TRADEMARK ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Genband US LLC		110/28/2010 I	Limited Liability Company: DELAWARE

RECEIVING PARTY DATA

Name:	Comerica Bank
Street Address:	39200 Six Mile Road; Mail Code 7512
City:	Livonia
State/Country:	MICHIGAN
Postal Code:	48152
Entity Type:	Banking Association: TEXAS

PROPERTY NUMBERS Total: 23

Property Type	Number	Word Mark
Serial Number:	77627100	s3
Registration Number:	1187459	DCO
Registration Number:	2449025	
Registration Number:	2449024	G6
Registration Number:	2450844	G6
Registration Number:	3653286	G9
Registration Number:	3653287	G9
Registration Number:	3446876	GENBAND
Registration Number:	3742792	GENBAND G2
Registration Number:	2900062	GENERAL BANDWIDTH
Registration Number:	2832296	GENERAL BANDWIDTH
Registration Number:	3374331	INTELLICONNECT
Registration Number:	2972592	NETSCAN
Registration Number:	3386856	NETWORK WITHOUT LIMITS
		TRADEMARK

REEL: 004411 FRAME: 0573

Registration Number:	3367161	NETWORK WITHOUT LIMITS
Registration Number:	3171496	NEXTONE
Registration Number:	3171497	NEXTONE
Registration Number:	2845355	S SANTERA
Registration Number:	2559814	SANTERAONE
Registration Number:	1109917	D M S
Registration Number:	2750927	SUCCESSION
Registration Number:	1613373	SUPERNODE
Registration Number:	1037809	TOPS

CORRESPONDENCE DATA

Fax Number: (949)720-0182

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 949-224-6282

Email: trademark@buchalter.com

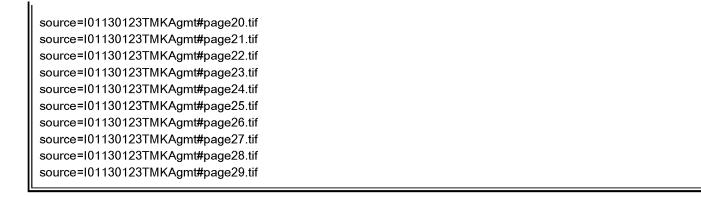
Correspondent Name: Sandra P. Thompson

Address Line 1: 18400 Von Karman Ave., Suite 800 Address Line 4: Irvine, CALIFORNIA 92612-0514

ATTORNEY DOCKET NUMBER:	10113-0123
NAME OF SUBMITTER:	Sandra P. Thompson
Signature:	/Sandra P. Thompson/
Date:	11/09/2010

Total Attachments: 29

source=I01130123TMKAgmt#page1.tif source=I01130123TMKAgmt#page2.tif source=I01130123TMKAgmt#page3.tif source=I01130123TMKAgmt#page4.tif source=I01130123TMKAgmt#page5.tif source=I01130123TMKAgmt#page6.tif source=I01130123TMKAgmt#page7.tif source=I01130123TMKAgmt#page8.tif source=I01130123TMKAgmt#page9.tif source=I01130123TMKAgmt#page10.tif source=I01130123TMKAgmt#page11.tif source=I01130123TMKAgmt#page12.tif source=I01130123TMKAgmt#page13.tif source=I01130123TMKAgmt#page14.tif source=I01130123TMKAgmt#page15.tif source=I01130123TMKAgmt#page16.tif source=I01130123TMKAgmt#page17.tif source=I01130123TMKAgmt#page18.tif source=I01130123TMKAgmt#page19.tif





INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (the "Agreement") is made as of October 28, 2010, by and between **GENBAND US LLC**, a Delaware limited liability company ("Grantor"), and **COMERICA BANK**, a banking corporation ("Secured Party").

RECITALS

- A. Secured Party has agreed to lend to Grantor, certain funds (the "Loan") and Grantor desires to borrow such funds from Secured Party pursuant to the terms of a Loan and Security Agreement, dated of even date herewith (together with any other documents, instruments or agreements executed in connection therewith the "Loan Documents"). All capitalized terms used herein without definition shall have the meanings ascribed to them in the Loan Documents.
- B. In order to induce Secured Party to make the Loan, Grantor has agreed to grant a security interest in certain intangible property to Secured Party for purposes of securing the obligations of Grantor to Secured Party under the Loan Documents.

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

- 1. <u>Grant of Security Interest</u>. As collateral security for the prompt and complete payment and performance of all of Grantor's present or future indebtedness, obligations and liabilities to Secured Party under the Loan Documents, Grantor hereby grants a security interest to Secured Party, as security, in and to Grantor's entire right, title and interest in, to and under the following (all of which shall collectively be called the "Collateral"):
- (a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");
- (b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;
- (c) Any and all design rights which may be available to Grantor now or hereafter existing, created, acquired or held;
- (d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on $\underline{\text{Exhibit B}}$ attached hereto (collectively, the "Patents");

- (e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");
- (f) Any and all claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;
- (g) All licenses or other rights to use any of the Copyrights, Patents or Trademarks, and all license fees and royalties arising from such use to the extent permitted by such license or rights; and
- (h) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks or Patents; and
- (i) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.
- 2. <u>Authorization and Request</u>. Grantor authorizes and requests that the Register of Copyrights and the Commissioner of Patents and Trademarks record this security agreement.

3. [Reserved].

- 4. <u>Secured Party's Rights</u>. Secured Party shall have the right, but not the obligation, to take, at Grantor's sole expense, any actions that Grantor is required under this Agreement or any other Loan Document to take with respect to the Collateral but which Grantor fails to take, after fifteen (15) days' notice to Grantor. Grantor shall reimburse and indemnify Secured Party for all reasonable costs and expenses incurred in the reasonable exercise of its rights under this Section 4.
- 5. <u>Inspection Rights</u>. Grantor hereby grants to Secured Party and its employees, representatives and agents the right to visit, during reasonable hours upon prior reasonable written notice to Grantor, any of Grantor's plants and facilities that manufacture, install or store products (or that have done so during the prior six-month period) that are sold utilizing any of the Collateral, and to inspect the products and quality control records relating thereto upon reasonable notice to Grantor and as often as may be reasonably requested.

6. <u>Further Assurances; Attorney in Fact.</u>

(a) On a continuing basis, Grantor will make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including, appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademark Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as requested by Secured Party, to perfect Secured Party's security interest in all Copyrights, Patents

and Trademarks and otherwise to carry out the intent and purposes of this Agreement, or for assuring and confirming to Secured Party the grant or perfection of a security interest in all Collateral.

