

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Telcordia Technologies, Inc.	06/16/2009

RECEIVING PARTY DATA

Name:	Telcordia Licensing Company LLC
Street Address:	1 Telcordia Drive 5G116
City:	Piscataway
State/Country:	NEW JERSEY
Postal Code:	08854

PROPERTY NUMBERS Total: 410

Property Type	Number
Patent Number:	4890893
Patent Number:	4896934
Patent Number:	4920078
Patent Number:	4922500
Patent Number:	4941155
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Patent Number:	7477607
Patent Number:	RE35337

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
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NAME OF SUBMITTER:

Philip J. Feig

Total Attachments: 36

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ASSIGNMENT

WHEREAS, Telcordia Technologies, Inc., a Delaware corporation having offices at One Telcordia Drive, Piscataway, New Jersey 08854, ("Telcordia"), owns, by assignment, all right, title, and interest in patents and patent applications listed in Exhibit A (collectively the "Patent Assets"), including any inventions claimed therein; and

WHEREAS, Telcordia Licensing Company LLC ("TLC"), a wholly owned subsidiary of Telcordia having offices at One Telcordia Drive, Piscataway, New Jersey 08854, has been created to take title to the Patent Assets and to enter into agreements with third parties to transfer and/or license and enforce such Patent Assets;

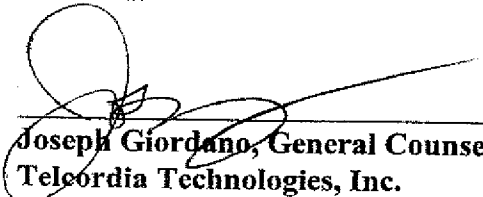
WHEREAS, Telcordia and TLC have entered into an Intellectual Property Assignment and Grant-back License Agreement dated February 20, 2009 (the "Agreement") whereby TLC, among other rights received Title to such Patents Assets subject to certain licenses and retained rights.

NOW THEREFORE, in consideration of the assignments, promises, covenants and warranties set forth below, and for other good and valuable consideration, the receipt, adequacy and sufficiency of which are acknowledged by each party hereto, the parties, intending to be legally bound, agree as follows:

Subject to any licenses and rights previously granted including the retained rights and licenses under the Agreement, effective February 20, 2009, TELCORDIA HEREBY assigns, transfers, and sets over to TLC, its lawful successors and assigns, Telcordia's entire right, title, and interest in and to the Patent Assets, and the inventions claimed therein; and Telcordia hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for these inventions to TLC, its successors and assigns, in accordance with the terms of this Assignment;

AND, TELCORDIA HEREBY further covenants that Telcordia has the full right to convey the interest assigned by this Assignment, Telcordia will take all action and execute all documents necessary to perfect the interest assigned hereby, and Telcordia has not executed and will not execute any agreement in conflict with this Assignment;

IN WITNESS WHEREOF, I/we hereunto set my/our hand and seal on the day and year indicated.



Joseph Giordano, General Counsel and Secretary
Telcordia Technologies, Inc.

