19988	04-1999	WO	----------	----------		
		WO 99/20059	04-1999	WO	----------	----------		

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		WO 99/35802	07-1999	WO	----------	----------		
		WO 99/45687	09-1999	WO	----------	----------		
		WO 01/024496	04-2001	WO	----------	----------		
		WO 01/024498	04-2001	WO	----------	----------		
		WO 01/024500	04-2001	WO	----------	----------		
		WO 01/024501	04-2001	WO	----------	----------		
		WO 01/024502	04-2001	WO	----------	----------		
		WO 01/024503	04-2001	WO	----------	----------		
		WO 01/05078	01-2001	WO	----------	----------		
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	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
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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	ADC Telecommunications; SS7 New Net SS7 Tutorial; Copyright 1999.

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	11	Mary Carmichael, "Calls That Follow you Anywhere" Newsweek, April 28, 2003, page 43.
	12	European Search Report, 3 pages, from European Application No. 04252483.5 (EP Patent No. 1473947B1).
	13	U.S. patent application Ser. No. 09/406,322, Schuster et al., filed Sep. 27, 1999
	14	U.S. patent application Ser. No. 09/515,798, Schuster et al., filed Feb. 29, 2000

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	**Customer No.:** 49,637
Samuel F. WOOD, et al.	**Confirmation No.:** 3386
Serial No.: 12/821,119	**Group Art Unit:** 2614
Filed: June 22, 2010	**Examiner:** Kuntz, Curtis A.
For: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES	**Docket No.:** TLM-103C1CON4

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

PRELIMINARY AMENDMENT

Dear Sir:

Prior to examination of this application, please amend the application as shown herein.

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

Remarks/Arguments begin on page 24 of this paper.

IN THE CLAIMS:

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

1. (Currently Amended) A method performed by ~~a web-enabled~~ one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one ~~circuit-switched~~ packet network and a ~~packet~~ second network coupled to a switching facility of a ~~in a~~ communication network, the ~~circuit-switched~~ communications network 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 for enabling voice communication from a calling party to a called party across both the packet ~~circuit-switched~~ network and ~~a packet~~ the second network, the method comprising the steps of:

receiving a call request originated by the calling party via the packet network, at the ~~web-enabled~~ call processing system, the calling party using a communication device to originate the call for the purpose of initiating voice communication, the ~~web-enabled~~ call processing system coupled to at least one switching facility of the ~~circuit-switched~~ communications network via the second network, the ~~web-enabled~~ call processing system processing the call across the packet network and the communications ~~circuit-switched~~ network to complete the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is completed, across both the packet network and the ~~circuit-switched~~ second network.

2. (Currently Amended) A method as defined in claim 1, wherein either the calling party or the called party is a subscriber of the ~~web-enabled~~ one or more web servers coupled to a call processing system.

3. (Original) A method as defined in claim 2, further comprising the step of:

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. (Original) A method as defined in 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) A method as defined in claim 1, wherein when one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the ~~web-enabled~~ call processing system, and the ~~web-enabled~~ call processing system abandons the other calls.

6. (Original) A method as defined in claim 5, wherein the answer supervision is pursuant to the SS7 signaling protocol.

7. (Currently Amended) A method as defined in claim 1, wherein the ~~web-enabled~~ call processing system is ~~connected~~ coupled to the switching facility, which is a PSTN tandem switch within the communication network, which is a public switched telephone network (PSTN), and wherein receiving the 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, the web-enabled

processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

8. (Currently Amended) A method as defined in claim 2, further comprising the step of:

identifying one or more control criteria previously associated with the subscriber, wherein the one or more control criteria previously provided ~~via a web-based interface~~ to the web server, and completing the call in accordance with the control criteria associated with the subscriber and establishing the voice communication only in accordance with the control criteria.

9. (Original) A method as defined in claim 1, wherein the communication network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

10. (Original) A method as defined in claim 1, wherein the communication device is a digital device.

11. (Currently Amended) A method as defined in claim 1, wherein the ~~web-enabled~~ call processing system is implemented using a distributed architecture spanning at least two locations.

12. (Currently Amended) A method as defined in claim 1, wherein the ~~web-enabled~~ call processing system utilizes a programmed processor utilizing the TDM architecture.

13. (Currently Amended) A method as defined in claim 1, wherein the ~~web-enabled~~ call processing system utilizes a programmed processor utilizing packet switching.

14. (Currently Amended) A method as defined in claim 1, wherein the ~~web-enabled~~ call processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

15. (Original) A method as defined in claim 1, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

16. (Currently Amended) A method as defined in claim 15, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the ~~circuit-switched~~ second network.

17. (Currently Amended) A method as defined in claim 1, wherein the ~~web-enabled~~ call processing system is located within a local service area corresponding to the specified recipient.

18. (Currently Amended) A method as defined in claim 1, wherein the ~~web-enabled~~ call processing system is configured as a tandem access controller.

19. (Original) A method as defined in claim 18, 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.

20. (Original) A method as defined in claim 1, wherein at least a portion of the call is completed over a wireless link.

21. (Original) A method as defined in claim 1, 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, and an information appliance.

22. (Original) A method as defined in claim 1, wherein the communication network comprises a network of switching facilities performing a class 4 switching function.

23. (Original) A method as defined in claim 1, wherein the communication network comprises a network of class 4 switches.

24. (Currently Amended) A method as defined in claim 1, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system 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~~.

25. (Currently Amended) A method as defined in claim 1, wherein the ~~tandem switch~~ switching facility utilizes a TDM switching matrix.

26. (Currently Amended) A method as defined in claim 1, wherein the ~~tandem switch~~ switching facility utilizes an ATM switching matrix.

27. (Currently Amended) A method as defined in claim 1, wherein the ~~tandem switch~~ switching facility utilizes a crosspoint switching matrix.

28. (Currently Amended) A method as defined in claim 1, wherein the ~~tandem switch~~ switching facility utilizes a VOIP switching matrix.

29. (Original) A method for routing calls from a calling party to a called party performed by a web-enabled processing system serving as an intelligent interconnection between at least one packet network and a circuit-switched network in a communication network, the circuit-switched network 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 for enabling voice communication from the calling party to the called party across both the packet network and the circuit-switched network, the method comprising the steps of:

receiving a call originated by the calling party via the packet network, at the web-enabled processing system, the calling party using a communication device to originate the call for the purpose of initiating the voice communication, the web-enabled processing system coupled to at least one switching facility of the circuit-switched network, the web-enabled processing system processing the call across the circuit-switched network and at least one packet network to connect the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is connected, across both the packet network and the circuit-switched network.

30. (Original) A method as defined in claim 29, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

31. (Original) A method as defined in claim 29, wherein the web-enabled processing system is configured to perform enhanced routing operations, further comprising the steps of:

facilitating selection of at least one calling feature by the subscriber, the web-enabled processing system configured to perform the steps of:

upon receiving the call from the calling party, using the communications device to implement a calling feature previously designated by the 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.

32. (Original) A method as defined in claim 29, wherein the subscriber is a subscriber of residential telephone service.

33. (Original) A method as defined in claim 29, wherein the subscriber is a subscriber of business telephone service.

34. (Currently Amended) A method as defined in claim 29 ~~25~~, wherein the ~~tandem switch~~ switching facility utilizes a TDM switching matrix.

35. (Currently Amended) A method as defined in claim 29 ~~25~~, wherein the ~~tandem switch~~ switching facility utilizes an ATM switching matrix.

36. (Currently Amended) A method as defined in claim 29 ~~25~~, wherein the ~~tandem switch~~ switching facility utilizes a crosspoint switching matrix.

37. (Currently Amended) A method as defined in claim 29 ~~25~~, wherein the ~~tandem switch~~ switching facility utilizes a VOIP switching matrix.

38. (Original) A method performed by a web-enabled processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a communication network, the circuit-switched network 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 for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the method comprising the steps of:

receiving a call originated by the calling party via the circuit-switched network, at the web-enabled processing system, the calling party using a communication device to originate the call for the purpose of initiating voice communication, the web-enabled processing system coupled to at least one switching facility of the circuit-switched network, the web-enabled processing system processing the call across the circuit-switched network and the packet network to complete the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is completed, across both the circuit-switched network and the packet network.

39. (Original) A method as defined in claim 38, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

40. (Original) A method as defined in claim 39, further comprising the step of:

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.

41. (Original) A method as defined in claim 38, wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

42. (Original) A method as defined in claim 38, wherein one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the processing system, and the processing system abandons the other calls.

43. (Original) A method as defined in claim 42, wherein the answer supervision signal is pursuant to the SS7 signaling protocol.

44. (Original) A method as defined in claim 38, 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), 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.

45. (Original) A method as defined in claim 39, further comprising the step of:

identifying one or more control criteria previously associated with the subscriber, wherein the one or more control criteria was entered via a web-based interface, and completing the call in accordance with the control criteria associated with the subscriber and establishing the voice communication only in accordance with the control criteria.

46. (Original) A method as defined in claim 38, wherein the communication network further comprises any one or more of a circuit-switched network, a packet-based network, and a wireless network.

47. (Original) A method as defined in claim 38, wherein the communication device is a digital device.

48. (Original) A method as defined in claim 38, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

49. (Original) A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

50. (Original) A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

51. (Original) A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

52. (Original) A method as defined in claim 38, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

53. (Original) A method as defined in claim 38, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

54. (Original) A method as defined in claim 38, wherein the web-enabled processing system is located within a local service area corresponding to the specified recipient.

55. (Original) A method as defined in claim 38, wherein the web-enabled processing system is configured as a tandem access controller.

56. (Original) A method as defined in claim 55, 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.

57. (Original) A method as defined in claim 38, wherein at least a portion of the call is completed over a wireless link.

58. (Original) A method as defined in claim 38, 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, and an information appliance.

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

60. (Original) A method as defined in claim 38, wherein the communication network comprises a network of class 4 switches.

61. (Currently Amended) A method as defined in claim 38, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system 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~~.

61. (Canceled)

62. (Currently Amended) A method as defined in claim 38, wherein the ~~tandem switch~~ switching facility utilizes an ATM switching matrix.

63. (Currently Amended) A method as defined in claim 38, wherein the ~~tandem switch~~ switching facility utilizes a crosspoint switching matrix.

64. (Currently Amended) A method as defined in claim 38, wherein the ~~tandem switch~~ switching facility utilizes a VOIP switching matrix.

65. (Original) A communication network with an improved architecture comprising a web-enabled processing system serving as an intelligent interconnection between at least one

circuit-switched network and a packet network in a communication network, the circuit-switched network 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 for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the communication network comprising:

an interface capability within the web-enabled processing system for receiving a call originated by the calling party via the packet network, the call originated by the calling party via a communication device for the purpose of initiating voice communication, the web-enabled processing system coupled to at least one switching facility of the circuit-switched network;

a call processing capability within the web-enabled processing system for processing the call across the packet network and the circuit-switched network to complete the call to the called party; and

a capability within the web-enabled processing system for establishing the voice communication between the calling party and the called party after the call is completed, across both the packet network and the circuit-switched network.

66. (Original) A communication network as defined in claim 65, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

67. (Original) A communication network as defined in claim 66, wherein the interface capability detects a first information about the source of the call and associates 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 wherein the interface capability simultaneously places at least two calls to at least two communications devices.

68. (Original) A communication network as defined in claim 66, wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

69. (Original) A communication network as defined in claim 67, 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 abandons the other calls.

70. (Original) A communication network as defined in claim 69, wherein the answer supervision signal is pursuant to the SS7 signaling protocol.

71. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system is connected to the switching facility, which is a PSTN tandem switch within the communication network, and wherein the interface capability receives a call from the calling party by 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, and the web-enabled processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

72. (Original) A communication network as defined in claim 71, wherein the subscriber's public telephone number is selected via the WEB.

73. (Original) A communication network as defined in claim 71, wherein the web-enabled processing system is configured to accept one or more control criteria previously associated with the subscriber, wherein the subscriber has the capability to request the one or more control criteria via a web-based interface, and wherein the web-enabled processing system is configured to complete the call in accordance with the control criteria associated with the subscriber and to establish the voice communication only in accordance with the control criteria.

74. (Original) A communication network as defined in claim 65, wherein the communication network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

75. (Original) A communication network as defined in claim 65, wherein the communication device is a digital device.

76. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

77. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

78. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

79. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

80. (Original) A communication network as defined in claim 65, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

81. (Original) A communication network as defined in claim 80, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

82. (Original) A communication network as defined in claim 80, wherein the web-enabled processing system is located within a local service area corresponding to the specified recipient.

83. (Original) A communication network as defined in claim 80, wherein the web-enabled processing system is configured as a tandem access controller.

84. (Original) A method as defined in claim 83, 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.

85. (Original) A method as defined in claim 80, wherein at least a portion of the call is completed over a wireless link.

86. (Original) A method as defined in claim 80, 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, and an information appliance.

87. (Original) A method as defined in claim 80, wherein the communication network comprises a network of switching facilities performing a class 4 switching function.

88. (Original) A method as defined in claim 80, wherein the communication network comprises a network of class 4 switches.

89. (Currently Amended) A method as defined in claim 80, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system 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~~.

90. (Currently Amended) A method as defined in claim 65, wherein the ~~tandem switch~~ switching facility utilizes a TDM switching matrix.

91. (Currently Amended) A method as defined in claim 65, wherein the ~~tandem switch~~ switching facility utilizes an ATM switching matrix.

92. (Currently Amendmed) A method as defined in claim 65, wherein the ~~tandem switch~~ switching facility utilizes a crosspoint switching matrix.

93. (Original) A method as defined in claim 65, wherein the tandem switch utilizes a VOIP switching matrix.

94. (Currently Amended) A communication network comprising a web-enabled processing system including one or more web servers coupled to a call processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet

network in a communication network, the circuit-switched network comprising edge switches for routing calls from and to subscribers within a local geographic area and ~~switching facilities~~ tandem switches for routing calls to other edge switches or other ~~switching facilities~~ tandem switches local or in other geographic areas, the method for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the communication network comprising:

an interface capability within the web-enabled processing system for receiving a call originated by the calling party via the circuit-switched network, the call originated by the calling party via a communication device for the purpose of initiating voice communication, the web-enabled processing system coupled to at least one switching facility of the circuit-switched network;

a call processing capability within the web-enabled processing system for processing the call across the circuit-switched network and at least one packet network to complete the call to the called party; and

a capability within the web-enabled processing system for establishing the voice communication between the calling party and the called party after the call is completed, across both the circuit-switched network and the at least one packet network.

95. (Original) A communication network as defined in claim 94, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

96. (Original) A communication network as defined in claim 95, wherein the subscriber's public telephone number is selected via the WEB.

97. (Original) A communication network as defined in claim 95, wherein the interface capability detects a first information about the source of the call and associates 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 wherein the interface capability simultaneously places at least two calls to at least two communications devices.

98. (Original) A communication network as defined in claim 66, wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

99. (Original) A communication network as define in claim 67, 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 abandons the other calls.

100. (Original) A communication network as defined in claim 69, wherein the answer supervision is pursuant to the SS7 signaling protocol.

101. (Original) A communication network as defined in claim 65, 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), and wherein the interface capability receives a call from the calling party by 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, and the web-enabled processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

102. (Original) A communication network as defined in claim 71, wherein the web-enabled processing system is configured to accept one or more control criteria previously associated with the subscriber, wherein the subscriber has the capability to request the one or more control criteria via a web-based interface, and wherein the web-enabled processing system is configured to complete the call in accordance with the control criteria associated with the subscriber and to establish the voice communication only in accordance with the control criteria.