- (b) Grantor hereby irrevocably appoints Secured Party as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, from time to time in Secured Party's discretion, to take any action and to execute any instrument which Secured Party may deem necessary or advisable to accomplish the purposes of this Agreement, including:
- (i) To modify, in its sole discretion, this Agreement without first obtaining Grantor's approval of or signature to such modification by amending Exhibit A, Exhibit B and Exhibit C, hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents or Trademarks acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents or Trademarks in which Grantor no longer has or claims any right, title or interest;
- (ii) To file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Collateral without the signature of Grantor where permitted by law; and
- (iii) After the occurrence of an Event of Default, to transfer the Collateral into the name of Secured Party or a third party to the extent permitted under the California Uniform Commercial Code.
- 7. **Events of Default**. The occurrence of an "Event of Default" under any Loan Document shall constitute an Event of Default under this Agreement.
- Remedies. Upon the occurrence of an Event of Default, Secured Party shall have the right to exercise all the remedies of a secured party under the California Uniform Commercial Code, including without limitation the right to require Grantor to assemble the Collateral and any tangible property in which Secured Party has a security interest and to make it available to Secured Party at a place designated by Secured Party. Secured Party shall have a nonexclusive, royalty free license to use the Copyrights, Patents and Trademarks to the extent reasonably necessary to permit Secured Party to exercise its rights and remedies upon the occurrence of an Event of Default. Grantor will pay any expenses (including attorneys' fees) incurred by Secured Party in connection with the exercise of any of Secured Party's rights hereunder, including without limitation any expense incurred in disposing of the Collateral. All of Secured Party's rights and remedies with respect to the Collateral shall be cumulative.
- 9. <u>Indemnity</u>. Grantor agrees to defend, indemnify and hold harmless Secured Party and its officers, employees, and agents against: (a) all obligations, demands, claims, and liabilities claimed or asserted by any other party in connection with the transactions contemplated by this Agreement, and (b) all losses or expenses in any way suffered, incurred, or paid by Secured Party as a result of or in any way arising out of, following or consequential to transactions between Secured Party and Grantor, whether under this Agreement or otherwise

(including without limitation attorneys fees and expenses), except for losses arising from or out of Secured Party's gross negligence or willful misconduct.

- 10. <u>Course of Dealing</u>. No course of dealing, nor any failure to exercise, nor any delay in exercising any right, power or privilege hereunder shall operate as a waiver thereof.
- 11. <u>Attorneys Fees</u>. If any action relating to this Agreement is brought by either party hereto against the other party, the prevailing party shall be entitled to recover reasonable attorneys fees, costs and disbursements.
- 12. <u>Amendments</u>. Subject to Section 6(b)(i) hereof, this Agreement may be amended only by a written instrument signed by both parties hereto.
- 13. <u>Counterparts</u>. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

14. Choice of Law and Venue; Jury Trial Waiver[; Judicial Reference].

- (a) Choice of Law. THE VALIDITY OF THIS AGREEMENT AND THE OTHER LOAN DOCUMENTS (UNLESS EXPRESSLY PROVIDED TO THE CONTRARY IN ANOTHER LOAN DOCUMENT IN RESPECT OF SUCH OTHER LOAN DOCUMENT), THE CONSTRUCTION, INTERPRETATION, AND ENFORCEMENT HEREOF AND THEREOF, AND THE RIGHTS OF THE PARTIES HERETO AND THERETO WITH RESPECT TO ALL MATTERS ARISING HEREUNDER OR THEREUNDER OR RELATED HERETO OR THERETO SHALL BE DETERMINED UNDER, GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH THE INTERNAL LAWS OF THE STATE OF CALIFORNIA, WITHOUT REGARD FOR PRINCIPLES OF CONFLICTS OF LAWS.
- (b) Choice of Venue. THE PARTIES AGREE THAT ALL ACTIONS OR PROCEEDINGS ARISING IN CONNECTION WITH THIS AGREEMENT AND THE OTHER LOAN DOCUMENTS SHALL BE TRIED AND LITIGATED ONLY IN THE STATE AND FEDERAL COURTS LOCATED IN THE COUNTY OF SANTA CLARA, STATE OF CALIFORNIA, PROVIDED, HOWEVER, THAT ANY SUIT SEEKING ENFORCEMENT AGAINST ANY COLLATERAL OR OTHER PROPERTY MAY BE BROUGHT, AT SECURED PARTY'S OPTION, IN THE COURTS OF ANY JURISDICTION WHERE SECURED PARTY ELECTS TO BRING SUCH ACTION OR WHERE SUCH COLLATERAL OR OTHER PROPERTY MAY BE FOUND. GRANTOR AND SECURED PARTY WAIVE, TO THE EXTENT PERMITTED UNDER APPLICABLE LAW, ANY RIGHT EACH MAY HAVE TO ASSERT THE DOCTRINE OF FORUM NON CONVENIENS OR TO OBJECT TO VENUE TO THE EXTENT ANY PROCEEDING IS BROUGHT IN ACCORDANCE WITH THIS SECTION 14.
- (c) Jury Trial Waiver. GRANTOR AND SECURED PARTY HEREBY WAIVE THEIR RESPECTIVE RIGHTS TO A JURY TRIAL OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF THIS AGREEMENT OR ANY OF THE LOAN DOCUMENTS OR ANY OF THE TRANSACTIONS CONTEMPLATED HEREIN OR THEREIN, INCLUDING CONTRACT CLAIMS, TORT CLAIMS, BREACH OF DUTY

CLAIMS, AND ALL OTHER COMMON LAW OR STATUTORY CLAIMS. GRANTOR AND SECURED PARTY REPRESENT THAT EACH HAS REVIEWED THIS WAIVER AND EACH KNOWINGLY AND VOLUNTARILY WAIVES ITS JURY TRIAL RIGHTS FOLLOWING CONSULTATION WITH LEGAL COUNSEL. IN THE EVENT OF LITIGATION, A COPY OF THIS AGREEMENT MAY BE FILED AS A WRITTEN CONSENT TO A TRIAL BY THE COURT.

(d) Judicial Reference.

- (i) The parties prefer that any dispute between them be resolved in litigation subject to a jury trial waiver as set forth in subsection (c) above, but the California Supreme Court has held that pre-dispute waivers of the right to jury trial that are not authorized by statute are unenforceable. The provisions contained in this Section 14(d) will be applicable until (1) the California Supreme Court holds that a pre-dispute jury trial waiver provision similar to that contained in Section 14(c) is valid and enforceable; or (2) the California legislature enacts a statute which becomes law, authorizing pre-dispute jury trial waivers similar to that contained in Section 14(c) and, as a result, such waivers become enforceable.
- (ii) Other than (1) nonjudicial foreclosure of security interests in real or personal property, (2) the appointment of a receiver or (3) the exercise of other provisional remedies (any of which may be initiated pursuant to applicable law), any controversy, dispute or claim (each, a "Claim") between the parties arising out of or relating to this Agreement, will be resolved by a reference proceeding in California in accordance with the provisions of Section 638 <u>et seq.</u> of the California Code of Civil Procedure ("CCP"), or their successor sections, which shall constitute the exclusive remedy for the resolution of any Claim, including whether the Claim is subject to the reference proceeding. Except as otherwise provided in this Agreement, venue for the reference proceeding will be in the Superior Court or Federal District Court in the County or District where venue is otherwise appropriate under applicable law (the "Court").
- (iii) The referee shall be a retired Judge or Justice selected by mutual written agreement of the parties. If the parties do not agree, the referee shall be selected by the Presiding Judge of the Court (or his or her representative). A request for appointment of a referee may be heard on an ex parte or expedited basis, and the parties agree that irreparable harm would result if ex parte relief is not granted. The referee shall be appointed to sit with all the powers provided by law. Each party shall have one peremptory challenge pursuant to CCP §170.6. Pending appointment of the referee, the Court has power to issue temporary or provisional remedies.
- (iv) The parties agree that time is of the essence in conducting the reference proceedings. Accordingly, the referee shall be requested to (1) set the matter for a status and trial-setting conference within fifteen (15) days after the date of selection of the referee, (2) if practicable, try all issues of law or fact within ninety (90) days after the date of the conference and (3) report a statement of decision within twenty (20) days after the matter has been submitted for decision. Any decision rendered by the referee will be final, binding and conclusive, and judgment shall be entered pursuant to CCP §644.