Date: 6/14/09

Exhibit A

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
4890893 (07/317,920)	1/2/1990 (3/2/1989)	Dark fiber switched bandwidth filter Smoot, Lanny S.
4896934 (07/306,528)	1/30/1990 (2/3/1989)	Broadband optical multicast switch Arthurs, Edward; Goodman, Matthew S.; Kim, Chong K.; Lee, Tony T.
4920078 (07/360,414)	4/24/1990 (6/2/1989)	Arsenic sulfide surface passivation of III-V semiconductors Bagley, Brian G.; Gmitter, Thomas J.; Yablonovitch, Eli
4922500 (07/341,634)	5/1/1990 (4/21/1989)	Cross-coupled quantum-well stripe laser array Chang-Hasnain, Constance J.; Kapon, Elyahou
4941155 (07/437,758)	7/10/1990 (11/16/1989)	Method And Circuitry For Symbol Timing And Frequency Offset Estimation In Time Division Multiple Access Radio Systems Chuang, Justin C.; Sollenberger, Nelson R.
4961188 (07/404,331)	10/2/1990 (9/7/1989)	Synchronous frequency encoding technique for clock timing recovery in a broadband network Lau, Chi-Leung
4980891 (07/455,079)	12/25/1990 (12/22/1989)	Clocked optical regenerator and other optoelectronic functional circuits Izadpanah, Hossein
4988157 (07/490,362)	1/29/1991 (3/8/1990)	Optical switch using bubbles Jackel, Janet L.; Tomlinson, III, Walter J.
4997522 (07/395,479)	3/5/1991 (8/18/1989)	Wet chemical etchant and method for etching high temperature superconductive films Shokoohi, Frough K.
5002349 (07/442,848)	3/26/1991 (11/29/1989)	Integrated acousto-optic filters and switches Cheung, Kwok-Wai; Heffner, Brian L.; Smith, David A.
5005167 (07/420,010)	4/2/1991 (10/11/1989)	Multicast packet switching method Arthurs, Edward; Goodman, Matthew S.; Kim, Chong K.; Lee, Tony T.
5007070 (07/429,840)	4/9/1991 (10/31/1989)	Service clock recovery circuit Chao, Hung-Hsiang J.; Johnston, Cesar A.
5014303 (07/452,567)	5/7/1991 (12/18/1989)	Operator Services Using Speech Processing Velius, George A.
5020078 (07/392,772)	5/28/1991 (08/11/1989)	Baudrate timing recovery technique Crespo, Pedro M.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5029176 (07/522,226)	7/2/1991 (5/11/1990)	Monolithic multiple-wavelength laser array Chang-Hasnain, Constance J.
5031187 (07/480,117)	7/9/1991 (2/14/1990)	Planar array of vertical-cavity, surface-emitting lasers Orenstein, Meir; Von Lehmen, Ann C.
5031194 (07/392,773)	7/9/1991 (08/11/1989)	Wideband Digital Equalizers For Subscriber Loops Crespo, Pedro M.; Honig, Michael L.
5034170 (07/432,927)	7/23/1991 (11/7/1989)	High-precision adjustable injection molding of single-mode fiber optic connectors Briggs, Jr., Paul R.; Kiss, Gabor D.; Varachi, Jr., John P.
5034946 (07/452,566)	7/23/1991 (12/18/1989)	Broadband concentrator for packet switch Smith, Slade E.
5034958 (07/510,960)	7/23/1991 (4/19/1990)	Front-surface emitting diode laser Kwon, Young-Se; Yoo, Hoi-Jun
5040876 (07/490,155)	8/20/1991 (3/7/1990)	Liquid crystal light modulators with asymmetrical interfaces Patel, Jayantilal S.; Lee, Sin-Doo
5047724 (07/452,968)	9/10/1991 (12/19/1989)	Power Cable Arcing Fault Detection System Boksiner, Jeffrey; Parente, Michael
5048919 (07/593,787)	9/17/1991 (10/5/1990)	Low-stress coupling of electrooptical device to optical fiber Ladany, Ivan
5049993 (07/592,195)	9/17/1991 (10/3/1990)	Format conversion preprocessing method and circuit LeGall, Didier J.; Jeng, Fure-Ching
5050162 (07/326,027)	9/17/1991 (3/20/1989)	Congestion free packet network Golestani, S. Jamaloddin
5050164 (07/429,845)	9/17/1991 (10/31/1989)	Optical customer premises network Chao, Hung-Hsiang J.; Shtirmer, Gennady; Smoot, Lanny S.
5050167 (07/392,118)	9/17/1991 (8/10/1989)	Timing extraction in multiplexed multichannel high speed fiber optic transmission system Izadpanah, Hossein
5055841 (07/649,655)	10/8/1991 (02/01/1991)	High-Speed Feedforward Variable Word Length Decoder Cordell, Robert R.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5056086 (07/454,720)	10/8/1991 (12/21/1989)	Apparatus For Providing Telephonic Mass Announcement Service And Methods For Use Therein Libonati, Michael G.
5058101 (07/641,627)	10/15/1991 (01/16/1991)	Coherent Detection Loop Distribution System Albanese, Andres; Menendez, Ronald C.
5063351 (07/587,241)	11/5/1991 (09/24/1990)	Digital Signal Processing Relating To Near-End Crosstalk Cable Measurements Goldthorp, Jeffery M.; Yeomans, James S.
5065140 (07/666,336)	11/12/1991 (03/08/1991)	Early Warning Reactive Gas Detection System Neuburger, Glen G.