103. (Original) A communication network as defined in claim 65, wherein the communication network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

104. (Original) A communication network as defined in claim 65, wherein the communication device is a digital device.

105. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

106. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

107. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

108. (Original) A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

109. (Original) A communication network as defined in claim 65, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

110. (Original) A communication network as defined in claim 109, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

111. (Original) A communication network as defined in claim 109, wherein the web-enabled processing system is located within a local service area corresponding to the specified recipient.

112. (Original) A communication network as defined in claim 109, wherein the web-enabled processing system is configured as a tandem access controller.

113. (Original) A method as defined in claim 112, 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.

114. (Original) A method as defined in claim 109, wherein at least a portion of the call is completed over a wireless link.

115. (Original) A method as defined in claim 109, 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, and an information appliance.

116. (Original) A method as defined in claim 109, wherein the communication network comprises a network of switching facilities performing a class 4 switching function.

117. (Original) A method as defined in claim 109, wherein the communication network comprises a network of class 4 switches.

118. (Currently Amended) A method as defined in claim 109, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system 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~~.

119. (Original) A method as defined in claim 94, wherein the tandem switch utilizes a TDM switching matrix.

120. (Original) A method as defined in claim 94, wherein the tandem switch utilizes an ATM switching matrix.

121. (Original) A method as defined in claim 94, wherein the tandem switch utilizes a crosspoint switching matrix.

122. (Original) A method as defined in claim 94, wherein the tandem switch utilizes a VOIP switching matrix.

123. (New) A method as defined in claim 38, wherein the switching facility utilizes a TDM switching matrix.

REMARKS

By this preliminary amendment, Applicants have amended claims 1, 2, 5, 7, 8, 11-14, 16-18, 24-28, 34-37, 61-64, 89-92, 94, 118 for the Examiner's consideration. Applicants noted that the claims were inadvertently misnumbered, with two claims 61, an independent claim 61 and a dependent claim 61. Accordingly, the second claim 61, dependent on claim 38 is canceled, without prejudice, and introduced as new claim 123.

Favorable consideration and allowance of these claims is respectfully requested.

Respectfully submitted,

BERRY & ASSOCIATES P.C.

Dated: November 9, 2011

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

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

Electronic Acknowledgement Receipt

EFS ID:	11375367
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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-103C1CON4
Receipt Date:	09-NOV-2011
Filing Date:	22-JUN-2010
Time Stamp:	23:12:45
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		TLM-103C1CON4_Preliminary_Amendment_final_11-9-11.pdf	97259 9c181063a5bd56616e7146af438adf1528f848e4	yes	24

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Preliminary Amendment	1	1
	Claims	2	23
	Applicant Arguments/Remarks Made in an Amendment	24	24
Warnings:			
Information:			
	Total Files Size (in bytes):	97259	

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.

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
12/821,119	06/22/2010	

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY ☒ RATE ($)	SMALL ENTITY ☒ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	11/09/2011	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 123	Minus	** 123	= 0	X $30 =	0	OR	X $ =	
	Independent (37 CFR 1.16(h))	* 5	Minus	***5	= 0	X $125 =	0	OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE	

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/FELICIA R. FARMER/

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1CON4	SERIAL NO. 12/821,119
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		4,310,726	01-12-1982	Asmuth	179	18	02-04-1980
		5,673,262	09-30-1997	Shimizu	370	395	11-07-1995
		5,848,140	12-08-1998	Foladare et al.	379	201	12-29-1995
		5,991,310	07-09-1997	Katko	370	522	07-09-1997
		2007/0041526	02-2007	Hill et al.	379	88.21	10-27-2006

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		
	1	Dowden, Douglas C., et al., "The Future of Network-Provided Communications Services," *Bell Labs Technical Journal*, July-September 2000, pp. 3-10
	2	Foard, C.F., "Teaming Switches and Computers for Customer Applications," *AT&T Technology*, 1991; 6, 4; Research Library, pp. 32-38
	3	Foster, Robin Harris, "Computer-Telephone Integration Goes Global," *AT&T Technology*, Autumn 1995; 10, 3; Research Library , pp. 18-22
	4	Kozik, Jack, et al., "On Opening PSTN to Enhanced Voice/Data Services – The PINT Protocol Solution," *Bell Labs Technical Journal*, July-September 2000, pp. 153-165
	5	Lui, Anthony Y., et al., "The Enhanced Service Manager: A Service Management System for Next-Generation Networks," *Bell Labs Technical Journal*, July-September 2000, pp. 130-144
	6	Reisfield, E.S., "Customers Take Control of the AT&T Network," *AT&T Technology*, 1991; 6, 1; Research Library, pp. 44-48
	7	Sijben, Paul G., et al, "Bridging the Gap to IP Telephony," *Bell Labs Technical Journal*, October-December 1998, pp. 192-207

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:	10732260
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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-103C1CON4
Receipt Date:	15-AUG-2011
Filing Date:	22-JUN-2010
Time Stamp:	00:19:16
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		TLM-103C1CON4_IDS_before_OA_8-15-11_final.pdf	91757 77d7258282903bc26fdb812367bb0e3b1ecb344a	yes	6

	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	5	
	Information Disclosure Statement (IDS) Form (SB08)		6	6	
Warnings:					
Information:					
2	Non Patent Literature	1_Dowden_et_alEFS.pdf	3043566 64b7dd2f79283cafb54b4820747e5ec010b76fa9	no	8
Warnings:					
Information:					
3	Non Patent Literature	2_FoardEFS.pdf	1121821 1cc0ad966d29c09034619d043bcbe4382d0932a6	no	7
Warnings:					
Information:					
4	Non Patent Literature	3_FosterEFS.pdf	1127036 2f8b5193da00f97c8e14aa92514d98b584db5416	no	5
Warnings:					
Information:					
5	Non Patent Literature	4_Kozik_et_alEFS.pdf	4271696 6dff9243caa07e5d424bb78aca74be0c73687b51	no	13
Warnings:					
Information:					
6	Non Patent Literature	5_Lui_et_alEFS.pdf	4670475 de9f3ed088d5bc487e8ef40c5d794cbea993045c	no	15
Warnings:					
Information:					
7	Non Patent Literature	6_ReisfieldEFS.pdf	1247566 cb6aead0d2cd8454ebdd7df8a2ec9b2d81689dfd	no	5
Warnings:					
Information:					
8	Non Patent Literature	7_Sijben_et_alEFS.pdf	3072587 a3a95926969696953f08580d8defed4cfb05cdc7	no	16
Warnings:					
Information:					
		Total Files Size (in bytes):	18646504		

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	**Customer No.:** 49,637
Samuel F. WOOD, et al.	**Confirmation No.:** 3386
Serial No.: 12/821,119	**Group Art Unit:** 2614
Filed: June 22, 2010	**Examiner:** Kuntz, Curtis A.
For: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES	**Docket No.:** TLM-103C1CON4

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b)

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

Sir:

In compliance with the continuing duty of disclosure under 37 CFR § 1.56, 37 CFR §§ 1.97, and 1.98, Applicants bring the following documents to the attention of the Examiner, which may be of possible interest to the subject matter of this application. Each of these documents is also listed on the attached form PTO-1449. Applicants are providing copies of the listed documents, except for U.S. patents and U.S. patent application publications, which Applicants assume are easily available to the Examiner. In the event the Examiner would like copies of these patents and patent application publications, the Examiner is requested to kindly advise the undersigned. Applicants respectfully request the Examiner to consider and make these documents of record with respect to this application.

U.S. Patents & Patent Application Publications:

U.S. Patent	**Issue/Publication Date**	**Inventor(s)**
4,310,726	01-12-1982	Asmuth
5,673,262	09-30-1997	Shimizu
5,848,140	12-08-1998	Foladare et al.
5,991,310	07-09-1997	Katko
2007/0041526	02-2007	Hill et al.

1. U.S. Patent No. 4,310,726 -Method of Identifying a Calling Station at a Call Terminating Facility
Asmuth

This patent discloses a method of creating a database of call stations and routing calls to an identified called party and providing the identity of a calling Station to a call terminating facility.

2. U.S. Patent No. 5,673,262 - Communication Network comprising transit Switches without Asynchronous transfer Mode Capability
Shimizu

This patent discloses a communication system comprising an ATM (Asynchronous Transfer Mode) cross-connect and a signaling network. This patent also discloses methods for managing the signaling network and the communication bandwidth.

3. U.S. Patent No. 5,848,140 - Multi-Network Feature Application
Foladare

This patent discloses a method for a carrier to apply its services to a user that may originate from a different carrier. With this method, calls route all the way to the end office.

4. U.S. Patent No. 5,991,310 -Method and Apparatus for Bypassing Local Exchange Carriers to Permit an Independent Central Office to Provide Calling Services.
Katko

This patent addresses a method and technique for bypassing a LEC (Local Exchange Carrier) in order to reduce or eliminate the access charges typically payable to an IXC (Interexchange Carrier), which reduces subscriber costs. This patent is directed to network control and ways of connecting to the requisite facilities.

5. U.S. Patent Publication US2007/0041526 A1-System and Method for Privacy Management Hill et al

This published patent application discloses a privacy management system and method, whereby callers can manage and monitor their inbound calls and segregate between calls that are desired and those that are not. This published patent application is a continuation of several patent applications, which share the same specification, and have issued under Patent Nos. 6,542,596, 6,876,735, 7,136,472. This published patent application and its issued parent patents disclose a caller ID tagging feature.

Note: U.S. Patent No. 7,436,851, cited in an information disclosure statement submitted on June 7, 2010, inadvertently defined ATM as "Automated Teller Machine" instead of "Asynchronous Transfer Mode." This reference describes using ATM (Asynchronous Transfer Mode) and other transmission facilities for routing within IP or PSTN networks.

Other References:

1 Dowden, Douglas C., et al., "The Future of Network-Provided Communications Services," Bell Labs Technical Journal, July-September 2000, pp. 3-10

This article announces the next generation of services that will be enabled by endpoint intelligent servers. The article is an overview of the new services and is published after Applicants' filing date. This article is not prior art, and is cited simply to inform on emerging technologies.

2 Foard, C.F., "Teaming Switches and Computers for Customer Applications," AT&T Technology, 1991; 6, 4; Research Library, pp. 32-38

This article discusses new integration schemes of computers into PBXs. It discusses the many benefits that such integration of computers and PBXs would bring.

3 Foster, Robin Harris, "Computer-Telephone Integration Goes Global," AT&T Technology, Autumn 1995; 10, 3; Research Library, pp. 18-22

This article discloses new integration schemes of computer and telephony and the benefits obtained in the future from such integration. The article highlights Call Center applications.

4 Kozik, Jack, et al., "On Opening PSTN to Enhanced Voice/Data Services – The PINT Protocol Solution," Bell Labs Technical Journal, July-September 2000, pp. 153-165

This article discloses suggested protocols for connecting the PSTN to the internet. It is published after Applicants' filing date. This article is not prior art, and is cited simply to inform on emerging technologies.

5 Lui, Anthony Y., et al., "The Enhanced Service Manager: A Service Management System for Next-Generation Networks," Bell Labs Technical Journal, July-September 2000, pp. 130-144

This article discusses the next generation of intelligent networks and their architectures and benefits. Their architectures are different. Moreover, this article is published after Applicants' filing date and therefore, it is not prior art. It is disclosed here simply to inform on emerging trends.

6 Reisfield, E.S., "Customers Take Control of the AT&T Network," AT&T Technology, 1991; 6, 1; Research Library, pp. 44-48

This article discusses a product offering from AT& T, "The Accumasters Services Workstation," which gives users the ability, e.g., to monitor their inbound traffic and use the SDN (Software Defined Network) tools from AT&T. The article is an overview of the new services that were offered then.

7 Sijben, Paul G., et al, "Bridging the Gap to IP Telephony," Bell Labs Technical Journal, October-December 1998, pp. 192-207

This article discloses suggested protocols for connecting the PSTN to the internet and managing the converged network.

This Supplemental Information Disclosure Statement is submitted under 37 CFR § 1.97(b)(3), that is, before mailing of a first office action on the merits. 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,

BERRY & ASSOCIATES P.C.

Dated: August 15, 2011

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

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

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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/821,119	06/22/2010	Samuel F. Wood	TLM-103C1CON4

CONFIRMATION NO. 3386

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

PUBLICATION NOTICE

OC000000043890829

Title:BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

Publication No.US-2010-0254376-A1
Publication Date:10/07/2010

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 publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

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.

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

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. TLM-103C1CON4	SERIAL NO. 12/821,119
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		2001/0022784A1	09-2001	Menon et al.	----------	----------	----------
		2001/0030950A1	10-2001	Chen et al.	----------	----------	----------
		2003/0026403A1	11-2007	Clapper	----------	----------	----------
		2003/0040325A1	02-2003	Clark	----------	----------	----------
		2003/0095650A1	05-2003	Mize	----------	----------	----------
		2003/0133553A1	07-2003	Khakoo et al.	----------	----------	----------
		2003/0156693A1	08-2003	Goldman	----------	----------	----------
		2003/0194078A1	10-2003	Wood et al.	----------	----------	----------
		2004/0029568A1	02-2004	DeLuca et al.	----------	----------	----------
		2004/0240657 A1	12-02-2004	Camarillo	379	221.02	----------
		2004/0264673 A1	12-30-2004	Novack	379	221.11	----------
		2005/0041526A1	02-2005	Esmersoy et al.	----------	----------	----------
		2005/0141500A1	06-2005	Bhandari et al.	----------	----------	----------
		2005/0169445A1	08-2005	Harris	----------	----------	----------
		2005/0207557A1	09-2005	Dolan et al.	----------	----------	----------
		4,100,377	07-1978	Flanagan	----------	----------	----------
		4,238,851	12-1980	Takahashi et al.	----------	----------	----------
		4,313,035	01-1982	Jordan et al.	----------	----------	----------
		4,348,554	09-1982	Asmuth	----------	----------	----------
		4,569,041	02-1986	Takeuchi et al.	----------	----------	----------
		4,608,685	08-1986	Jain et al.	----------	----------	----------
		4,611,094	09-1986	Asmuth 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-103C1CON4	SERIAL NO. 12/821,119
	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		4,611,096	09-1986	Asmuth et al.	----------	----------	----------
		4,630,260	12-1986	Toy et al.	----------	----------	----------
		4,630,262	12-1986	Callens et al.	----------	----------	----------
		4,661,947	04-1987	Lea et al.	----------	----------	----------
		4,674,082	06-1987	Flanagin et al.	----------	----------	----------
		4,679,190	07-1987	Dias et al.	----------	----------	----------
		4,679,191	07-1987	Nelson et al.	----------	----------	----------
		4,707,831	11-1987	Weir, deceased et al.	----------	----------	----------
		4,715,026	12-1987	Eberspaecher	----------	----------	----------
		4,723,238	02-1988	Isreal et al.	----------	----------	----------
		4,757,497	07-1988	Beierle et al.	----------	----------	----------
		4,761,779	08-1988	Nara et al.	----------	----------	----------
		4,771,425	09-1988	Baran et al.	----------	----------	----------
		4,815,071	03-1989	Shimizu	----------	----------	----------
		4,819,228	04-1989	Baran et al.	----------	----------	----------
		4,862,451	08-1989	Closs et al.	----------	----------	----------
		4,866,704	09-1989	Bergman	----------	----------	----------
		4,872,159	10-1989	Hemmady et al.	----------	----------	----------
		4,872,160	10-1989	Hemmady et al.	----------	----------	----------
		4,885,739	12-1989	Read et al.	----------	----------	----------
		4,903,261	02-1990	Baran et al.	----------	----------	----------
		4,926,416	05-1990	Weik	----------	----------	----------