- (v) The referee will have power to expand or limit the amount and duration of discovery. The referee may set or extend discovery deadlines or cutoffs for good cause, including a party's failure to provide requested discovery for any reason whatsoever. Unless otherwise ordered, no party shall be entitled to "priority" in conducting discovery, depositions may be taken by either party upon seven (7) days written notice, and all other discovery shall be responded to within fifteen (15) days after service. All disputes relating to discovery which cannot be resolved by the parties shall be submitted to the referee whose decision shall be final and binding.
- (vi) Except as expressly set forth in this Agreement, the referee shall determine the manner in which the reference proceeding is conducted including the time and place of hearings, the order of presentation of evidence, and all other questions that arise with respect to the course of the reference proceeding. All proceedings and hearings conducted before the referee, except for trial, shall be conducted without a court reporter, except that when any party so requests, a court reporter will be used at any hearing conducted before the referee, and the referee will be provided a courtesy copy of the transcript. The party making such a request shall have the obligation to arrange for and pay the court reporter. Subject to the referee's power to award costs to the prevailing party, the parties will equally share the cost of the referee and the court reporter at trial.
- (vii) The referee shall be required to determine all issues in accordance with existing case law and the statutory laws of the State of California. The rules of evidence applicable to proceedings at law in the State of California will be applicable to the reference proceeding. The referee shall be empowered to enter equitable as well as legal relief, provide all temporary or provisional remedies, enter equitable orders that will be binding on the parties and rule on any motion which would be authorized in a trial, including without limitation motions for summary judgment or summary adjudication. The referee shall issue a decision at the close of the reference proceeding which disposes of all claims of the parties that are the subject of the reference. The referee's decision shall be entered by the Court as a judgment or an order in the same manner as if the action had been tried by the Court. The parties reserve the right to appeal from the final judgment or order or from any appealable decision or order entered by the referee. The parties reserve the right to findings of fact, conclusions of laws, a written statement of decision, and the right to move for a 'new trial or a different judgment, which new trial, if granted, is also to be a reference proceeding under this provision.
- (viii) If the enabling legislation which provides for appointment of a referee is repealed (and no successor statute is enacted), any dispute between the parties that would otherwise be determined by reference procedure will be resolved and determined by arbitration. The arbitration will be conducted by a retired judge or Justice, in accordance with the California Arbitration Act §1280 through §1294.2 of the CCP as amended from time to time. The limitations with respect to discovery set forth above shall apply to any such arbitration proceeding.
- (ix) THE PARTIES RECOGNIZE AND AGREE THAT ALL DISPUTES RESOLVED UNDER THIS REFERENCE PROVISION WILL BE DECIDED BY A REFEREE AND NOT BY A JURY, AND THAT THEY ARE IN EFFECT WAIVING THEIR RIGHT TO TRIAL BY JURY IN AGREEING TO THIS REFERENCE PROVISION.

AFTER CONSULTING (OR HAVING HAD THE OPPORTUNITY TO CONSULT) WITH COUNSEL OF THEIR OWN CHOICE, EACH PARTY KNOWINGLY AND VOLUNTARILY AND FOR THEIR MUTUAL BENEFIT AGREES THAT THIS REFERENCE PROVISION WILL APPLY TO ANY DISPUTE BETWEEN THEM WHICH ARISES OUT OF OR IS RELATED TO THIS AGREEMENT AND THE LOAN DOCUMENTS.

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[Signature Pages Follow]

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IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

Address of Grantor:

3605 E. Plano Parkway, Suite 100

Plano, TX 75074

Attn: CFO

GRANTOR:

GENBAND US LLC,

A Delaware limited liability company

By: Time Eller MAIFURD Its: CFO & EVP

Address of Secured Party:

Livonia Operations Center Mail Code 7512 39200 Six Mile Road Livonia, MI 48152 Attn: Credit Manager

With a copy to:

1201 East Beltline Road, Suite 150 Richardson, TX 75081 Attn: Stu Bell

SECURED PARTY:

COMERICA BANK, a banking corporation

By: STEE Name: She Bell Its: Vice President

EXHIBIT A

List of Copyrights

Copyright Registrations:

REGISTRATION NUMBER	TITLE	COUNTRY	REGISTRATION DATE*
TX 6-022-716	DCO: release 17.3 source code.	US	2004-08-24
TX 6-001-903	DCO: Release 19 source code.	US	2004-08-31
TXu 1-148-476	DCO Release 2.2.	US	2003-09-29
TX 5-979-406	EGSNO – TMS3205 firmware assembly code.	US	2003-09-29
TX 5-964-504	DCO Release 21 software.	US	2003-10-07
TX 5-902-154	RTIF prom source code.	US	2003-09-29
TX 5-880-407	DCO.	US	2003-09-29
TX 5-867-378	DCO Release 24 software.	US	2003-09-29
TX 6-029-787	Rtcrom151.txt: RTC EPROM startup routine / author, Roger M. Sullivan.	US	2002-11-05

^{*}According to Public Records

Copyright Applications:

None

EXHIBIT B

List of Patents

Patents:

PATENT NUMBER	TITLE
6512764	METHOD AND APPARATUS FOR PROVIDING VOICE SIGNALS
01/28/2003	TO AND FROM A TELECOMMUNICATIONS SWITCH
6594704	METHOD OF MANAGING AND USING MULTIPLE VIRTUAL
07/15/2003	PRIVATE NETWORKS IN A ROUTER WITH A SINGLE ROUTING TABLE
7099310	METHOD AND APPARATUS FOR PROVIDING VOICE SIGNALS
08/29/2006	TO AND FROM A TELECOMMUNICATIONS SWITCH
6404763	SYSTEM AND METHOD FOR COMMUNICATING
06/11/2002	TELECOMMUNICATION INFORMATION BETWEEN NETWORK
	EQUIPMENT AND A PLURALITY OF LOCAL LOOP CIRCUITS
6512762	SYSTEM AND METHOD FOR COMMUNICATING
01/28/2003	TELECOMMUNICATION INFORMATION BETWEEN CUSTOMER
	PREMISES EQUIPMENT AND NETWORK EQUIPMENT
6466573	SYSTEM AND METHOD FOR COMMUNICATING
10/15/2002	TELECOMMUNICATION INFORMATION BETWEEN A
	TELECOMMUNICATION SWITCH AND CUSTOMER PREMISES
	EQUIPMENT
6297958	SYSTEM AND METHOD FOR HOUSING
10/02/2001	TELECOMMUNICATIONS EQUIPMENT
6980511	METHOD OF ACTIVE DYNAMIC RESOURCE ASSIGNMENT IN A
12/27/2005	TELECOMMUNICATIONS NETWORK
6829351	APPARATUS AND METHOD OF REPLACING TELEPHONY
12/07/2004	CARDS WITHOUT DOWN TIME
7016685	SYSTEM AND METHODS OF DYNAMIC LOAD BALANCING
03/21/2006	ACROSS PROCESSOR NODES
7675900	SYSTEM AND METHOD FOR INTERFACING BETWEEN
03/09/2010	SIGNALING PROTOCOLS

Exhibit B

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TRADEMARK

PATENT NUMBER	TITLE
6839342	SYSTEM AND METHOD FOR INTERFACING SIGNALING
01/04/2005	INFORMATION AND VOICE TRAFFIC
7184427	SYSTEM AND METHOD FOR COMMUNICATING
02/27/2007	TELECOMMUNICATION INFORMATION FROM A BROADBAND NETWORK TO A TELECOMMUNICATION NETWORK
7385963	SYSTEM AND METHOD FOR COMMUNICATING
6/10/2008	TELECOMMUNICATION INFORMATION FROM A TELECOMMUNICATION NETWORK TO A BROADBAND NET
6944191	METHOD OF OPTIMIZING EQUIPMENT UTILIZATION IN
9/13/2005	TELECOMMUNICATION ACCESS NETWORK
6674850	CALL PROCESSING DIGIT TRANSLATION AND
1/6/2004	CHARACTERIZATION
6582241	INSERTION/EXTRACTION APPARATUS FOR CIRCUIT CARDS
6/24/2003	
6754221	SYSTEM AND METHOD FOR SELECTING A COMPRESSION
6/22/2004	ALGORITHM ACCORDING TO AN AVAILABLE BANDWIDTH
7006489	VOICE PACKET SWITCHING SYSTEM AND METHOD
2/28/2006	
6483029	CALL PROCESSING DIGIT TRANSLATION AND
1/6/2004	CHARACTERIZATION
7149182	SYSTEM AND METHOD FOR PROVIDING LIFELINE
12/12/2006	TELECOMMUNICATION SERVICE
6526046	SYSTEM AND METHOD FOR COMMUNICATING
2/25/2003	TELECOMMUNICATION INFORMATION USING
	ASYNCHRONOUS TRANSFER MODE
6996134	SYSTEM AND METHOD FOR RELIABLY COMMUNICATING
2/7/2006	TELECOMMUNICATION INFORMATION
7245583	SYSTEM AND METHOD FOR PROVIDING LIFELINE
7/17/2007	TELECOMMUNICATION SERVICE TO LINE-POWERED
	CUSTOMER PREMISES EQUIPMENT
7162024	SYSTEM AND METHOD FOR TELEPHONY CALL CONTROL
1/9/2007	
7110368	SYSTEM AND METHOD FOR DISTRIBUTED MULTI-PARTY
9/19/2006	CALL CONTROL

PATENT NUMBER	TITLE	
7170854	SYSTEM AND METHOD USING SWITCH FABRIC TO SUPPORT	
1/30/2007	REDUNDANT NETWORK PORTS	
7016340	SYSTEM AND METHOD FOR TESTING A VOICE GATEWAY	
3/21/2006		
6862644	BACKPLANE ARCHITECTURE FOR A TELECOMMUNICATIONS	
3/1/2005	SYSTEM CHASSIS	
7167473	METHOD FOR DEVICE ADDRESSING USING SNMP	
1/23/2007	COMMUNITY STRING-BASED ROUTING	
7155511	METHOD FOR ENCODING AN INTERFACE INDEX IN A SNMP	
12/26/2006	FORMAT	
6879667	SYSTEM AND METHOD FOR INTERFACING TELEPHONY VOICE	
4/12/2005	SIGNALS WITH A BROADBAND ACCESS NETWORK	
7239628	LINE-POWERED NETWORK INTERFACE DEVICE	
7/3/2007		
7120153	SYSTEM AND METHOD FOR CROSS CONNECTING AN ATM	
10/10/2006	NETWORK AND A TELECOMMUNICATION SWITCH	
7266122	SYSTEM AND METHOD FOR ALLOCATING BANDWIDTH IN A	
9/4/2007	COMMUNICATIONS ENVIRONMENT	
7042859	METHODS AND SYSTEMS FOR PERFORMING CALL HANDOVER	
05/09/2006	IN A MEDIA GATEWAY	
7424025	METHODS AND SYSTEMS FOR PER-SESSION DYNAMIC	
09/09/2008	MANAGEMENT OF MEDIA GATEWAY RESOURCES	
7092493	METHODS AND SYSTEMS FOR PROVIDING LAWFUL	
8/15/2006	INTERCEPT OF A MEDIA STREAM IN A MEDIA GATEWAY	
7380011	METHODS AND SYSTEMS FOR PER-SESSION NETWORK	
05/27/2008	ADDRESS TRANSLATION (NAT) LEARNING AND FIREWALL	
	FILTERING IN MEDIA GATEWAY	
6977933	METHODS AND SYSTEMS FOR PROVIDING SESSION	
12/20/2005	INITIATION PROTOCOL (SIP) TRUNK GROUPS	
7349344	SYSTEM AND METHOD FOR PERFORMING SUBSCRIBER LOOP	
3/25/2008	TESTING IN AN OPTICAL NETWORK	
6956820	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
10/18/2005	FOR VOICE OVER IP (VOIP) TRAFFIC ENGINEERING AND PATH	
	RESILIENCE USING NETWORK-AWARE MEDIA GATEWAY	
7447220	HODS AND SYSTEMS FOR PACKET CLASSIFICATION WITH	
11/4/2008	IMPROVED MEMORY UTILIZATION IN A MEDIA GATEWAY	

PATENT NUMBER	TITLE
7477623	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS
1/13/2009	FOR CACHING AND RE-USING BEARER CHANNELS FOR
	VOICE-OVER-PACKET (VOP) SESSIONS INVOLVING WIRELESS
	ENTITIES
7613111	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS
11/3/2009	FOR DYNAMIC BLOCKING AND UNBLOCKING OF MEDIA
	OVER PACKET RESOURCES
7453893	METHODS AND APPARATUS FOR GENERATING SESSION
11/18/2008	DETAIL RECORDS
7706290	OBJECT-BASED OPERATION AND MAINTENANCE (OAM)
4/27/2010	SYSTEMS AND RELATED METHODS AND COMPUTER
	PROGRAM PRODUCTS
7616752	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS
11/10/2009	FOR PROVIDING CALL WAITING AND CALLER ID AND FOR
	TOGGLING BETWEEN ACTIVE AND WAITING CALLS USING
	SESSION INITIATION PROTOCOL (SIP)
7716729	METHOD FOR RESPONDING TO DENIAL OF SERVICE ATTACKS
5/11/2010	AT THE SESSION LAYER OR ABOVE
7593415	VOICE PACKET SWITCHING SYSTEMS AND METHODS
9/22/2009	
7616740	METHOD, SYSTEM, AND COMPUTER-READABLE MEDIUM FOR
11/10/2009	SIMULATING A CONVERGED NETWORK WITH A SINGLE
	MEDIA GATEWAY AND MEDIA GATEWAY CONTROLLER
7701857	METHOD, SYSTEM, AND COMPUTER-READABLE MEDIUM FOR
4/20/2010	RESOURCE-BASED ROUTE SELECTION
7492767	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS
2/17/2009	FOR THROTTLING NETWORK ADDRESS TRANSLATION (NAT)
	LEARNING TRAFFIC IN A VOICE OVER IP DEVICE
7570594	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS
8/4/2009	FOR MULTI-PATH SHORTEST-PATH-FIRST COMPUTATIONS
	AND DISTANCE-BASED INTERFACE SELECTION FOR VOIP
	TRAFFIC
7715403	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS
5/11/2010	FOR LOAD BALANCED AND SYMMETRIC PATH
	COMPUTATIONS FOR VOIP TRAFFIC ENGINEERING
7626929	METHODS AND APPARATUS FOR PREDICTIVE CALL
12/01/2009	ADMISSION CONTROL WITHIN A MEDIA OVER INTERNET
. 144	PROTOCOL NETWORK
6381239	MULTIPLE APPLICATION SWITCHING PLATFORM AND
4/30/2002	METHOD
6,233,223	CONTROL OF DISTRIBUTED ALLOCATION OF CHANNELS