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	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
		4,932,022	06-1990	Keeney et al.	----------	----------	----------
		4,933,931	06-1990	Kokubo	----------	----------	----------
		4,953,158	08-1990	Schreur	----------	----------	----------
		4,953,198	08-1990	Daly et al.	----------	----------	----------
		4,958,341	09-1990	Hemmady et al.	----------	----------	----------
		4,962,497	10-1990	Ferenc et al.	----------	----------	----------
		4,969,184	11-1990	Gordon et al.	----------	----------	----------
		4,970,721	11-1990	Aczel et al.	----------	----------	----------
		4,973,837	11-1990	Bradbeer	----------	----------	----------
		4,975,695	12-1990	Almond et al.	----------	----------	----------
		4,996,685	02-1991	Farese et al.	----------	----------	----------
		5,008,929	04-1991	Olsen et al.	----------	----------	----------
		5,014,266	05-1991	Bales et al.	----------	----------	----------
		5,018,136	05-1991	Gollub	----------	----------	----------
		5,020,058	05-1991	Holden et al.	----------	----------	----------
		5,022,071	06-1991	Mozer et al.	----------	----------	----------
		5,048,081	09-1991	Gavaras et al.	----------	----------	----------
		5,051,983	09-1991	Kammerl	----------	----------	----------
		5,093,827	03-1992	Franklin et al.	----------	----------	----------
		5,115,431	05-1992	Williams et al.	----------	----------	----------
		5,150,357	09-1992	Hopner et al.	----------	----------	----------
		5,157,662	10-1992	Tadamura et al.	----------	----------	----------

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		5,197,067	03-1993	Fujimoto et al.	----------	----------	----------
		5,208,806	05-1993	Hasegawa	----------	----------	----------
		5,218,602	06-1993	Grant et al.	----------	----------	----------
		5,231,633	07-1993	Hluchyj et al.	----------	----------	----------
		5,241,588	08-1993	Babson, III et al.	----------	----------	----------
		5,247,571	09-1993	Kay et al.	----------	----------	----------
		5,268,900	12-1993	Hluchyj et al.	----------	----------	----------
		5,274,635	12-1993	Rahman et al.	----------	----------	----------
		5,291,489	03-1994	Morgan et al.	----------	----------	----------
		5,297,191	03-1994	Gerszberg	----------	----------	----------
		5,301,189	04-1994	Schmidt et al	----------	----------	----------
		5,305,308	04-1994	English et al.	----------	----------	----------
		5,311,582	05-1994	Davenport et al.	----------	----------	----------
		5,327,428	07-1994	Van As et al.	----------	----------	----------
		5,341,374	08-1994	Lewen et al.	----------	----------	----------
		5,351,276	09-1994	Doll, Jr. et al.	----------	----------	----------
		5,351,286	09-1994	Nici	----------	----------	----------
		5,353,283	10-1994	Tsuchiya	----------	----------	----------
		5,359,598	10-1994	Steagall et al.	----------	----------	----------
		5,365,521	11-1994	Ohnishi et al.	----------	----------	----------
		5,379,293	01-1995	Kanno et al.	----------	----------	----------
		5,381,405	01-1995	Daugherty et al.	----------	----------	----------

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		5,381,466	01-1995	Shibayama et al.	----------	----------	----------
		5,383,183	01-1995	Yoshida	----------	----------	----------
		5,384,840	01-1995	Blatchford et al.	----------	----------	----------
		5,390,184	02-1995	Morris	----------	----------	----------
		5,396,491	03-1995	Newman	----------	----------	----------
		5,420,858	05-1995	Marshall et al.	----------	----------	----------
		5,422,882	06-1995	Hiller et al.	----------	----------	----------
		5,423,003	06-1995	Berteau	----------	----------	----------
		5,426,636	06-1995	Hiller et al.	----------	----------	----------
		5,428,607	06-1995	Hiller et al.	----------	----------	----------
		5,428,616	06-1995	Field et al.	----------	----------	----------
		5,428,663	06-1995	Grimes et al.	----------	----------	----------
		5,430,719	07-1995	Weisser, Jr.	----------	----------	----------
		5,434,913	07-1995	Tung et al.	----------	----------	----------
		5,436,898	07-1995	Bowen et al.	----------	----------	----------
		5,438,614	08-1995	Rozman et al.	----------	----------	----------
		5,444,709	08-1995	Riddle	----------	----------	----------
		5,448,623	09-1995	Wiedeman et al.	----------	----------	----------
		5,452,289	09-1995	Sharma et al.	----------	----------	----------
		5,453,986	09-1995	Davis et al.	----------	----------	----------
		5,455,853	10-1995	Cebulka et al.	----------	----------	----------
		5,457,684	10-1995	Bharucha et al.	----------	----------	----------

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U.S. PATENT DOCUMENTS							
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		5,469,500	11-21-1995	Satter et al.	379	201	----------
		5,471,470	11-1995	Sharma et al.	----------	----------	----------
		5,471,616	11-1995	Johnson et al.	----------	----------	----------
		5,479,411	12-1995	Klein	----------	----------	----------
		5,485,457	01-1996	Aramaki	----------	----------	----------
		5,495,567	02-1996	Iizawa et al.	----------	----------	----------
		5,497,339	03-1996	Bernard	----------	----------	----------
		5,521,914	05-1996	Mavraganis et al.	----------	----------	----------
		5,526,353	06-1996	Henley et al.	----------	----------	----------
		5,537,403	07-1996	Cloonan et al.	----------	----------	----------
		5,541,917	07-1996	Farris	----------	----------	----------
		5,544,161	08-1996	Bigham et al.	----------	----------	----------
		5,544,163	08-1996	Madonna	----------	----------	----------
		5,544,164	08-1996	Baran	----------	----------	----------
		5,544,168	08-1996	Jeffrey et al.	----------	----------	----------
		5,553,063	09-1996	Dickson	----------	----------	----------
		5,557,658	09-1996	Gregorek et al.	----------	----------	----------
		5,563,937	10-1996	Bruno et al.	----------	----------	----------
		5,566,236	10-1996	MeLampy et al.	----------	----------	----------
		5,568,475	10-1996	Doshi et al.	----------	----------	----------
		5,570,355	10-1996	Dail et al.	----------	----------	----------
		5,572,583	11-1996	Wheeler, Jr. et al.	----------	----------	----------

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		5,577,038	11-1996	Miyahara	----------	----------	----------
		5,577,041	11-1996	Sharma et al.	----------	----------	----------
		5,579,308	11-1996	Humpleman	----------	----------	----------
		5,590,181	12-1996	Hogan et al.	----------	----------	----------
		5,592,477	01-1997	Farris et al.	----------	----------	----------
		5,592,538	01-1997	Kosowsky et al.	----------	----------	----------
		5,594,732	01-1997	Bell et al.	----------	----------	----------
		5,600,643	02-1997	Robrock, II	----------	----------	----------
		5,600,649	02-1997	Sharma et al.	----------	----------	----------
		5,602,991	02-1997	Berteau	----------	----------	----------
		5,604,737	02-1997	Iwami et al.	----------	----------	----------
		5,606,594	02-1997	Register et al.	----------	----------	----------
		5,608,786	03-1997	Gordon	----------	----------	----------
		5,613,069	03-1997	Walker	----------	----------	----------
		5,621,727	04-1997	Vaudreuil	----------	----------	----------
		5,625,677	04-1997	Feiertag et al.	----------	----------	----------
		5,628,004	051997	Gormley et al.	----------	----------	----------
		5,631,897	05-1997	Pacheco et al.	----------	----------	----------
		5,640,446	06-1997	Everett et al.	----------	----------	----------
		5,646,945	07-1997	Bergler	----------	----------	----------
		5,650,999	07-1997	Dickson	----------	----------	----------
		5,654,957	08-1997	Koyama	----------	----------	----------

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		5,659,541	08-1997	Chan	----------	----------	----------
		5,659,542	08-1997	Bell et al.	----------	----------	----------
		5,680,437	10-1997	Segal	----------	----------	----------
		5,684,799	11-1997	Bigham et al.	----------	----------	----------
		5,689,553	11-1997	Ahuja et al.	----------	----------	----------
		5,692,126	11-1997	Templeton et al.	----------	----------	----------
		5,701,301	12-1997	Weisser, Jr.	----------	----------	----------
		5,706,286	01-1998	Reiman et al.	----------	----------	----------
		5,710,769	01-1998	Anderson et al.	----------	----------	----------
		5,712,903	01-1998	Bartholomew et al.	----------	----------	----------
		5,712,908	01-1998	Brinkman et al.	----------	----------	----------
		5,724,412	03-1998	Srinivasan	----------	----------	----------
		5,727,057	03-1998	Emery et al.	----------	----------	----------
		5,729,544	03-1998	Lev et al.	----------	----------	----------
		5,732,074	03-1998	Spaur et al.	----------	----------	----------
		5,732,078	03-1998	Arango	----------	----------	----------
		5,732,216	03-1998	Logan et al.	----------	----------	----------
		5,737,320	04-1998	Madonna	----------	----------	----------
		5,737,331	04-1998	Hoppal et al.	----------	----------	----------
		5,737,333	04-1998	Civanlar et al.	----------	----------	----------
		5,737,533	04-1998	De Hond	----------	----------	----------
		5,740,164	04-1998	Liron	----------	----------	----------

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		5,740,231	04-1998	Cohn et al.	----------	----------	----------
		5,742,596	04-1998	Baratz et al.	----------	----------	----------
		5,742,905	04-1998	Pepe et al.	----------	----------	----------
		5,751,706	05-1998	Land et al.	----------	----------	----------
		5,751,968	05-1998	Cohen	----------	----------	----------
		5,754,641	05-1998	Voit et al.	----------	----------	----------
		5,764,628	06-1998	Davis et al.	----------	----------	----------
		5,764,736	06-1998	Shachar et al.	----------	----------	----------
		5,764,750	06-1998	Chau et al.	----------	----------	----------
		5,764,756	06-1998	Onweller	----------	----------	----------
		5,777,991	07-1998	Adachi et al.	----------	----------	----------
		5,790,538	08-1998	Sugar	----------	----------	----------
		5,793,762	08-1998	Penners et al.	----------	----------	----------
		5,793,771	08-1998	Darland et al.	----------	----------	----------
		5,799,072	08-1998	Vulcan et al.	----------	----------	----------
		5,799,154	08-1998	Kuriyan	----------	----------	----------
		5,802,160	09-1998	Kugell et al.	----------	----------	----------
		5,805,587	09-1998	Norris et al.	----------	----------	----------
		5,805,588	09-1998	Petersen	----------	----------	----------
		5,806,057	09-1998	Gormley et al.	----------	----------	----------
		5,809,022	09-1998	Byers et al.	----------	----------	----------
		5,809,128	09-1998	McMullin	----------	----------	----------

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		5,812,534	09-1998	Davis et al.	----------	----------	----------
		5,815,505	09-1998	Mills	----------	----------	----------
		5,818,912	10-1998	Hammond	----------	----------	----------
		5,825,771	10-1998	Cohen et al.	----------	----------	----------
		5,828,666	10-1998	Focsaneanu et al.	----------	----------	----------
		5,838,665	11-1998	Kahn et al.	----------	----------	----------
		5,850,433	12-1998	Rondeau	----------	----------	----------
		5,859,972	01-1999	Subramaniam et al.	----------	----------	----------
		5,867,494	02-1999	Krishnaswamy et al.	----------	----------	----------
		5,867,495	02-1999	Elliott et al.	----------	----------	----------
		5,875,405	02-1999	Honda	----------	----------	----------
		5,878,113	03-1999	Bhusari	----------	----------	----------
		5,878,418	03-1999	Polcyn et al.	----------	----------	----------
		5,881,060	03-1999	Morrow et al.	----------	----------	----------
		5,881,131	03-1999	Farris et al.	----------	----------	----------
		5,889,774	03-1999	Mirashrafi 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.	----------	----------	----------
		5,922,047	07-1999	Newlin et al.	----------	----------	----------

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		5,930,700	07-1999	Pepper et al.	----------	----------	----------
		5,933,490	08-1999	White et al.	----------	----------	----------
		5,933,778	08-1999	Buhrmann et al.	----------	----------	----------
		5,938,757	08-1999	Bertsch	----------	----------	----------
		5,946,386	08-1999	Rogers et al.	----------	----------	----------
		5,946,684	08-1999	Lund	----------	----------	----------
		5,953,392	09-1999	Rhie et al.	----------	----------	----------
		5,954,799	09-1999	Goheen et al.	----------	----------	----------
		5,958,016	09-1999	Chang et al.	----------	----------	----------
		5,960,340	09-1999	Fuentes	----------	----------	----------
		5,963,551	10-1999	Minko	----------	----------	----------
		5,970,059	10-1999	Ahopelto et al.	----------	----------	----------
		5,974,449	10-1999	Chang et al.	----------	----------	----------
		5,982,866	11-1999	Kowalski	----------	----------	----------
		5,991,291	11-1999	Asai et al.	----------	----------	----------
		5,991,394	11-1999	Dezonno et al.	----------	----------	----------
		5,999,525	12-1999	Krishnaswamy et al.	----------	----------	----------
		6,005,870	12-1999	Leung et al.	----------	----------	----------
		6,006,272	12-1999	Aravamudan et al.	----------	----------	----------
		6,009,469	12-1999	Mattaway et al.	----------	----------	----------
		6,012,088	01-2000	Li et al.	----------	----------	----------
		6,014,437	01-2000	Acker et al.	----------	----------	----------

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		6,020,916	02-2000	Gerszberg et al.	----------	----------	----------
		6,026,083	02-2000	Albrow et al.	----------	----------	----------
		6,028,917	02-2000	Creamer et al.	----------	----------	----------
		6,031,836	02-2000	Haserodt	----------	----------	----------
		6,031,904	02-2000	An et al.	----------	----------	----------
		6,041,325	03-2000	Shah et al.	----------	----------	----------
		6,044,403	03-2000	Gerszberg et al.	----------	----------	----------
		6,069,890	05-2000	White 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	----------	----------	----------
		6,134,235	10-2000	Goldman et al.	----------	----------	----------
		6,141,341	10-2000	Jones et al.	----------	----------	----------
		6,161,128	12-2000	Smyk	----------	----------	----------
		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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		6,216,158	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.	----------	----------	----------
		6,266,539	07-2001	Pardo	----------	----------	----------
		6,278,707	08-2001	MacMillan et al.	----------	----------	----------
		6,301,609	10-2001	Aravamudan et al.	----------	----------	----------
		6,308,201	10-2001	Pivowar et al.	----------	----------	----------
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	APPLICANT: Samuel F. WOOD, et al.	
	FILING DATE: June 22, 2010	GROUP: 2614

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
		DE 19813179	09-1999	DE	----------	----------	X	
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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
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		JP 10-164257	06-1998	JP	----------	----------	Yes, Eng. Abs. only	
		JP 10-023067	01-1998	JP	----------	----------	Yes, Eng. Abs. only	
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		WO 97/38551	10-1997	WO	----------	----------		
		WO 97/39560	10-1997	WO	----------	----------		
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		WO 98/19445	05-1998	WO	----------	----------		

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		WO 99/35802	07-1999	WO	----------	----------		
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	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	ADC Telecommunications; SS7 New Net SS7 Tutorial; Copyright 1999.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
EXAMINER INITIAL		
	11	Mary Carmichael, "Calls That Follow you Anywhere" Newsweek, April 28, 2003, page 43.
	12	European Search Report, 3 pages, from European Application No. 04252483.5 (EP Patent No. 1473947B1).
	13	U.S. patent application Ser. No. 09/406,322, Schuster et al., filed Sep. 27, 1999
	14	U.S. patent application Ser. No. 09/515,798, Schuster et al., filed Feb. 29, 2000

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Electronic Acknowledgement Receipt

EFS ID:	8093602
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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-103C1CON4
Receipt Date:	26-JUL-2010
Filing Date:	22-JUN-2010
Time Stamp:	23:10:56
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		TLM-103C1CON4_IDS_before_OA_no_copies_continuation_final_7-26-10.pdf	232074 762c3214667f32c7c69e1b5ae330c4906ac4c9d9	yes	28

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Transmittal Letter	1	7
	Information Disclosure Statement (IDS) Filed (SB/08)	8	28
Warnings:			
Information:			
	Total Files Size (in bytes):	232074	

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	**Customer No.:** 49,637
Samuel F. WOOD	**Confirmation No.:** 3386
Serial No.: 12/821,119	**Group Art Unit:** To be assigned
Filed: June 22, 2010	**Examiner:** To be assigned
For: BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES	

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b)(1)AND (3)

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

Sir:

In compliance with the Applicant's duty under 37 CFR § 1.56, the following information is brought to the attention of the Examiner. The items are listed on the attached form PTO-1449. Copies of the listed items are not enclosed, as each of the items was cited by or submitted to the Patent Office in the prior application (Application Serial No. 11/948,965), from which the present application relies upon for priority under §120. *See* 37 C.F.R. 1.98(d).