PATENT NUMBER	TITLE
6,421,674	METHODS AND SYSTEMS FOR IMPLEMENTING REAL-TIME,
	DISTRIBUTED, HIERARCHICAL DATABASE USING A
	PROXIABLE PROTOCOL
7,274,783	METHODS AND SYSTEMS FOR IMPLEMENTING REAL-TIME,
	DISTRIBUTED, HIERARCHICAL DATABASE USING A
	PROXIABLE PROTOCOL
7,535,823	METHOD AND SYSTEM FOR PROVIDING A SPARING
	MECHANISM IN A CIRCUIT-SWITCHED-TO-PACKET-SWITCHED
	INTERWORKING PERIPHERAL
7,349,533	TELEPHONY TRANSITIONING SYSTEM
7,480,283	VIRTUAL TRUNKING OVER PACKET NETWORKS
7,224,696	ACCESS NODES IN PACKET-BASED COMMUNICATIONS
	NETWORKS
7,640,319	GATEWAY SHARED BY MULTIPLE VIRTUAL PRIVATE
	NETWORKS
7,580,994	METHOD AND APPARATUS FOR ENABLING DYNAMIC SELF-
	HEALING OF MULTI-MEDIA SERVICES
7,649,881	PINNING THE ROUTE OF IP BEARER FLOWS IN A NEXT
	GENERATION NETWORK
6,643,297	NETWORK SERVICE PROVIDER ARCHITECTURE IN
	COMMUNICATIONS NETWORK
7,649,883	IMPROVED NETWORK SERVICE PROVIDER ARCHITECTURE IN
	COMMUNICATIONS NETWORK
6,778,503	AUTOMATED LINE SIGNAL PROCESSING
5,295,183	CONGESTION CONTROL SYSTEM FOR
	TELECOMMUNICATIONS
6,141,342	APPARATUS AND METHOD FOR COMPLETING INTER-SWITCH
	CALLS USING LARGE TRUNK GROUPS
7,269,167	DIRECT END-OFFICE TRUNKING
6,167,126	METHOD FOR FLEXIBLY PROVISIONING SWITCHING DEVICES
	AND A SWITCHING DEVICE INCORPORATING THE SAME
6,654,452	METHOD AND APPARATUS IN A COMMUNICATIONS SYSTEM
	FOR DYNAMIC CALL REJECTION
6,243,449	MASS CALLING EVENT DETECTION AND CONTROL
6,665,402	METHOD AND APPARATUS FOR PERFORMING ECHO
	CANCELLATION
6,683,877	CARRYING VOICE TRAFFIC COVER BROAD BAND NETWORKS
6,614,896	ADVERTISING SYSTEM FOR CALLERS TO BUSY NUMBERS
6,785,840	CALL PROCESSOR SYSTEM AND METHODS
6,694,153	SERVICE CONTROL POINT LOCATION REGISTER FUNCTION
6,611,585	METHOD AND APPARATUS FOR INTELLIGENT RELEASE LINK
	TRUNK

PATENT NUMBER	TITLE		
7,023,860	COMMUNICATIONS NETWORK		
7,046,669	COMMUNICATIONS NETWORK		
6,886,043	COMMUNICATIONS NETWORK		
7,272,136	DUAL TONE MULTI FREQUENCY SIGNAL DETECTION		
7,257,109	DYNAMIC CALL CONTROL		
7,301,905	OVERLOAD CONTROL SYSTEM AND METHOD FOR A		
	TELECOMMUNICATIONS SYSTEM		
7,107,061	ADAPTIVE CALL GAPPING OVERLOAD CONTROL SYSTEM		
	AND METHOD FOR A TELECOMMUNCATIONS SYSTEM		
6,011,846	METHODS AND APPARATUS FOR ECHO SUPPRESSION		
7,619,994	ADAPTER FOR USE WITH A TANDEM-FREE CONFERENCE		
····	BRIDGE		
7,684,317	PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS		
6,728,783	INTELLIGENT NETWORK		
6,026,356	METHODS AND DEVICES FOR NOISE CONDITIONING SIGNALS		
	REPRESENTATIVE OF AUDIO INFORMATION IN COMPRESSED		
	AND DIGITIZED FORM		
6,882,721	METHOD AND APPARATUS ENABLING LOCAL NUMBER		
	PORTABILITY IN TELEPHONE NETWORKS		
7,058,068	SESSION INITIATION PROTOCOL BASED ADVANCED		
	INTELLIGENT NETWORK/INTELLIGENT NETWORK		
(2((205	MESSAGING		
6,266,395	SINGLE-ENDED SUBSCRIBER LOOP QUALIFICATION FOR XDSL		
7 201 700	SERVICE		
7,391,780	METHOD AND APPARATUS FOR STATISTICAL PREDICTION OF		
5.012.107	ACCESS BANDWIDTH ON AN XDSL NETWORK		
5,913,187	NONLINEAR FILTER FOR NOISE SUPPRESSION IN LINEAR		
6,359,979	PREDICTION SPEECH PROCESSING DEVICES		
0,339,979	ENHANCED CALL ROUTING IN COMPETITIVE TELEPHONE		
7,515,583	NETWORKS (ECR-CLTN)		
7,313,363	METHOD AND APPARATUS FOR PROVIDING A CONFIGURABLE		
	QUALITY OF SERVICE THRESHOLD FOR VOICE OVER INTERNET PROTOCOL		
6,778,494	LABEL SWITCHED MEDIA GATEWAY AND NETWORK		
6,687,251			
0,007,231	METHOD AND APPARATUS FOR DISTRIBUTED MTP LEVEL 2 ARCHITECTURE		
6,424,635	ADAPTIVE NONLINEAR PROCESSOR FOR ECHO		
O, 147,0 <i>00</i>	CANCELLATION		
6,885,658	METHOD AND APPARATUS FOR INTERNETWORKING		
0,000,000	BETWEEN IP TELEPHONY PROTOCOLS		
6,088,328	SYSTEM AND METHOD FOR RESTORING FAILED		
0,000,020	COMMUNICATION SERVICES		

PATENT NUMBER	TITLE	
6,678,264	ESTABLISHING CONNECTIONS WITH A PRE-SPECIFIED	
	QUALITY OF SERVICE ACROSS A COMMUNICATIONS	
	NETWORK	
6,888,839	METHOD AND APPARATUS FOR TUNNELING OPERATING	
	CODES TO AND FROM A CALL SERVER IN A PACKET	
	NETWORK	
7,146,410	SYSTEM AND METHOD FOR EXECUTING CONTROL	
	PROTOCOLS AMONG NODES IN SEPARATE IP NETWORKS	
6,832,254	METHOD AND APPARATUS FOR ASSOCIATING AN END-TO-	
	END CALL IDENTIFIER WITH A CONNECTION IN A	
	MULTIMEDIA PACKET NETWORK	
7,408,928	METHODS AND APPARATUS FOR SETTING UP TELEPHONY	
	CONNECTIONS BETWEEN TWO ADDRESS DOMAINS HAVING	
	OVERLAPPING ADDRESS RANGES	
7,213,143	IMPROVEMENTS IN OR RELATING TO SECURITY OVER A	
	NETWORK	
6,978,003	OPTIMIZED FOLLOW-ME SERVICE	
7,447,150	AUTOMATIC PATH RESTORATION TO ALTERNATE END POINT	
7,313,145	METHOD AND SYSTEM FOR ESTABLISHING PATHS BETWEEN	
	END POINTS IN PACKET DATA NETWORKS	
7,313,131	PROCESSING OF COMMUNICATION SESSION REQUEST	
	MESSAGES	
6,452,922	APPARATUS AND METHOD FOR ROUTING AURAL	
	INFORMATION OVER A PACKET NETWORK	
7,512,118	CODEC NEGIATION CONSIDERING QUALITY AND COST	
6,754,180	SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR	
	SUPPORT OF BEARER PATH SERVICES IN A DISTRIBUTED	
	CONTROL NETWORK	
6,144,671	CALL REDIRECTION METHODS IN A PACKET BASED	
	COMMUNICATIONS NETWORK	
6,636,522	CALL REDIRECTION METHODS IN A PACKET BASED	
	COMMUNICATIONS NETWORK	
6,269,100	CHANNEL TRANSFER WITH RETRIEVE	
6,337,858	METHOD AND APPARATUS FOR ORIGINATING VOICE CALLS	
7000	FROM A DATA NETWORK	
6,445,695	SYSTEM AND METHOD FOR SUPPORTING COMMUNICATIONS	
	SERVICES ON BEHALF OF A COMMUNICATIONS DEVICE	
	WHICH CANNOT PROVIDE THOSE SERVICES ITSELF	

PATENT NUMBER	TITLE	
6,529,524	COMPUTER PROGRAM PRODUCTS, METHODS, AND PROTOCOL	
	FOR INTERWORKING SERVICES BETWEEN A PUBLIC	
	TELEPHONE NETWORK, INTELLIGENT NETWORK, AND	
	INTERNET PROTOCOL NETWORK	
6,611,533	PUBLIC TELEPHONE NETWORK, INTELLIGENT NETWORK AND	
	INTERNET PROTOCOL NETWORK SERVICES INTERWORKING	
6,742,042	METHOD AND APPARATUS OF PRESENTING TICKER	
	INFORMATION	
6,757,732	TEXT-BASED COMMUNICATIONS OVER A DATA NETWORK	
6,772,210	METHOD AND APPARATUS FOR EXCHANGING	
	COMMUNICATIONS BETWEEN TELEPHONE NUMBER BASED	
	DEVICES IN AN INTERNET PROTOCOL ENVIRONMENT	
6,791,971	METHOD AND APPARATUS FOR PROVIDING A	
	COMMUNICATIONS SERVICE, FOR COMMUNICATION AND	
	FOR EXTENDING PACKET NETWORK FUNCTIONALITY	
6,876,646	COLLECTING INFORMATION BEFORE A CALL	
6,934,279	CONTROLLING VOICE COMMUNICATIONS OVER A DATA NETWORK	
6,987,765	CHANGING MEDIA SESSIONS	
6,993,595	ADDRESS TRANSLATION CHANGE IDENTIFICATION	
7,047,561	FIREWALL FOR REAL-TIME INTERNET APPLICATIONS	
7,068,655	NETWORK ADDRESS AND/OR PORT TRANSLATION	
7,233,980	SYSTEM AND METHOD FOR DYNAMIC QUEUING IN AN	
	AUTOMATIC CALL DISTRIBUTOR	
7,254,832	FIREWALL CONTROL FOR SECURE PRIVATE NETWORKS WITH	
	PUBLIC VOIP ACCESS	
7,283,542	NETWORK ADDRESS TRANSLATOR AND SECURE TRANSFER	
	DEVICE FOR INTERFACING NETWORKS	
7,386,604	SIGNALING METHOD FOR COMMUNICATION NETWORKS	

Patent Applications:

APPLICATION NUMBER	TITLE
11427200 06/28/2006	METHODS AND APPARATUS FOR CONTROLLING CALL ADMISSION TO A NETWORK BASED ON CALL PEERS

APPLICATION		
NUMBER	TITLE	
11467357	METHOD AND APPARATUS FOR PROVIDING VOICE SIGNALS	
08/25/2006	TO AND FROM A TELECOMMUNICATIONS SWITCH	
33.23.233		
10596904	METHODS AND APPARATUS FOR MULTISTAGE ROUTING OF	
3/23/2007	PACKETS USING CALL TEMPLATES	
10943513	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
9/17/2004	FOR VOICE OVER IP (VOIP) TRAFFIC ENGINEERING AND PATH	
	RESILIENCE USING MEDIA GATEWAY AND ASSOCIATED	
	NEXT-HOP ROUTERS	
11015296	METHODS AND SYSTEMS FOR DETECTING IP ROUTE FAILURE	
12/17/2004	AND FOR DYNAMICALLY RE-ROUTING VOIP SESSIONS IN	
	RESPONSE TO FAILURE	
11026746	VOICE OVER IP (VOIP) NETWORK INFRASTRUCTURE	
12/31/2004	COMPONENTS AND METHOD	
11032562	METHODS AND SYSTEMS FOR MEASUREMENT-BASED CALL	
1/10/2005	ADMISSION CONTROL IN A MEDIA GATEWAY	
11032592	METHODS AND SYSTEMS FOR PER-SESSION TRAFFIC RATE	
1/10/2005	POLICING IN A MEDIA GATEWAY	
11034672	METHODS AND SYSTEMS FOR AUTOMATIC DENIAL OF	
1/13/2005	SERVICE PROTECTION IN AN IP DEVICE	
11047264	METHODS AND SYSTEMS FOR DYNAMIC LOAD BALANCING	
1/31/2005	BETWEEN CALL PROCESSORS	
11078247	SYSTEM AND METHOD FOR DETERMINING NETWORK	
3/11/2005	QUALITY FOR VOLP CALLS	
11078531	SYSTEM AND METHOD FOR ROUTING VOIP CALLS	
3/11/2005		
11081998	QOS MEASUREMENT WITH SPLIT-PATH ZERO-LATENCY	
3/16/2005	VIRTUAL JITTER BUFFER	
11112585	SYSTEM AND METHOD FOR LOAD SHARING AMONG A	
4/22/2005	PLURALITY OF RESOURCES	
11121626	APPARATUS AND METHODS FOR PER-SESSION SWITCHING	
5/4/2005	FOR MULTIPLE WIRELINE AND WIRELESS DATA TYPES	
11132893	METHODS AND APPARATUS FOR INTERCONNECTION OF	
5/19/2005	MEDIA GATEWAYS	
11138990	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
5/26/2005	FOR TRANSPORTING ATM CELLS IN A DEVICE HAVING AN	
11100010	ETHERNET SWITCHING FABRIC	
11139019	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
5/26/2005	FOR IMPLEMENTING AUTOMATIC PROTECTION SWITCHING	
	FOR MEDIA PACKETS TRANSMITTED OVER AN ETHERNET	
	SWITCHING FABRIC	