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. 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 5[1] and packet networks. Broadworks discloses a set of tools that can be used to 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.

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

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.

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.

The references below 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.

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.

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.

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

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
11/948,965	Branch Calling and Caller ID Based Call Routing Telephone Features	3/27/08	TLM-103C1DIV

This Information Disclosure Statement is timely submitted under 37 CFR § 1.97(b)(3), that is, before mailing of a first office action on the merits. 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,

BERRY & ASSOCIATES P.C.

Dated: July 26, 2010

By: /Reena Kuyper/
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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
12/821,119	06/22/2010	2614	3360	TLM-103C1CON4	123	5

CONFIRMATION NO. 3386

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

FILING RECEIPT

Date Mailed: 07/02/2010

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 submit a written request for a Filing Receipt Correction. 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, CA;
Jerry A. Klein, Los Altos, CA;
Margaret Susan Asprey, Los Altos, CA;

Assignment For Published Patent Application

TELEMAZE LLC

Power of Attorney: The patent practitioners associated with Customer Number 49637

Domestic Priority data as claimed by applicant

This application is a CON of 11/948,965 11/30/2007
which 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: 07/01/2010

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/821,119**

Projected Publication Date: 10/07/2010

Non-Publication Request: No

Early Publication Request: No
** **SMALL ENTITY** **

Title

BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

Preliminary Class

379

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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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Title 37, Code of Federal Regulations, 5.11 & 5.15

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/821,119	06/22/2010	Samuel F. Wood	TLM-103C1CON4

CONFIRMATION NO. 3386

POA ACCEPTANCE LETTER

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

OC000000042390989

Date Mailed: 07/02/2010

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 06/22/2010.

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.

/cnguyen/

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

Electronic Acknowledgement Receipt

EFS ID:	7871233
Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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-103C1CON4
Receipt Date:	22-JUN-2010
Filing Date:	
Time Stamp:	22:24:22
Application Type:	Utility under 35 USC 111(a)

07/01/2010 VVAN11 00000014 503102 12821119

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Payment was successfully received in RAM	$3334
RAM confirmation Number	6931
Deposit Account	503102
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	TLM-103C1CON4_ADS.pdf	1639072 06aea1016e817d14b541f73a7436f2bf074bca1f	no	5
Warnings:					
Information:					
2	Drawings-only black and white line drawings	TLM-103C1CON4_Drawings.pdf	324340 2e02d1f499405ac40e7f9e8f579ead930535f122	no	11
Warnings:					
Information:					
3	Oath or Declaration filed	TLM-103C1CON4_Signed_Declaration_from_parent.pdf	122158 f1c10b055e6a7ea97b0c2b5d04912985af1496c6	no	3
Warnings:					
Information:					
4		TLM-103C1CON4_Signed_Revocation_Power_of_Attorney_parent.pdf	211713 5dc5adfcbc5876566b5bbc4a40db94ce87cc97c92	yes	2

Multipart Description/PDF files in .zip description

Document Description	Start	End
Power of Attorney	1	1
Assignee showing of ownership per 37 CFR 3.73(b).	2	2

Warnings:					
Information:					
5		TLM-103C1CON4_Specification.pdf	163302 3f90ba8c7b1217b09954688b9a15c80de6461fc9	yes	56

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	26
Claims	27	55
Abstract	56	56

PTO/SB/81 (01-09)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

POWER OF ATTORNEY OR REVOCATION 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

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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

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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.**

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PTO/SB/96 (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Samuel F. Wood

Application No./Patent No.: 11/948,965 Filed/Issue Date: November 30, 2007

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

The document was recorded in the United States Patent and Trademark Office at
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3. From: Telemaze, Inc. To: Telemaze, LLC

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[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 — 12/11/09 Date

Jerry A. Klein, Telemaze, LLC — Managing Member

Printed or Typed Name — Title

BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation of U.S. application Ser. No. 11/948,965, filed Nov. 30, 2007, entitled “Branch Calling and Caller ID Based Call Routing Telephone Features,” which is a divisional of U.S. application Ser. No. 10/426,279, filed Apr. 30, 2003, entitled "Branch Calling and Caller ID Based Call Routing Telephone Features," now U.S. Patent No. 7,324,635, which is a continuation-in-part of U.S. application Ser. No. 09/565,565, filed May 4, 2000, entitled "Telephone Call Control System for the Public Switched Telephone Network," now U.S. Pat. No. 6,574,328, The subject matter in the above-identified co-pending and commonly owned applications is incorporated herein by reference.

FIELD OF THE INVENTION

[0002] 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

[0003] 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, but offer an extremely limited number of features and do not provide true 3rd-party call control.

[0004] 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.

[0005] 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 signaling system is used by the PSTN to allow calling and to transmit both calling and called party identity.

[0006] 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.

[0007] 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, signaling limitations prevent full control, by the subscriber or the system, over the call.

[0008] A preferred embodiment of the inventive system described herein connects at the tandem, thereby eliminating these problems.

[0009] 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.

[0010] Call Forwarding is one popular provision. There is signification 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.

[0011] 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 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.

[0012] 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 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.

[0013] In addition to these toll services, there are edge devices that perform some of the 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 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.

SUMMARY OF THE INVENTION

[0014] 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 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.

[0015] 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 terminates the calling of the other telephones (or any other end units).

[0016] 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 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.

[0017] 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 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.

[0018] 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 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.

[0019] The offered features are implemented by software programs run by the processing system.

[0020] 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.

[0021] 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

[0022] 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.

[0023] FIG. 2 illustrates a system similar to FIG. 1 but showing multiple tandem switches and TACs and also showing how the subscriber may, in additional to using the standard telephone, make phone calls using Voice Over IP via a conventional digital telephone.

[0024] 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.

[0025] 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.

[0026] FIG. 5 is a flowchart of a method that can be performed by the TAC in response to an inbound call to the subscriber.

[0027] 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.

[0028] FIG. 7 illustrates a system, using the TAC, that allows wireless cell phones to obtain the same provisioning options as the conventional telephones.

[0029] FIG. 8 illustrates a system, using the TAC, that allows fax and modem calls to benefit from the provisioning offered by the TAC.

[0030] FIG. 9 is a flowchart of possible scenarios using the caller ID based feature.

[0031] FIG. 10 is a flowchart of possible scenarios using the branch calling feature.

DETAILED DESCRIPTION OF THE INVENTION

[0032] 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 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.

[0033] 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 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 may be found in the numerous books describing the PSTN.

[0034] 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 "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, calls the subscriber, as appropriate, using the subscriber's private phone number and connects the two calls. The process is transparent to the parties.

[0035] 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 interconnection between a calling party and a subscriber.

[0036] 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.

[0037] 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. 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 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.

[0038] The invention may also include ivr/vm/voverip.

[0039] FIG. 1 uses a public internet portal connected via a data link to the TAC 10 or other 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 transmitted to the TAC 10. The TAC 10 in turn keeps track of incoming and outgoing calls based on this information.

[0040] 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.

[0041] FIG. 4 is a flowchart of actions that may be taken

by the TAC 10 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.

[0042] 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.

[0043] 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.

[0044] 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.

[0045] 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.

[0046] 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.

[0047] 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.

[0048] 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.

[0049] 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.

[0050] 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.

[0051] 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

Manage Outgoing Call Control

- Click-to-Dial Calling
- Group Calling and Messaging

Web-Based Billing

Web-Driven Personal Communications Management

- Cost-Effective Single Phone Number Access
- On-Line "Personal Digital Assistant"
- On-Line "Telcom Navigator"
- Inspired User Interaction
- Secure and Reliable Technology

Cost-Effective Single Phone Number Access

CLEC Status

- Free Local Calls, Incoming Calls (not 800 Toll Service)
- 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

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

Web Dialing

- Click-to-Dial from Web Pages, Directories, Calendars

- Multiple Phone List Management

Unified Messaging

- Voice Mail Access, Prompts, Alert Via Web

User Interaction

Expected Behavior

- Compatible with Familiar Products (e.g. Palm Pilot)
- Commonality Between All Wired and Wireless

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

- Build Phone List Based on Collected Usage Information
- Drag and Drop Into Lists

Secure and Reliable Technology

Separate Web-Site and Link Gateway

- No Direct External Access to Gateway
- Additional Security Layer

- No Denial-of-Service to Voice Links

VoIP Link Degradation Detection

- Automatic Cutover to PSTN

E-Commerce Security

- Billing Encryption Caller

[0052] ID Based Call Routing

[0053] 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 sets, including wireless telephones, the name of the caller associated with the telephone number is also displayed on the called party's display screen.

[0054] 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.

[0055] 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 40 within or connected to TAC 10.

[0056] 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.

[0057] 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.

[0058] 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.

[0059] 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.

[0060] 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.

[0061] 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 being transmitted to the subscriber or used by TAC 10 to selectively perform a function.

[0062] FIG. 9 is a flowchart of various scenarios that may be carried out using the caller ID feature.

[0063] 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 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.

[0064] In step 52, using the SS7 protocol, TAC 10 detects the caller ID signal (CID), if any. 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 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.

[0065] 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 by the subscriber via the web. In addition, the caller's name and telephone number may also by displayed (step 60). The information may also be transmitted to the subscriber's telephone for display.

[0066] 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.

[0067] 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.

[0068] 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.

[0069] 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 the subscriber's phone.

[0070] 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. Alternatively, the caller may be required to call back after pressing the proper touch tone keys to unblock the CID in a conventional way.

[0071] 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.

[0072] 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.

[0073] 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 is step 77 (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.

[0074] 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.

[0075] 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.

[0076] 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

[0077] Branch Calling

[0078] 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.

[0079] 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.

[0080] When a party answers one of the ringing lines, the answering party is connected to the calling party, and the other calls are abandoned.

[0081] 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 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.

[0082] Prior art systems without answer supervision must call each forwarding number sequentially, whereby after a certain number of preprogrammed rings, the calling stops and 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.

[0083] It is desirable that the answer supervision signaling not be delayed so that the calling 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.

[0084] 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.

[0085] In step 80 of FIG. 10, TAC 10 receives an incoming call.

[0086] 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 TAC 10, TAC 10 needs to know what number was dialed in order to perform the function on the call selected by the subscriber.

[0087] 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 feature where two telephone numbers are to be called by TAC 10.

[0088] In step 88, TAC 10 generates a ring back tone to the caller to indicate that a telephone is ringing.

[0089] 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 steps 93 and 95.

[0090] 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).

[0091] In response to the answer supervision signaling, TAC 10 abandons the other call to the second telephone (step 100).

[0092] In step 102, TAC 10 completes the phone call by connecting the calling party to the answered telephone. This process may be applied to other than telephones, such as computers or other types of communication equipment.

[0093] 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.

[0094] If it is determined in step 104 that another telephone has been answered (i.e., the answer supervision signal has been received by TAC 10), the call to the first telephone is abandoned (step 106).

[0095] The same operation is performed with respect to the second telephone call in steps 108-113.

[0096] Any number of telephone calls may be simultaneously placed by TAC 10 in response to a branch calling instruction.

[0097] In step 86, if the instructions programmed by the subscriber are to block the call, then TAC 10 blocks the call in step 87.

[0098] 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 web-enabled processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a communication network, the circuit-switched network 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 for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the method comprising the steps of:

receiving a call originated by the calling party via the packet network, at the web-enabled processing system, the calling party using a communication device to originate the call for the purpose of initiating voice communication, the web-enabled processing system coupled to at least one switching facility of the circuit-switched network, the web-enabled processing system processing the call across the packet network and the circuit-switched network to complete the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is completed, across both the packet network and the circuit-switched network.

2. A method as defined in claim 1, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

3. A method as defined in claim 2, further comprising the step of:

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. A method as defined in 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. A method as defined in claim 1, wherein when one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the web-enabled processing system, and the web-enabled processing system abandons the other calls.

6. A method as defined in claim 5, wherein the answer supervision is pursuant to the SS7 signaling protocol.

7. A method as defined in 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), and wherein receiving the 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, the web-enabled processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

8. A method as defined in claim 2, further comprising the step of:

identifying one or more control criteria previously associated with the subscriber, wherein the one or more control criteria previously provided via a web-based interface, and completing the call in accordance with the control criteria associated with the subscriber and establishing the voice communication only in accordance with the control criteria.

9. A method as defined in claim 1, wherein the communication network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

10. A method as defined in claim 1, wherein the communication device is a digital device.

11. A method as defined in claim 1, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

12. A method as defined in claim 1, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

13. A method as defined in claim 1, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

14. A method as defined in claim 1, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

15. A method as defined in claim 1, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

16. A method as defined in claim 15, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

17. A method as defined in claim 1, wherein the web-enabled processing system is located within a local service area corresponding to the specified recipient.

18. A method as defined in claim 1, wherein the web-enabled processing system is configured as a tandem access controller.

19. A method as defined in claim 18, 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.

20. A method as defined in claim 1, wherein at least a portion of the call is completed over a wireless link.

21. A method as defined in claim 1, 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, and an information appliance.

22. A method as defined in claim 1, wherein the communication network comprises a network of switching facilities performing a class 4 switching function.

23. A method as defined in claim 1, wherein the communication network comprises a network of class 4 switches.

24. A method as defined in claim 1, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled

processing system 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.

25. A method as defined in claim 1, wherein the tandem switch utilizes a TDM switching matrix.

26. A method as defined in claim 1, wherein the tandem switch utilizes an ATM switching matrix.

27. A method as defined in claim 1, wherein the tandem switch utilizes a crosspoint switching matrix.

28. A method as defined in claim 1, wherein the tandem switch utilizes a VOIP switching matrix.

29. A method for routing calls from a calling party to a called party performed by a web-enabled processing system serving as an intelligent interconnection between at least one packet network and a circuit-switched network in a communication network, the circuit-switched network 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 for enabling voice communication from the calling party to the called party across both the packet network and the circuit-switched network, the method comprising the steps of:

receiving a call originated by the calling party via the packet network, at the web-enabled processing system, the calling party using a communication device to originate the call for the purpose of initiating the voice communication, the web-enabled processing system coupled to at least one switching facility of the circuit-switched network, the web-enabled processing system processing the call across the circuit-switched network and at least one packet network to connect the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is connected, across both the packet network and the circuit-switched network.

30. A method as defined in claim 29, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

31. A method as defined in claim 29, wherein the web-enabled processing system is configured to perform enhanced routing operations, further comprising the steps of:

facilitating selection of at least one calling feature by the subscriber, the web-enabled processing system configured to perform the steps of:

upon receiving the call from the calling party, using the communications device to implement a calling feature previously designated by the 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.

32. A method as defined in claim 29, wherein the subscriber is a subscriber of residential telephone service.

33. A method as defined in claim 29, wherein the subscriber is a subscriber of business telephone service.

34. A method as defined in claim 25, wherein the tandem switch utilizes a TDM switching matrix.

35. A method as defined in claim 25, wherein the tandem switch utilizes an ATM switching matrix.

36. A method as defined in claim 25, wherein the tandem switch utilizes a crosspoint switching matrix.

37. A method as defined in claim 25, wherein the tandem switch utilizes a VOIP switching matrix.

38. A method performed by a web-enabled processing system serving as an intelligent interconnection between at

least one circuit-switched network and a packet network in a communication network, the circuit-switched network 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 for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the method comprising the steps of:

receiving a call originated by the calling party via the circuit-switched network, at the web-enabled processing system, the calling party using a communication device to originate the call for the purpose of initiating voice communication, the web-enabled processing system coupled to at least one switching facility of the circuit-switched network, the web-enabled processing system processing the call across the circuit-switched network and the packet network to complete the call to the called party; and

establishing the voice communication between the calling party and the called party after the call is completed, across both the circuit-switched network and the packet network.

39. A method as defined in claim 38, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

40. A method as defined in claim 39, further comprising the step of:

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.

41. A method as defined in claim 38, wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

42. A method as defined in claim 38, wherein one of the calls to the communications devices is answered, an answer supervision signal is transmitted to the processing system, and the processing system abandons the other calls.

43. A method as defined in claim 42, wherein the answer supervision signal is pursuant to the SS7 signaling protocol.

44. A method as defined in claim 38, 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), 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.

45. A method as defined in claim 39, further comprising the step of:

identifying one or more control criteria previously associated with the subscriber, wherein the one or more control criteria was entered via a web-based interface, and completing the call in accordance with the control criteria associated with the subscriber and establishing the voice communication only in accordance with the control criteria.

46. A method as defined in claim 38, wherein the communication network further comprises any one or more of a circuit-switched network, a packet-based network, and a wireless network.

47. A method as defined in claim 38, wherein the communication device is a digital device.

48. A method as defined in claim 38, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

49. A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

50. A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

51. A method as defined in claim 38, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

52. A method as defined in claim 38, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

53. A method as defined in claim 38, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

54. A method as defined in claim 38, wherein the web-enabled processing system is located within a local service area corresponding to the specified recipient.

55. A method as defined in claim 38, wherein the web-enabled processing system is configured as a tandem access controller.

56. A method as defined in claim 55, 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.

57. A method as defined in claim 38, wherein at least a portion of the call is completed over a wireless link.

58. A method as defined in claim 38, 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, and an information appliance.

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

60. A method as defined in claim 38, wherein the communication network comprises a network of class 4 switches.

61. A method as defined in claim 38, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system 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.

61. A method as defined in claim 38, wherein the tandem switch utilizes a TDM switching matrix.

62. A method as defined in claim 38, wherein the tandem switch utilizes an ATM switching matrix.

63. A method as defined in claim 38, wherein the tandem switch utilizes a crosspoint switching matrix.

64. A method as defined in claim 38, wherein the tandem switch utilizes a VOIP switching matrix.

65. A communication network with an improved architecture comprising a web-enabled processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a communication network, the circuit-switched network 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 for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the communication network comprising:

an interface capability within the web-enabled processing system for receiving a call originated by the calling party via the packet network, the call originated by the calling party via a communication

device for the purpose of initiating voice communication, the web-enabled processing system coupled to at least one switching facility of the circuit-switched network;

a call processing capability within the web-enabled processing system for processing the call across the packet network and the circuit-switched network to complete the call to the called party; and

a capability within the web-enabled processing system for establishing the voice communication between the calling party and the called party after the call is completed, across both the packet network and the circuit-switched network.

66. A communication network as defined in claim 65, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

67. A communication network as defined in claim 66, wherein the interface capability detects a first information about the source of the call and associates 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 wherein the interface capability simultaneously places at least two calls to at least two communications devices.

68. A communication network as defined in claim 66, wherein the at least two calls to the communications

devices are any combination of local call, long distance call, cellular call, and VOIP call.

69. A communication network as defined in claim 67, 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 abandons the other calls.

70. A communication network as defined in claim 69, wherein the answer supervision signal is pursuant to the SS7 signaling protocol.

71. A communication network as defined in claim 65, wherein the web-enabled processing system is connected to the switching facility, which is a PSTN tandem switch within the communication network, and wherein the interface capability receives a call from the calling party by 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, and the web-enabled processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

72. A communication network as defined in claim 71, wherein the subscriber's public telephone number is selected via the WEB.

73. A communication network as defined in claim 71, wherein the web-enabled processing system is configured to accept one or more control criteria previously associated with the subscriber, wherein the subscriber has the capability to request the one or more control criteria via a web-based interface, and wherein the web-enabled processing system is configured to complete the call in accordance with the control criteria associated with the subscriber and to establish the voice communication only in accordance with the control criteria.

74. A communication network as defined in claim 65, wherein the communication network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

75. A communication network as defined in claim 65, wherein the communication device is a digital device.

76. A communication network as defined in claim 65, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

77. A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

78. A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

79. A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

80. A communication network as defined in claim 65, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

81. A communication network as defined in claim 80, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

82. A communication network as defined in claim 80, wherein the web-enabled processing system is located within a local service area corresponding to the specified recipient.

83. A communication network as defined in claim 80, wherein the web-enabled processing system is configured as a tandem access controller.

84. A method as defined in claim 83, 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.

85. A method as defined in claim 80, wherein at least a portion of the call is completed over a wireless link.

86. A method as defined in claim 80, 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, and an information appliance.

87. A method as defined in claim 80, wherein the communication network comprises a network of switching facilities performing a class 4 switching function.

88. A method as defined in claim 80, wherein the communication network comprises a network of class 4 switches.

89. A method as defined in claim 80, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system 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.

90. A method as defined in claim 65, wherein the tandem switch utilizes a TDM switching matrix.

91. A method as defined in claim 65, wherein the tandem switch utilizes an ATM switching matrix.

92. A method as defined in claim 65, wherein the tandem switch utilizes a crosspoint switching matrix.

93. A method as defined in claim 65, wherein the tandem switch utilizes a VOIP switching matrix.

94. A communication network comprising a web-enabled processing system serving as an intelligent interconnection between at least one circuit-switched network and a packet network in a communication network, the circuit-switched network 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 for enabling voice communication from a calling party to a called party across both the circuit-switched network and a packet network, the communication network comprising:

an interface capability within the web-enabled processing system for receiving a call originated by the calling party via the circuit-switched network, the call originated by the calling party via a communication device for the purpose of initiating voice communication, the web-enabled processing system coupled to at least one switching facility of the circuit-switched network;

a call processing capability within the web-enabled processing system for processing the call across the circuit-switched network and at least one packet network to complete the call to the called party; and

a capability within the web-enabled processing system for establishing the voice communication between the calling party and the called party after the call is completed, across both the circuit-switched network and the at least one packet network.

95. A communication network as defined in claim 94, wherein either the calling party or the called party is a subscriber of the web-enabled processing system.

96. A communication network as defined in claim 95, wherein the subscriber's public telephone number is selected via the WEB.

97. A communication network as defined in claim 95, wherein the interface capability detects a first information about the source of the call and associates 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 wherein the interface capability simultaneously places at least two calls to at least two communications devices.

98. A communication network as defined in claim 66, wherein the at least two calls to the communications devices are any combination of local call, long distance call, cellular call, and VOIP call.

99. A communication network as define in claim 67, 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 abandons the other calls.

100. A communication network as defined in claim 69, wherein the answer supervision is pursuant to the SS7 signaling protocol.

101. A communication network as defined in claim 65, 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), and wherein the interface capability receives a call from the calling party by 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, and the web-enabled processing system simultaneously placing at least second and third calls using second and third telephone numbers different from the first telephone number.

102. A communication network as defined in claim 71, wherein the web-enabled processing system is configured to accept one or more control criteria previously associated with the subscriber, wherein the subscriber has the capability to request the one or more control criteria via a web-based interface, and wherein the web-enabled processing system is configured to complete the call in accordance with the control criteria associated with the

subscriber and to establish the voice communication only in accordance with the control criteria.

103. A communication network as defined in claim 65, wherein the communication network further comprises any one or more of a switched network, a packet-based network, and a wireless network.

104. A communication network as defined in claim 65, wherein the communication device is a digital device.

105. A communication network as defined in claim 65, wherein the web-enabled processing system is implemented using a distributed architecture spanning at least two locations.

106. A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing the TDM architecture.

107. A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing packet switching.

108. A communication network as defined in claim 65, wherein the web-enabled processing system utilizes a programmed processor utilizing a voice over IP (VoIP) architecture.

109. A communication network as defined in claim 65, wherein the call originated by the calling party via the packet network is facilitated via a VoIP connection.

110. A communication network as defined in claim 109, wherein the call is originated and completed via a VOIP connection, but has at least one leg through the circuit-switched network.

111. A communication network as defined in claim 109, wherein the web-enabled processing system is located within a local service area corresponding to the specified recipient.

112. A communication network as defined in claim 109, wherein the web-enabled processing system is configured as a tandem access controller.

113. A method as defined in claim 112, 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.

114. A method as defined in claim 109, wherein at least a portion of the call is completed over a wireless link.

115. A method as defined in claim 109, 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, and an information appliance.

116. A method as defined in claim 109, wherein the communication network comprises a network of switching facilities performing a class 4 switching function.

117. A method as defined in claim 109, wherein the communication network comprises a network of class 4 switches.

118. A method as defined in claim 109, wherein either the calling party or the called party have a capability to request control criteria for execution by the web-enabled processing system 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.

119. A method as defined in claim 94, wherein the tandem switch utilizes a TDM switching matrix.

120. A method as defined in claim 94, wherein the tandem switch utilizes an ATM switching matrix.

121. A method as defined in claim 94, wherein the tandem switch utilizes a crosspoint switching matrix.

122. A method as defined in claim 94, wherein the tandem switch utilizes a VOIP switching matrix.

BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES

ABSTRACT OF THE INVENTION

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 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 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.

Electronic Patent Application Fee Transmittal

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:	Reena Kuyper
Attorney Docket Number:	TLM-103C1CON4

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	82	82
Utility Search Fee	2111	1	270	270
Utility Examination Fee	2311	1	110	110
Pages:				
Claims:				
Claims in excess of 20	2202	102	26	2652
Independent claims in excess of 3	2201	2	110	220
Miscellaneous-Filing:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**3334**

Electronic Acknowledgement Receipt

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Application Number:	12821119
International Application Number:	
Confirmation Number:	3386
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
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Payment was successfully received in RAM	$3334
RAM confirmation Number	6931
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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	Application Data Sheet	TLM-103C1CON4_ADS.pdf	1639072 06aea1016e817d14b541f73a7436f2bf074bca1f	no	5
Warnings:					
Information:					
2	Drawings-only black and white line drawings	TLM-103C1CON4_Drawings.pdf	324340 2e02d1f499405ac40e7f9e8f579ead930535f122	no	11
Warnings:					
Information:					
3	Oath or Declaration filed	TLM-103C1CON4_Signed_Declaration_from_parent.pdf	122158 f1c10b055e6a7ea97b0c2b5d04912985af1496c6	no	3
Warnings:					
Information:					
4		TLM-103C1CON4_Signed_Revocation_Power_of_Attorney_parent.pdf	211713 5dc5adfcbc587656b5bbc4a40db94ce87cc97c92	yes	2

Multipart Description/PDF files in .zip description

Document Description	Start	End
Power of Attorney	1	1
Assignee showing of ownership per 37 CFR 3.73(b).	2	2

Warnings:					
Information:					
5		TLM-103C1CON4_Specification.pdf	163302 3f90ba8c7b1217b09954688b9a15c80de6461fc9	yes	56

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	26
Claims	27	55
Abstract	56	56

Warnings:					
Information:					
6	Fee Worksheet (PTO-875)	fee-info.pdf	37986 221fe56dab1a229705f0e1222fbb1b21688ab0a7	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2498571		

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	TLM-103C1CON4
	Application Number	
Title of Invention	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Applicant Information:

Applicant 1 Remove

Applicant Authority ◉ Inventor ○ Legal Representative under 35 U.S.C. 117 ○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Samuel	F.	Wood	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ 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	12648 La Cresta Court		
Address 2			
City	Los Altos	State/Province	CA
Postal Code	94022	Country i	US

Applicant 2 Remove

Applicant Authority ◉ Inventor ○ Legal Representative under 35 U.S.C. 117 ○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Jerry	A.	Klein	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ 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 ◉ Inventor ○ Legal Representative under 35 U.S.C. 117 ○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Margaret	Susan	Asprey	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Los Altos	State/Province	CA	Country of Residence i	US

PTO/SB/14 (11-08)
Approved for use through 06/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	TLM-103C1CON4
	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**[i]	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	49637		
Email Address	rkuyper@berrypc.com	Add Email	Remove Email

Application Information:

Title of the Invention	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES		
Attorney Docket Number	TLM-103C1CON4	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		**Sub Class (if any)**	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	11	**Suggested Figure for Publication (if any)**	

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S. C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)

PTO/SB/14 (11-08)
Approved for use through 06/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	TLM-103C1CON4
	Application Number	
Title of Invention	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES	

Customer Number	49637

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	11948965	2007-11-30

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
11948965	Division of	10426279	2003-04-30	7324635	2008-01-29

Prior Application Status	Patented				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 Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

Remove

Application Number	Country [i]	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			◉ Yes ○ No

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

Assignee Information:

Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office.