APPLICATION		
NUMBER	TITLE	
11207572	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
8/19/2005	FOR SUPPORTING TRANSCODER-FREE OPERATION IN MEDIA	
	GATEWA	
11230029	UMTS CALL HANDLING METHODS AND APPARATUS	
9/19/2005		
11240317	ADAPTIVE REDUNDANCY PROTECTION SCHEME	
9/30/2005		
11242152	SYSTEM, METHOD, AND COMPUTER-READABLE MEDIUM FOR	
10/3/2005	RESOURCE MIGRATION IN A DISTRIBUTED	
	TELECOMMUNICATION SYSTEM	
11255467	MOBILITY MANAGEMENT APPARATUS AND METHODS	
10/21/2005		
11282943	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
11/18/2005	FOR DISTRIBUTED RESOURCE ALLOCATION AMONG	
	CLUSTERED MEDIA GATEWAYS IN A COMMUNICATIONS	
	NETWORK	
11282970	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
11/18/2005	FOR SESSION INITIATION PROTOCOL (SIP) FAST SWITCHOVER	
11314119	MEDIA STREAM MANAGEMENT	
12/21/2005	·	
11317278	SYSTEMS AND METHODS FOR VOICE OVER MULTIPROTOCOL	
12/23/2005	LABEL SWITCHING	
11334513	DYNAMIC LOADING FOR SIGNALING VARIANTS	
1/18/2006		
11343211	METHOD AND APPARATUS FOR PARTITIONING RESOURCES	
1/31/2006	WITHIN A SESSION-OVER-INTERNET-PROTOCOL (SOIP)	
	SESSION CONTROLLER	
11343212	ADAPTIVE FEEDBACK FOR SESSION OVER INTERNET	
1/31/2006	PROTOCOL	
11343218	SESSION DATA RECORDS AND RELATED ALARMING WITHIN	
1/31/2006	A SESSION OVER INTERNET PROTOCOL (SOIP) NETWORK	
11351339	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
2/9/2006	FOR PROVIDING TRANSCODER FREE OPERATION (TRFO) AND	
	INTERWORKING BETWEEN UNLICENSED MOBILE ACCESS	
	(UMA) AND UNIVERSAL MOBILE TELECOMMUNICATIONS	
11070044	SYSTEM (UMTS) CALL LEGS USING A MEDIA GATEWAY	
11358944	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
2/21/2006	FOR PROVIDING TIME DIVISION MULTIPLEXED (TDM)	
110/4010	TERMINATING SERVICE IN A PACKET NETWORK	
11364018	SYNCHRONIZATION SCHEME	
2/27/2006		

APPLICATION NUMBER	TITLE	
11427171		
6/28/2006	METHODS AND APPARATUS FOR FORWARDING IP CALLS THROUGH A PROXY INTERFACE	
11427220	METHODS AND APPARATUS FOR CONTROLLING CALL	
6/28/2006	ADMISSION TO A NETWORK BASED ON NETWORK	
0/20/2000	RESOURCES RESOURCES	
11427234	METHODS AND APPARATUS FOR ROUTING IP MEDIA DATA	
6/28/2006	BASED ON COST	
11443774	METHODS AND SYSTEMS FOR UNLICENSED MOBILE ACCESS	
5/31/2006	REALIZATION IN A MEDIA GATEWAY	
11458262	NETWORK SECURITY POLICY MEDIATION	
7/18/2006		
11467357	METHOD AND APPARATUS FOR PROVIDING VOICE SIGNALS	
8/25/2006	TO AND FROM A TELECOMMUNICATIONS SWITCH	
11537316	PRIORITIZATION WITHIN A SESSION OVER INTERNET	
9/29/2006	PROTOCOL (SOIP) NETWORK	
11537329	MULTISTAGE PRIORITIZATION OF PACKETS WITHIN A	
9/29/2006	SESSION OVER INTERNET PROTOCOL (SOIP) NETWORK	
11537345	QUALITY OF SERVICE PRIORITIZATION OF INTERNET	
9/29/2006	PROTOCOL PACKETS USING SESSION-AWARE COMPONENTS	
11538384	METHOD, SYSTEM, AND COMPUTER-READABLE MEDIUM FOR	
10/3/2006	CALCULATING AN ECHO PATH DELAY	
11544455	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
10/6/2006	FOR ASSOCIATING INDEPENDENT LEGS OF A CALL IN A	
	TELECOMMUNICATIONS NETWORK	
11544467	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
10/6/2006	FOR HAIRPIN CONDITION ELIMINATION IN A	
11500001	TELECOMMUNICATIONS NETWORK	
11580224	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS	
10/12/2006	FOR STORING COMMUNICATION SESSION INFORMATION AT A	
11/00/57	NETWORK INTERFACE MODULE	
11609657	SYSTEM AND METHOD FOR PROVIDING LIFELINE	
12/12/2006	TELECOMMUNICATION SERVICE	
11639445 12/14/2006	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
12/14/2000	FOR PERFORMING RANGE-BASED DIRECTORY NUMBER (DN) SCREENING	
11678686	IMPLEMENTING AN EMERGENCY SERVICES SOLUTION	
2/26/2007	The state of the s	
11679741	SYSTEM AND METHOD FOR COMMUNICATING	
2/27/2007	TELECOMMUNICATION INFORMATION BETWEEN A	
	BROADBAND NETWORK AND A TELECOMMUNICATION	
	NETWORK	

APPLICATION		
NUMBER	TITLE	
11692375	METHODS AND APPARATUS FOR CONTROLLING SIGNALING	
3/28/2007	ASSOCIATED WITH A PRIVATE BRANCH EXCHANGE WITHIN A	
11604000	SESSION OVER INTERNET PROTOCOL NETWORK	
11694398	METHODS AND APPARATUS FOR IMPLEMENTING A	
3/30/2007	PLUGGABLE POLICY MODULE WITHIN A SESSION OVER	
11700000	INTERNET PROTOCOL NETWORK	
11702009	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
2/2/2007	FOR IMPLEMENTING LINK REDUNDANCY IN A MEDIA	
	GATEWAY	
11711505	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
2/27/2007	FOR OVERSUBSCRIPTION OF WIRELESS MEDIA GATEWAY	
	RESOURCES	
11771270	METHODS AND APPARATUS FOR DUAL-TONE MULTI-	
6/29/2007	FREQUENCY SIGNAL CONVERSION WITHIN A MEDIA OVER	
	INTERNET PROTOCOL NETWORK	
11864069	METHODS AND APPARATUS FOR BANDWIDTH MANAGEMENT	
9/28/2007	WITHIN A MEDIA OVER INTERNET PROTOCOL NETWORK	
	BASED ON A SESSION DESCRIPTION	
11864206	METHODS AND APPARATUS FOR MANAGING ADDRESSES	
9/28/2007	RELATED TO VIRTUAL PARTITIONS OF A SESSION EXCHANGE	
	DEVICE	
11961658	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
12/20/2007	FOR SOURCE-AWARE IP ROUTING AT A MEDIA GATEWAY	
11965272	METHODS AND APPARATUS FOR DUAL-TONE MULTI-	
12/27/2007	FREQUENCY SIGNAL ANALYSIS WITHIN A MEDIA OVER	
	INTERNET PROTOCOL NETWORK	
11965892	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
12/28/2007	FOR PROVIDING A DYNAMIC AND FLEXIBLE MEDIA	
	GATEWAY TERMINATION IDENTIFIER	
11965994	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
12/28/2007	FOR SILENCE INSERTION DESCRIPTOR (SID) CONVERSION	
12021982	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS	
1/29/2008	FOR SYNCHRONIZING SUBSCRIBER FEATURE DATA ACROSS	
	MULTIPLE DOMAINS	
12129766	METHODS AND APPARATUS FOR NETWORK TRAFFIC	
5/30/2008	DISTRIBUTION BASED ON RANDOM NUMBER VALUES	
10/666,217	METHODS AND SYSTEMS FOR LOCATING REDUNDANT	
9/18/2003	TELEPHONY CALL PROCESSING HOSTS IN GEOGRAPHICALLY	
	SEPARATE LOCATIONS	
10/364,010	METHOD AND SYSTEM FOR CONVERGED SERVICE DELIVERY	
2/10/2003	IN A TELECOMMUNICATIONS NETWORK	