Assignee 1 Remove

If the Assignee is an Organization check here. ☒

Organization Name	Telemaze LLC

PTO/SB/14 (11-08)
Approved for use through 06/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	TLM-103C1CON4
	Application Number	
Title of Invention	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES	

Mailing Address Information:			
Address 1			
Address 2			
City		**State/Province**	
Country [i]		Postal Code	
Phone Number		Fax Number	
Email Address			
Additional Assignee Data may be generated within this form by selecting the **Add** button.		Add	

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.					
Signature	/Reena Kuyper/			Date (YYYY-MM-DD)	2010-06-22
First Name	Reena	Last Name	Kuyper	Registration Number	33830

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

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

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

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

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

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

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

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

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

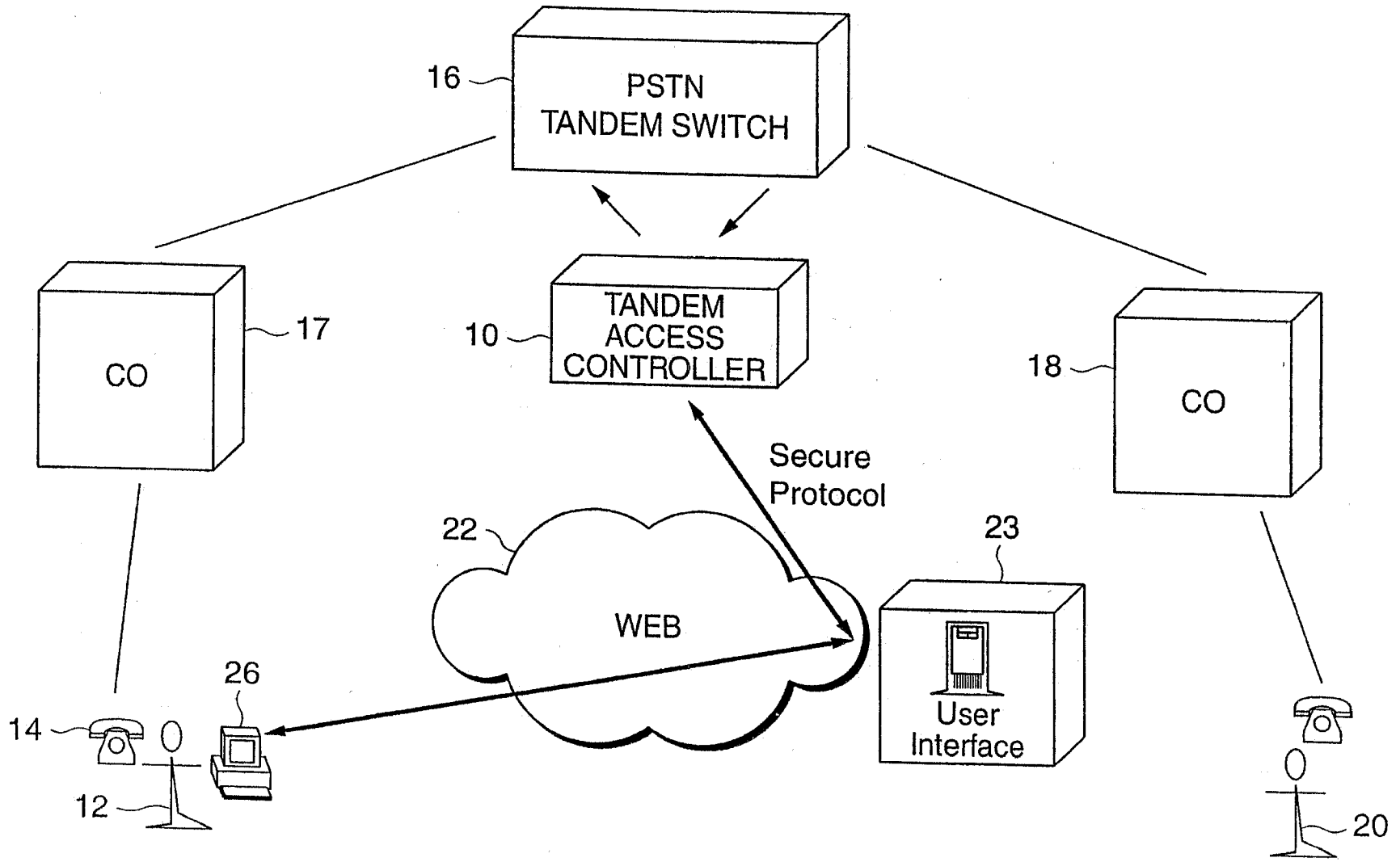


FIG. 1

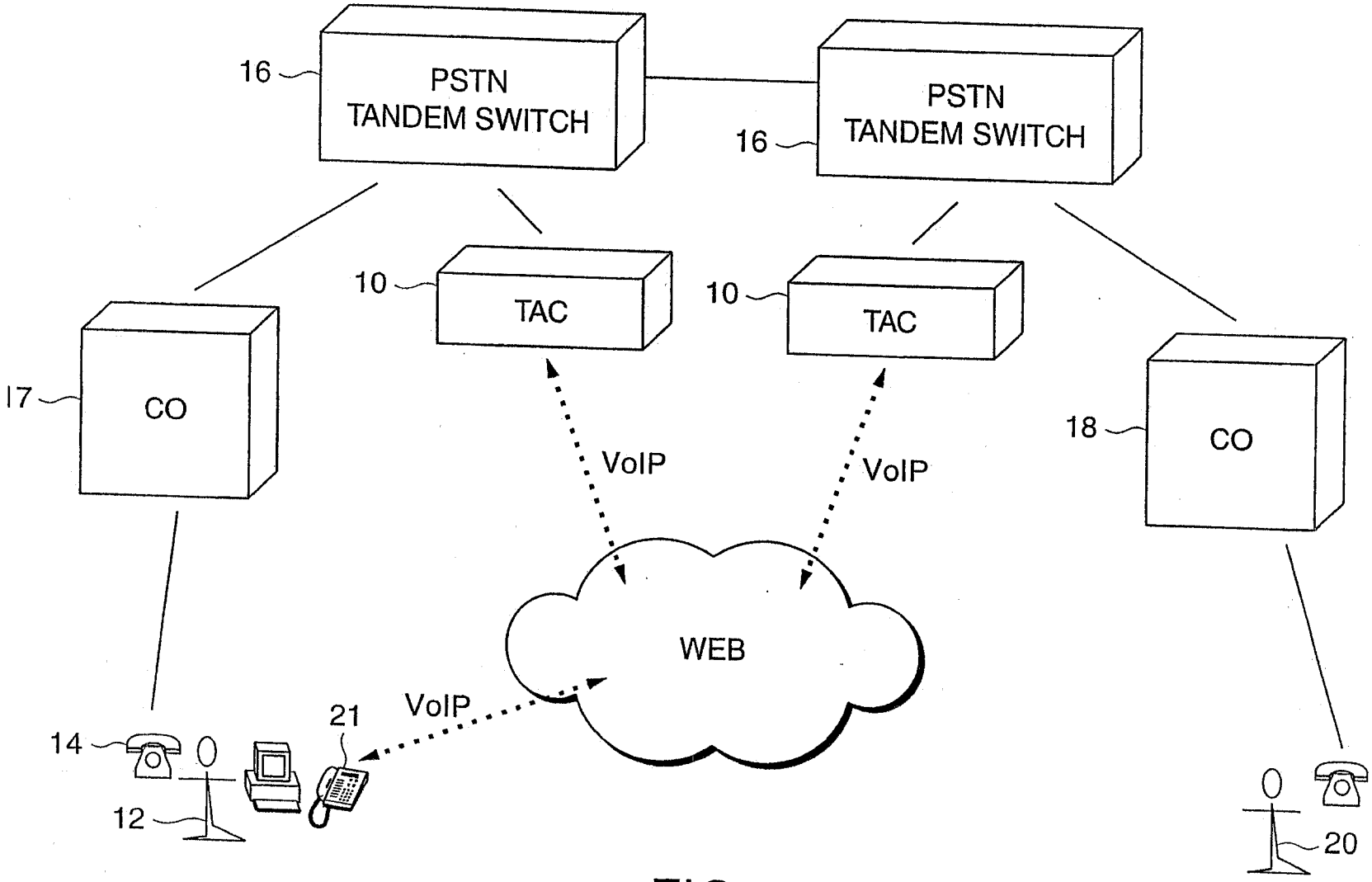


FIG. 2

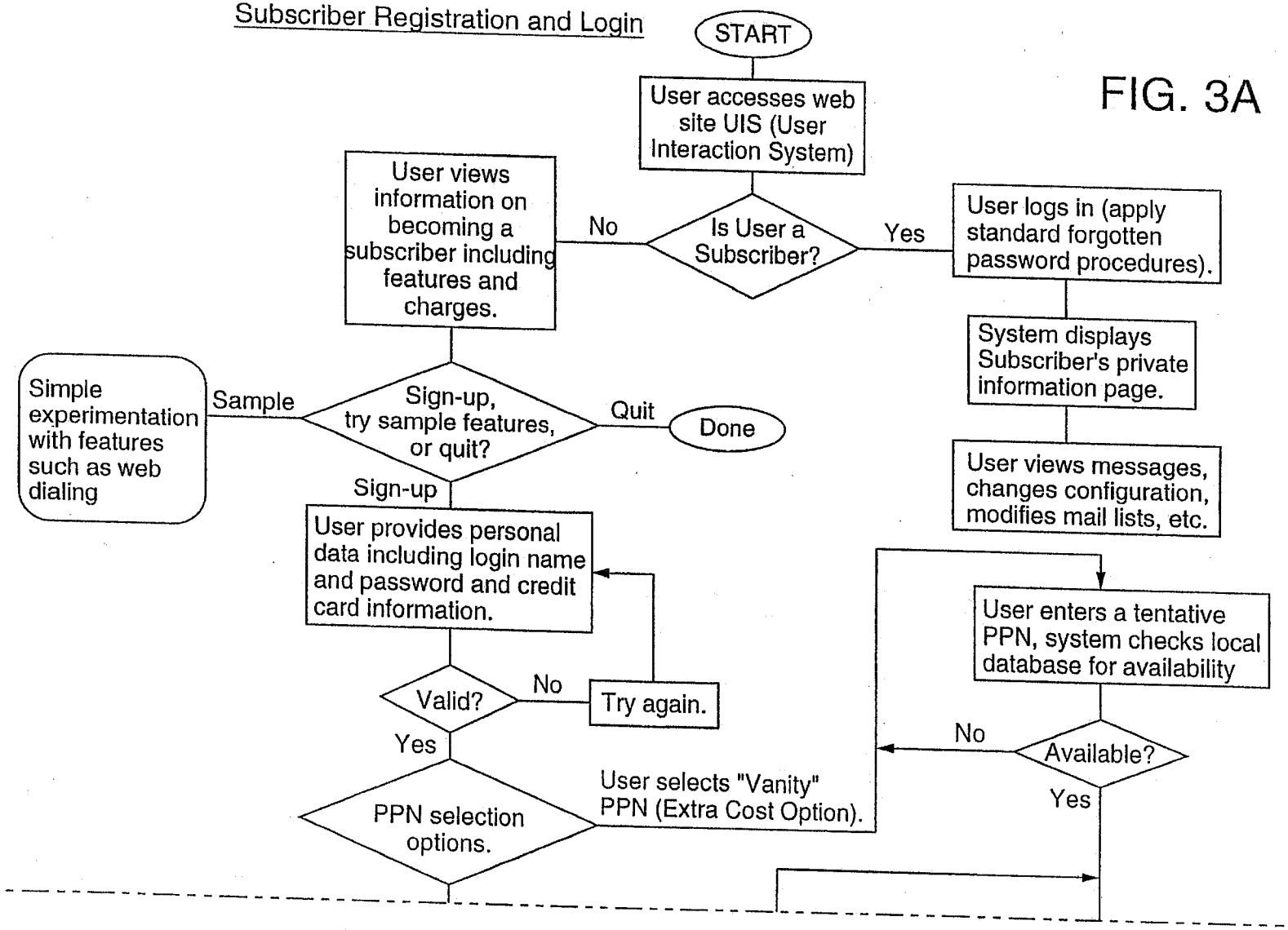
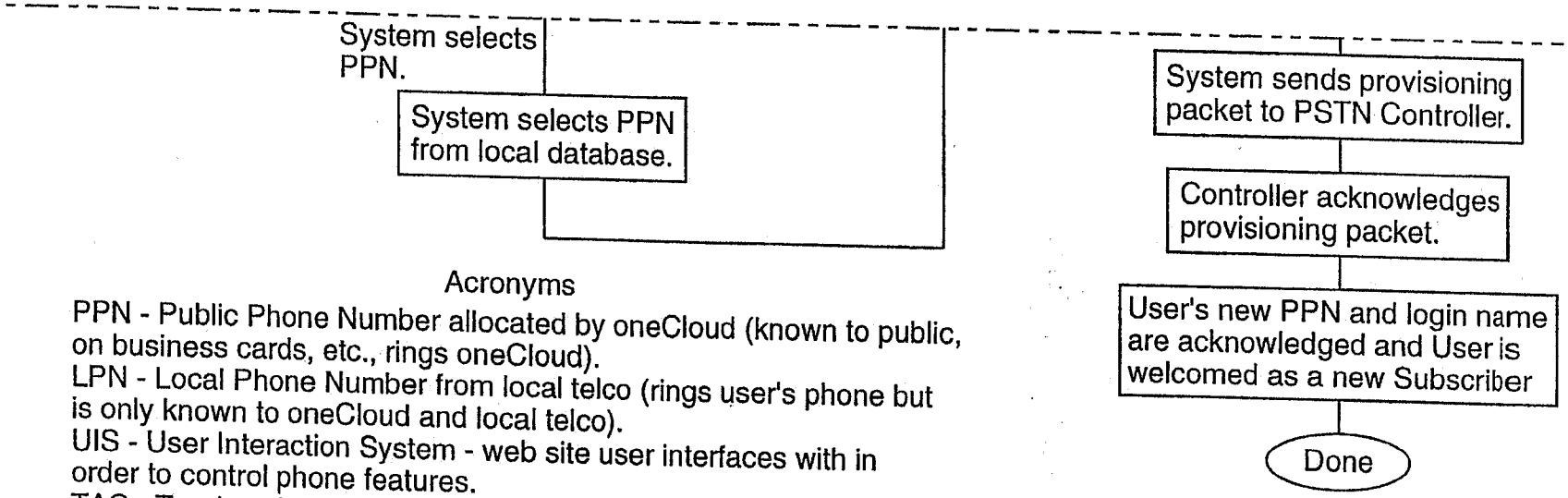

Subscriber Registration and Login
START
User accesses web site UIS (User Interaction System)
Is User a Subscriber?
No
Yes
User views information on becoming a subscriber including features and charges.
User logs in (apply standard forgotten password procedures).
System displays Subscriber's private information page.
User views messages, changes configuration, modifies mail lists, etc.
Simple experimentation with features such as web dialing
Sample
Sign-up, try sample features, or quit?
Quit
Done
Sign-up
User provides personal data including login name and password and credit card information.
Valid?
No
Try again.
Yes
PPN selection options.
User selects "Vanity" PPN (Extra Cost Option).
User enters a tentative PPN, system checks local database for availability
Available?
No
Yes

FIG. 3A



Acronyms

PPN - Public Phone Number allocated by oneCloud (known to public, on business cards, etc., rings oneCloud).
LPN - Local Phone Number from local telco (rings user's phone but is only known to oneCloud and local telco).
UIS - User Interaction System - web site user interfaces with in order to control phone features.
TAC - Tandem Acces Controller - System that directly accesses the PSTN.

FIG. 3B

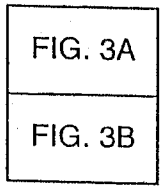


FIG. 3

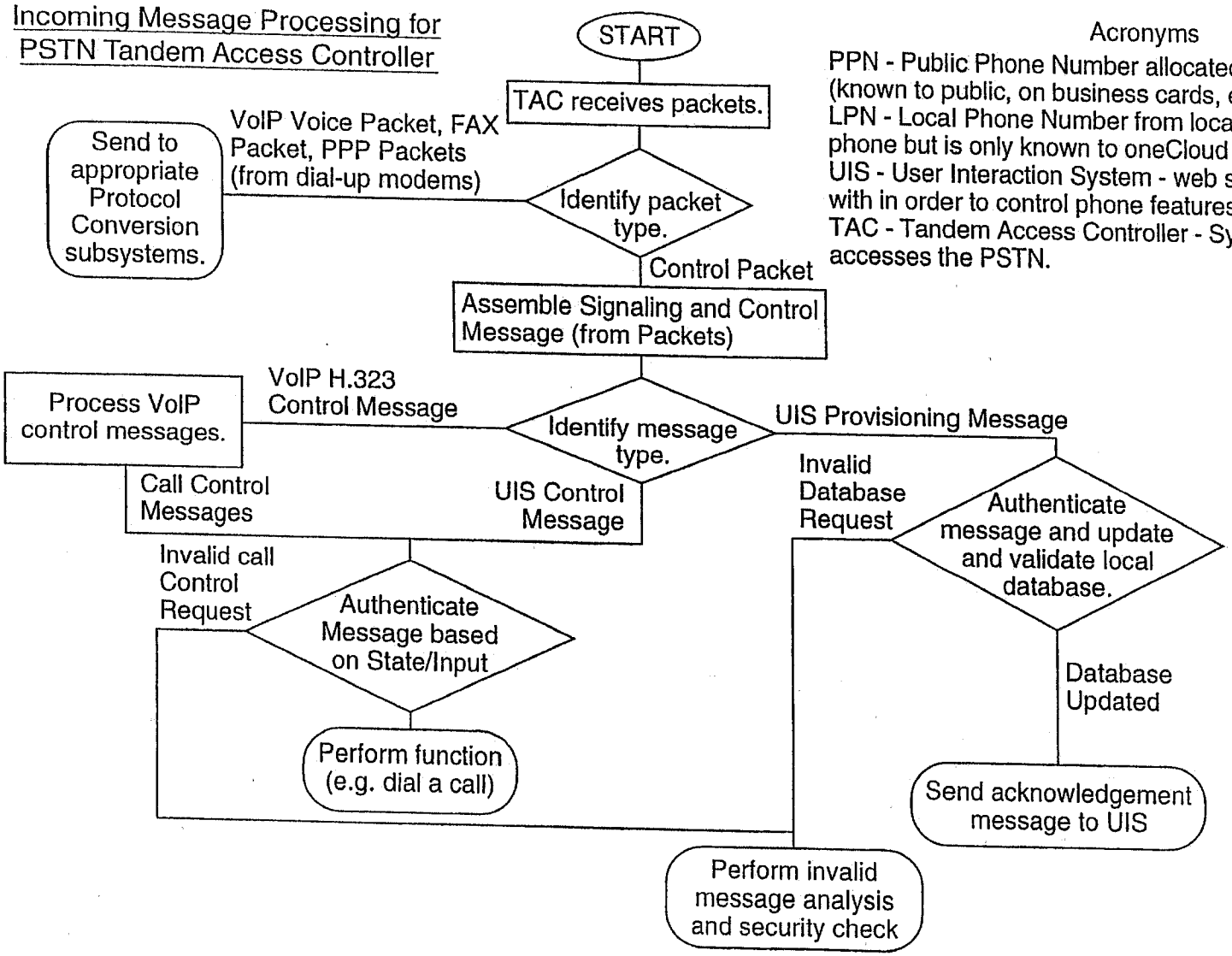


FIG. 4

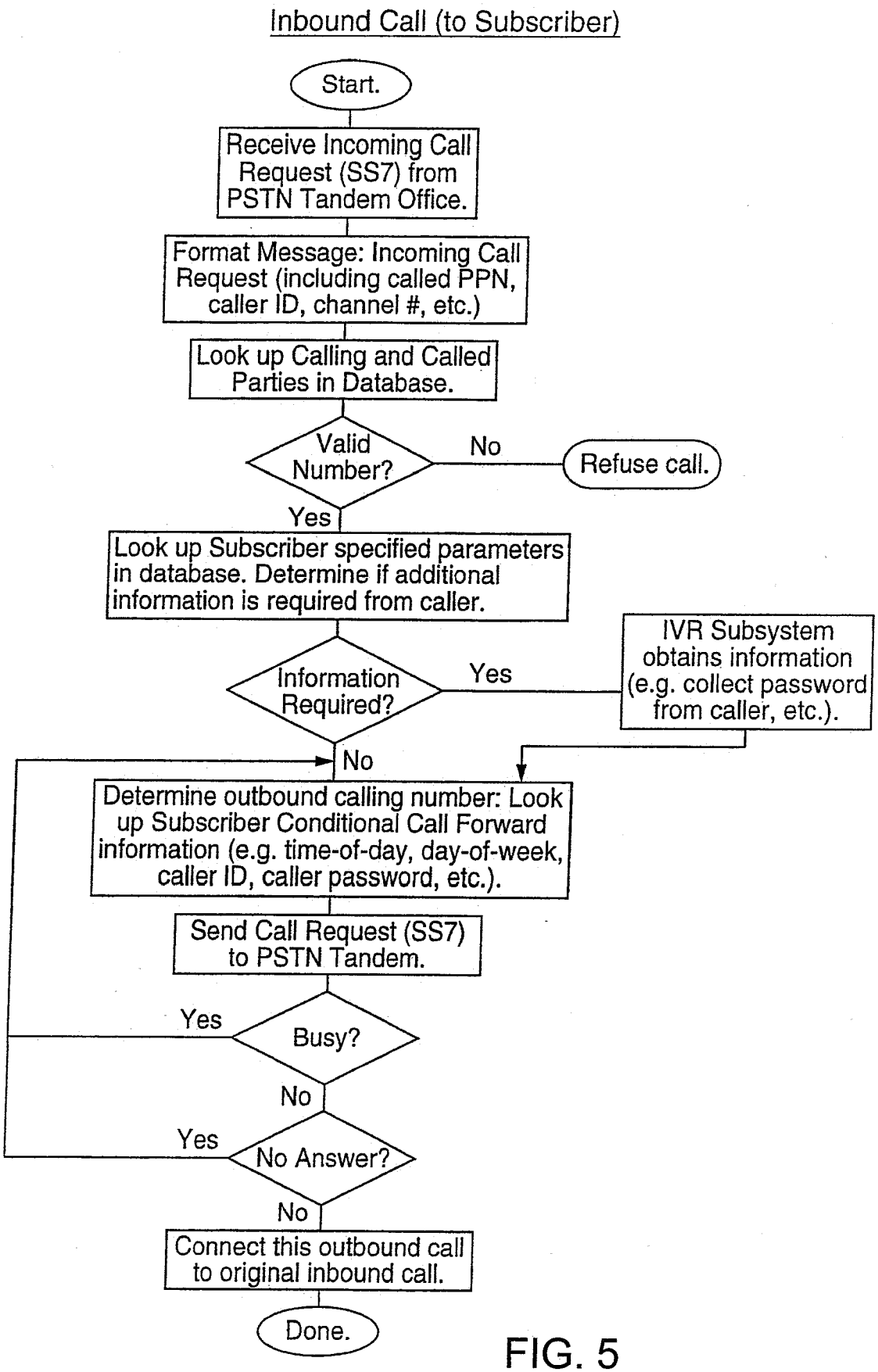

Inbound Call (to Subscriber)
Start.
Receive Incoming Call Request (SS7) from PSTN Tandem Office.
Format Message: Incoming Call Request (including called PPN, caller ID, channel #, etc.)
Look up Calling and Called Parties in Database.
Valid Number?
No
Refuse call.
Yes
Look up Subscriber specified parameters in database. Determine if additional information is required from caller.
Information Required?
Yes
IVR Subsystem obtains information (e.g. collect password from caller, etc.).
No
Determine outbound calling number: Look up Subscriber Conditional Call Forward information (e.g. time-of-day, day-of-week, caller ID, caller password, etc.).
Send Call Request (SS7) to PSTN Tandem.
Yes
Busy?
No
Yes
No Answer?
No
Connect this outbound call to original inbound call.
Done.

FIG. 5

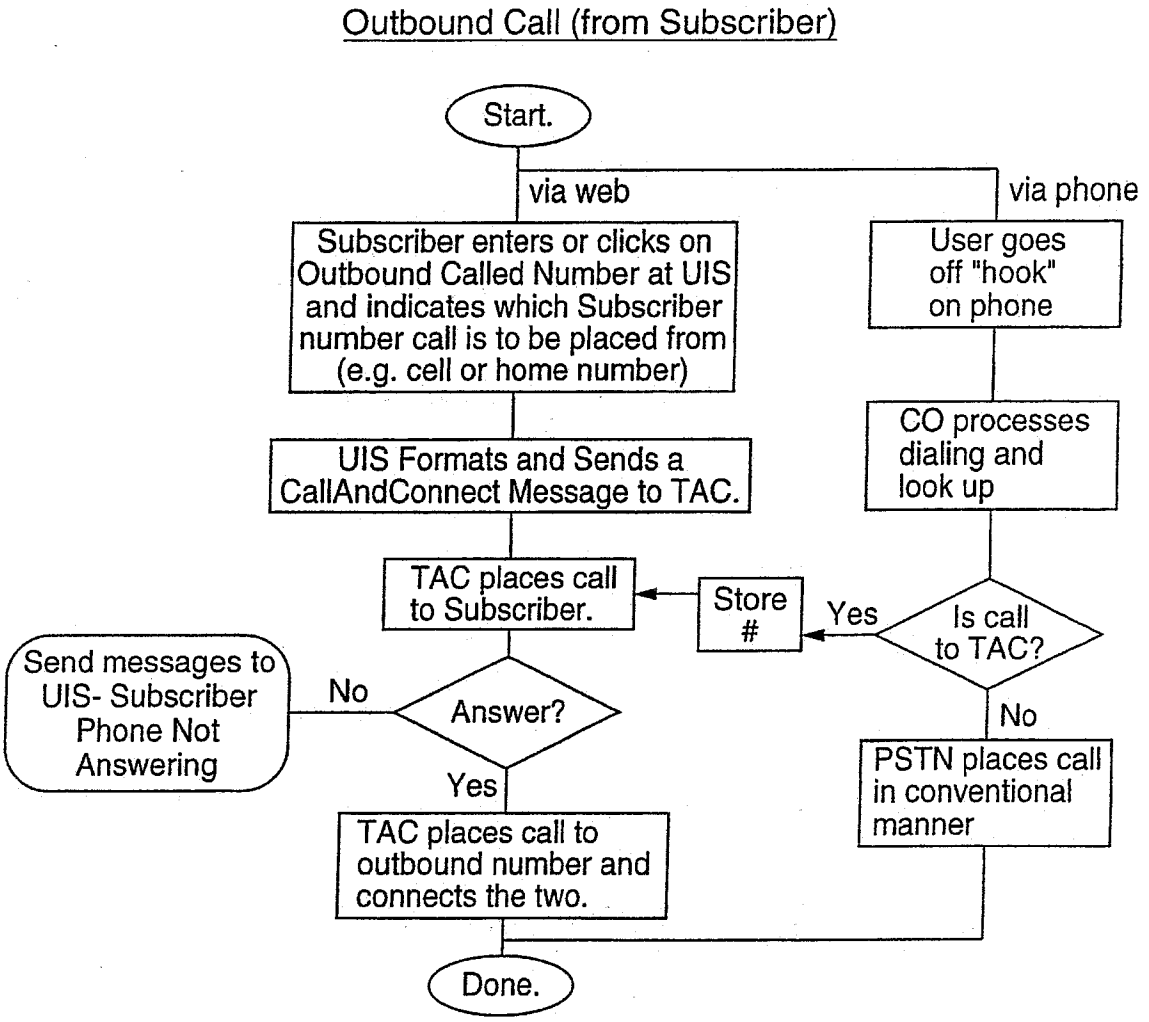

Outbound Call (from Subscriber)
Start.
via web
via phone
Subscriber enters or clicks on Outbound Called Number at UIS and indicates which Subscriber number call is to be placed from (e.g. cell or home number)
User goes off "hook" on phone
UIS Formats and Sends a CallAndConnect Message to TAC.
CO processes dialing and look up
TAC places call to Subscriber.
Store #
Yes
Is call to TAC?
Send messages to UIS- Subscriber Phone Not Answering
No
Answer?
No
PSTN places call in conventional manner
Yes
TAC places call to outbound number and connects the two.
Done.