APPLICATION		
NUMBER	TITLE	
12/054,143	SYSTEM AND METHOD FOR PERFORMING SUBSCRIBER LOOP	
3/24/2008	TESTING IN AN OPTICAL NETWORK	
12/475,450	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR	
5/29/2009	PERFORMING FLOW COMPILATION PACKET PROCESSING	
12/467,242	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR	
5/15/2009	MAINTAINING FLOW AFFINITY TO INTERNET PROTOCOL	
3/13/2009	SECURITY (IPSEC) SESSIONS IN A LOAD-SHARING SECURITY	
	GATEWAY	
12/506,234	SINGLE SOURCED VALIDATION FRAMEWORK FOR EMS AND	
7/20/2009	NE SYSTEM	
12/482,217	ADAPTIVE JITTER BUFFER MANAGEMENT BASED ON PACKET	
6/10/2009	STATISTICS FOR MGW	
12/353,655		
8/4/2009	DSP-LESS SWITCHING IN A VOIP MEDIA GATEWAY	
12/554,841	A METHOD TO RE-ROUTE CALLS IN CASE OF FAILURE OF THE	
9/4/2009	NEXT HOP IP DEVICE	
	METHODS OF HIGH RELIABILITY, LOST COST 1+1 AUTOMATIC	
12/489,264	PROTECTION SWITCHING FOR OPTICAL NETWORK	
6/22/2009	INTERFACE EQUIPMENT	
10/675,645	MEDIA PROXY HAVING INTERFACE TO MULTIPLE VIRTUAL	
	PRIVATE NETWORKS	
10/674,141	INTERNET TRUNKING PROTOCOL	
10/742,324	METERING IN PACKET-BASED TELEPHONY NETWORKS	
12/772,702	METERING IN PACKET-BASED TELEPHONY NETWORKS	
10/723,835	MESSAGING SERVICE INTERWORKING	
10/983,498	LEGACY USER CALL SESSION CONTROL FUNCTION	
11/283,428	APPLICATION CONTROL AT A POLICY SERVER	
11/452,743	SELECTIVE CALL ANCHORING IN A MULTIMEDIA SUBSYSTEM	
11/911,631	MULTIPLE ACCESS SERVICE CONVERGENCE	
11/466,115	MULTIMEDIA SUBSYSTEM SERVICE CONTROL FOR CIRCUIT-	
	SWITCHED SUBSYSTEM CALLS	
11/522,732	ENHANCED SECURITY FOR MULTIMEDIA DOMAIN (MMD)	
	NETWORK WITH HOME AND VISITED NETWORK SERVICE	
11/402 226	CONTROL	
11/482,236	SMS DELIVERY OVER A MULTIMEDIA SUBSYSTEM	
11/462,182	LOCATION CHANGE DETECTION FOR EMERGENCY SERVICES	
11/554,930	NETWORK DOMAIN SELECTION IN THE HSS	
11/563,306	MULTIMEDIA SUBSYSTEM CONTROL FOR INTERNET	
11/526 001	PROTOCOL BASED TELEVISION SERVICES	
11/536,921	ENTERPRISE MOBILITY ENLLANCED MEDIA CATEWAY	
12/151,683	ENHANCED MEDIA GATEWAY	

APPLICATION		
NUMBER	TITLE	
12/172,562	METHOD FOR IMPROVING SUBSCRIBER DATA INTEGRITY IN	
11/0/1 022	AN IMS NETWORK	
11/961,933	CONTROLLING SERVICES IN A CIRCUIT-SWITCHED NETWORK	
10/157 (77	FROM A PACKET NETWORK	
12/157,677	SYSTEM AND METHOD FOR CORRECT ROUTING AND	
	ENFORCEMENT POLICY IN A NETWORK HAVING ADDRESS OR	
10/2/2 222	PORT TRANSLATION	
12/343,328	MEDIA SHARING	
12/004,214	TOPOLOGY HIDING OF A NETWORK FOR AN ADMINISTRATIVE	
	INTERFACE BETWEEN NETWORKS	
12/316,550	DYNAMICALLY BINDING A LOGIC COMPONENT TO A	
	PROCESSING POINT IN A SOFTWARE EXECUTION FLOW	
12/333,678	CONTENT OVERLAYS IN ON-DEMAND STREAMING	
	APPLICATIONS	
12/330,899	INTEGRATING TELEPHONY APPLICATIONS AND TELEVISION	
	BROADCASTS ON A MULTIMEDIA DEVICE	
11/592,775	PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS	
12/729,567	PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS	
10/599,088	COMMUNICATING PROCESSING CAPABILITIES ALONG A	
	COMMUNICATIONS PATH	
11/589,435	PROVIDING A CAPABILITY LIST OF A PREDEFINED FORMAT IN	
	A COMMUNICATIONS NETWORK	
11/360,432	METHOD AND COMMUNICATION NETWORK COMPONENTS	
	FOR MANAGING MEDIA SIGNAL QUALITY	
11/651,427	DYNAMIC EVENTS SCHEDULING IN A RESOURCE LIMITED	
	ENVIRONMENT	
10/782,754	DATA COMMUNICATION APPARATUS AND METHOD	
11/425,436	METHOD AND APPARATUS FOR IDENTIFYING AND	
	MONITORING VOIP MEDIA PLANE SECURITY KEYS FOR	
	SERVICE PROVIDER LAWFUL INTERCEPT USE	
11/616,679	VOICE CONTINUITY AMONG USER TERMINALS	
11/839,861	METHOD AND APPARATUS FOR TIME ALIGNMENT ALONG A	
	MULTI-NODE COMMUNICATION LINK	
12/209,829	ADDING A SERVICE CONTROL CHANNEL AFTER SESSION	
	ESTABLISHMENT	
10/164,524	VOICE AND FAX OVER IP CALL ESTABLISHMENT IN A	
	COMMUNICATIONS NETWORK	
11/210,084	CONTROLLING VOICE COMMUNICATIONS OVER A DATA	
	NETWORK	

EXHIBIT C

<u>List of Trademarks</u>

Trademark and Service Mark Registrations:

REGISTRATION NUMBER	MARK	REGISTRATION DATE®
1187459	DCO	1982-01-26
2449025	Design Only	2001-05-08
2449024	G6 G6	2001-05-08
2450844	G6	2001-05-15
3653286	G9 G	2009-07-14
3653287	G9	2009-07-14
3446876	GENBAND	2008-06-10
3742792	GENBAND G2	2010-01-26
2900062	GENERAL BANDWIDTH	2004-11-02
2832296	GENERAL BANDWIDTH	2004-04-13
3374331	INTELLICONNECT	2008-01-22
2972592	NETSCAN	2005-07-19

Exhibit C

REGISTRATION NUMBER	MARK	REGISTRATION DATE*
3386856	NETWORK WITHOUT LIMITS	2008-02-19
3367161	NETWORK WITHOUT LIMITS	2008-01-08
3171496	NEXTONE	2006-11-14
3171497	NEXTONE	2006-11-14
2845355	S SANTERA SANTERA	2004-05-25
2559814	SANTERAONE	2002-04-09
1109917	DMS (design mark)	1978-12-26
2750927	SUCCESSION*	2003-08-12
1613373	SUPERNODE*	1990-09-11
1037809	TOPS	1976-04-13

^{*}According to Public Records

Trademark and Service Mark Applications:

SERIAL NUMBER	MARK	FILING DATE
77627100	S3	2008-12-05**

^{** 2010-05-03 –} According to Public Records, Report Completed Suspension Check Case Still Suspended

Exhibit C

BN 7409468v5

RECORDED: 11/09/2010