FIG. 6

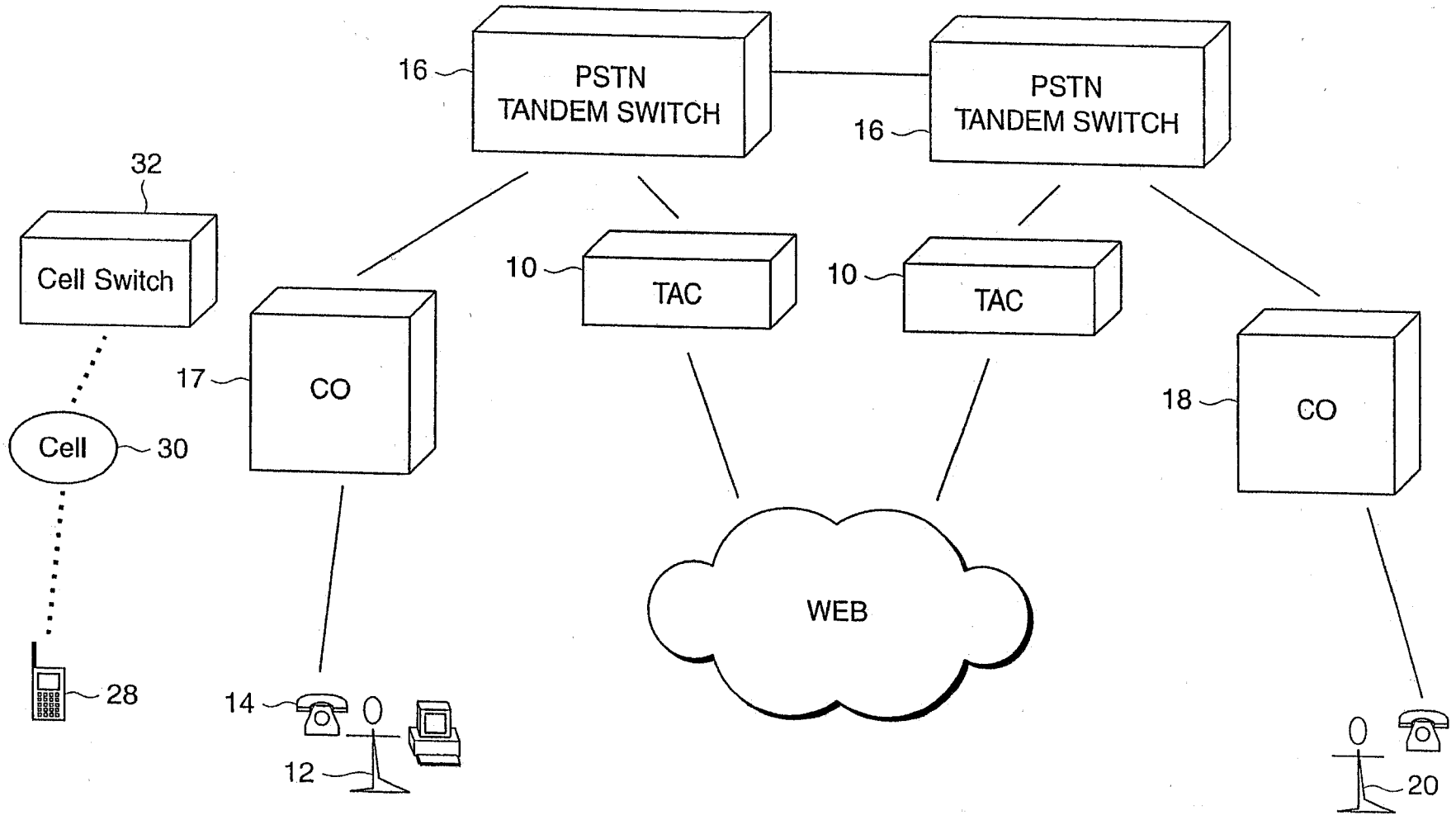


FIG. 7

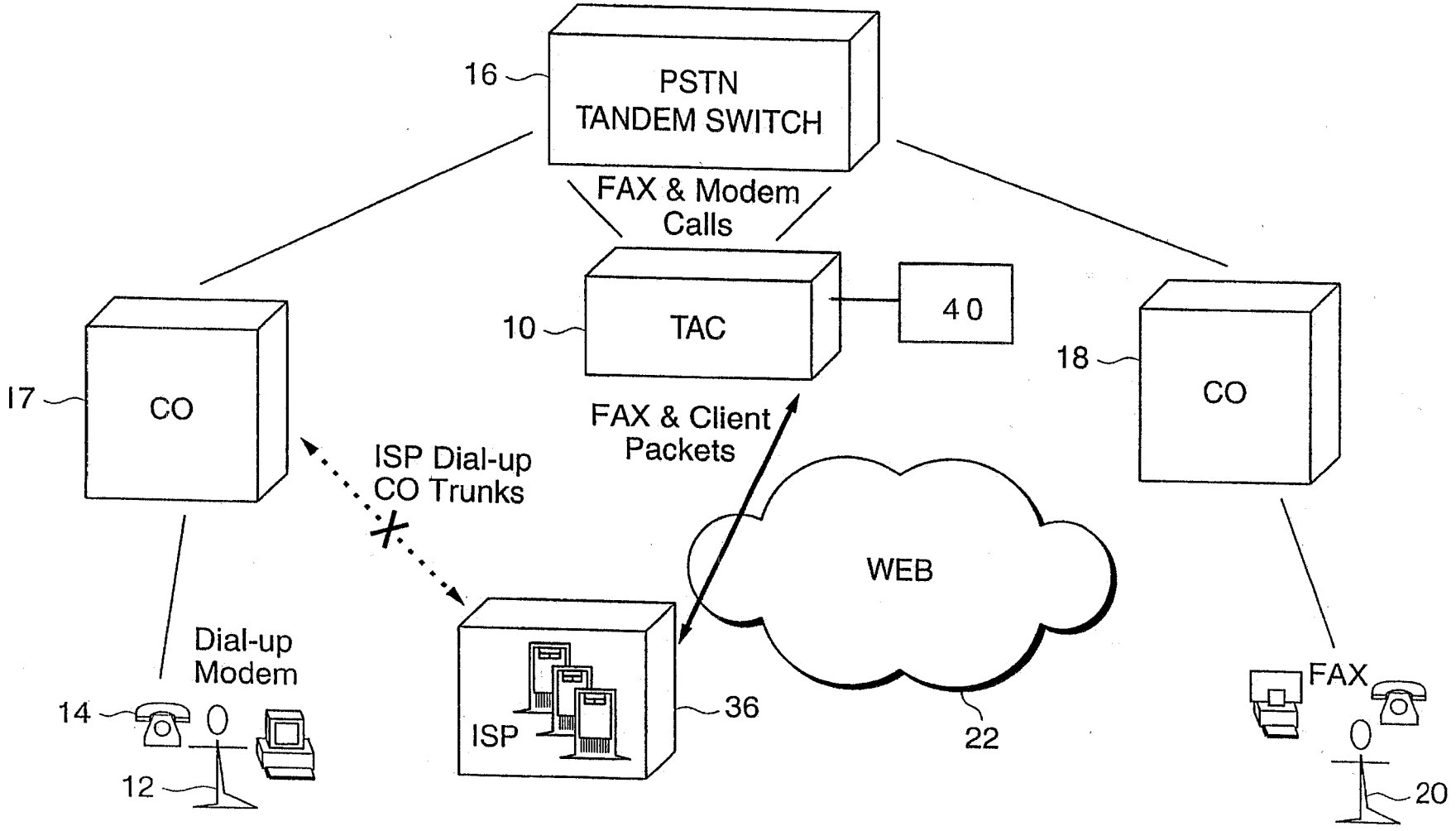


FIG. 8

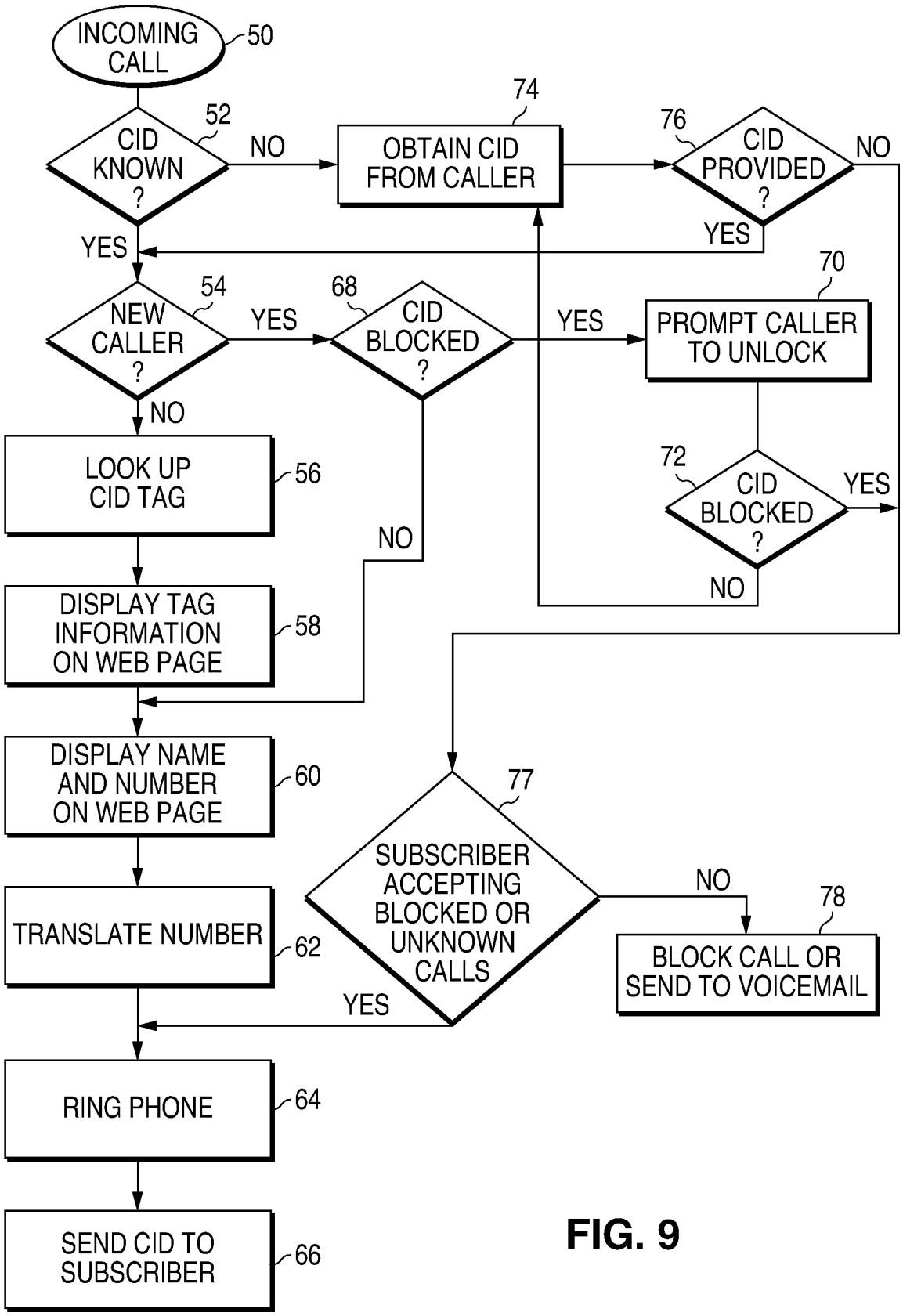

INCOMING CALL
50
CID KNOWN ?
52
NO
OBTAIN CID FROM CALLER
74
CID PROVIDED ?
76
NO
YES
YES
NEW CALLER ?
54
YES
CID BLOCKED ?
68
YES
PROMPT CALLER TO UNLOCK
70
NO
LOOK UP CID TAG
56
CID BLOCKED ?
72
YES
NO
NO
DISPLAY TAG INFORMATION ON WEB PAGE
58
DISPLAY NAME AND NUMBER ON WEB PAGE
60
SUBSCRIBER ACCEPTING BLOCKED OR UNKNOWN CALLS
77
NO
78
BLOCK CALL OR SEND TO VOICEMAIL
TRANSLATE NUMBER
62
YES
RING PHONE
64
SEND CID TO SUBSCRIBER
66

FIG. 9

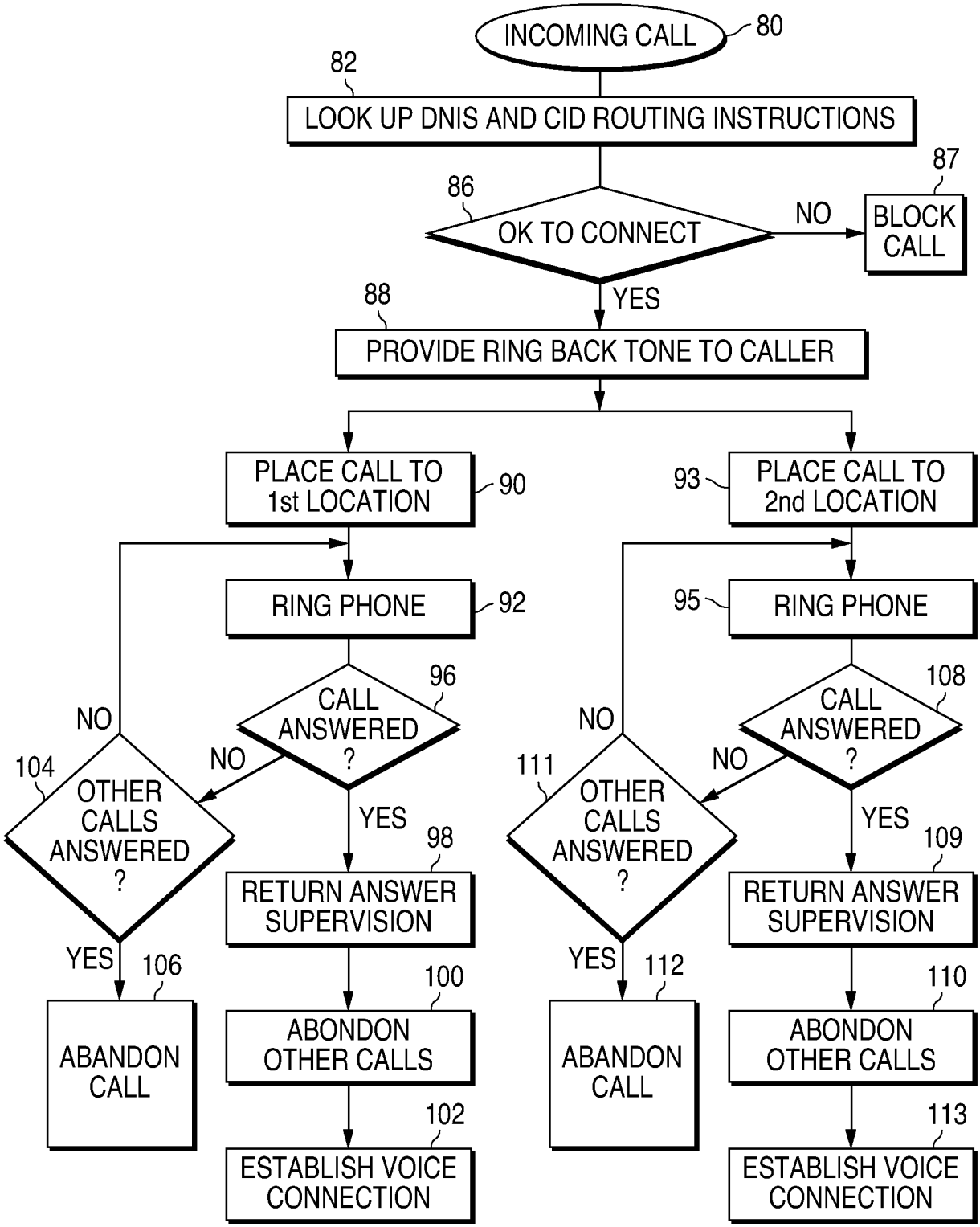

INCOMING CALL
80
82
LOOK UP DNIS AND CID ROUTING INSTRUCTIONS
86
OK TO CONNECT
NO
87
BLOCK CALL
YES
88
PROVIDE RING BACK TONE TO CALLER
PLACE CALL TO 1st LOCATION
90
93
PLACE CALL TO 2nd LOCATION
RING PHONE
92
95
RING PHONE
CALL ANSWERED ?
96
108
NO
NO
YES
YES
104
OTHER CALLS ANSWERED ?
111
OTHER CALLS ANSWERED ?
NO
NO
YES
YES
98
109
RETURN ANSWER SUPERVISION
RETURN ANSWER SUPERVISION
106
112
100
110
ABANDON CALL
ABANDON CALL
ABONDON OTHER CALLS
ABONDON OTHER CALLS
102
113
ESTABLISH VOICE CONNECTION
ESTABLISH VOICE CONNECTION

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			☐	☐

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

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

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

PTO/SB/06 (12-04)

Date: 06/22/10

Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 12/821,119

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	82		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	270		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	110		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	123 minus 20 =	103	x$26	2678	OR	x$52	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	5 minus 3 =	* 2	x$110	220		x$220	
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						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))			195			390	
			TOTAL	3360		TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED – PART II

AMENDMENT A		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					N/A		OR	N/A	
						TOTAL ADD'T FEE		OR	TOTAL ADD'T FEE	

AMENDMENT B		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					N/A		OR	N/A	
						TOTAL ADD'T FEE		OR	TOTAL ADD'T 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.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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