5068749 (07/577,220)	11/26/1991 (8/31/1990)	Electronically tunable polarization-independent liquid crystal optical filter Patel, Jayantilal S.
5069813 (07/626,205)	12/3/1991 (12/10/1990)	Electrically controlled polarization-independent liquid crystal fresnel lens Patel, Jayantilal S.
5073041 (07/612,924)	12/17/1991 (11/13/1990)	Integrated assembly comprising vertical cavity surface-emitting laser array with Fresnel microlenses Rastani, Kasra
5079763 (07/662,123)	1/7/1992 (2/28/1991)	Customer premises network node access protocol Chao, Hung-Hsiang J.; Shtirmer, Gennady; Smoot, Lanny S.
5084816 (07/453,042)	1/28/1992 (12/12/1989)	Real time fault tolerant transaction processing system Boese, John O.; Donnelly, Patrick J.; Gifford, Warren S.; Schlanger, Gabriel G.
5084891 (07/404,946)	1/28/1992 (09/08/1989)	Technique For Jointly Performing Bit Synchronization And Error Detection In A TDM/TDMA System Ariyavisitakul, Sirikiat; Chang, Li F.; Sollenberger, Nelson R.
5086430 (07/628,571)	2/4/1992 (12/14/1990)	Phase-locked array of reflectivity-modulated surface-emitting lasers Kapon, Elyahou; Orenstein, Meir
5087608 (07/458,185)	2/11/1992 (12/28/1989)	Environmental protection and patterning of superconducting perovskites Chan, Siu W.; Farrow, Leonilda A.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5089954 (07/229,241)	2/18/1992 (08/08/1988)	Method For Handling Conversational Transactions In A Distributed Processing Environment Rago, Vito
5093824 (07/499,881)	3/3/1992 (3/27/1990)	Distributed protocol for improving the survivability of telecommunications trunk networks Coan, Brian A.; Vecchi, Mario P.; Wu, Liang T.
5101431 (07/628,570)	3/31/1992 (12/14/1990)	Systolic array for modular multiplication Even, Shimon
5104824 (07/609,920)	4/14/1992 (11/6/1990)	Selective area regrowth for surface-emitting lasers and other sharp features Clausen, Jr., Edward M.; Colas, Etienne G.; Von Lehmen, Ann C.
5111321 (07/677,769)	5/5/1992 (3/29/1991)	Dual-polarization liquid-crystal etalon filter Patel, Jayantilal S.
5115436 (07/521,114)	5/19/1992 (5/4/1990)	Forward error correction code system McAuley, Anthony J.
5116767 (07/754,740)	5/26/1992 (9/9/1991)	Semiconductor laser passivation and overstressing DeChiaro, Louis F.; Sandroff, Claude J.
5117469 (07/649,659)	5/26/1992 (2/1/1991)	Polarization-dependent and polarization-diversified optoelectronic devices using a strained quantum well Cheung, Kwok-wai; Zah, Chung-en
5121383 (07/615,014)	6/9/1992 (11/16/1990)	Duration limited statistical multiplexing in packet networks Golestani, S. Jamaloddin
5121495 (07/430,901)	6/9/1992 (10/31/1989)	Methods and apparatus for information storage and retrieval utilizing hashing techniques Nemes, Richard M.
5122852 (07/514,914)	6/16/1992 (4/23/1990)	Grafted-crystal-film integrated optics and optoelectronic devices Chang, Winston K.; Yi-Yan, Alfredo
5123581 (07/638,736)	6/23/1992 (1/4/1991)	Oblique fracturing of optical fibers by offset shearing Curtis, Lyn; Mahoney, Derek D.; Shah, Virendra S.; Young, William C.
5124978 (07/637,230)	6/23/1992 (1/3/1991)	Grouping network based non-buffer statistical multiplexor Chao, Hung-Hsiang J.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5126553 (07/619,067)	6/30/1992 (11/28/1990)	Bistable optically switchable resonant-tunneling device and its use in signal processing England, Paul; Golub, John E.
5127820 (07/686,708)	7/7/1992 (4/17/1991)	High-precision adjustable injection molding of single-mode fiber optic connectors Briggs, Jr., Paul R.; Kiss, Gabor D.; Varachi, Jr., John P.
5128932 (07/572,712)	7/7/1992 (8/27/1990)	Traffic flow control and call set-up in multi-hop broadband networks Li, Shuo-Yen R.
5128937 (07/686,707)	7/7/1992 (4/17/1991)	Adaptive bandwidth balancing for distributed queue dual bus networks Khalil, Khalid M.
5130976 (07/654,270)	7/14/1992 (2/12/1991)	Batcher and banyan switching elements Hickey, Jason J.; Marcus, William S.
5130984 (07/629,584)	7/14/1992 (12/18/1990)	Large fault tolerant packet switch particularly suited for asynchronous transfer mode (ATM) communication Cisneros, Arturo
5132824 (07/651,028)	7/21/1992 (2/5/1991)	Liquid-crystal modulator array Patel, Jayantilal S.; Weiner, Andrew M.
5132982 (07/697,805)	7/21/1992 (5/9/1991)	Optically controlled surface-emitting lasers Chan, Winston K.; Von Lehmen, Ann C.
5133029 (07/722,703)	7/21/1992 (6/28/1991)	Adiabatic polarization splitter Baran, Jane E.; Smith, David A.
5142570 (07/538,657)	8/25/1992 (6/15/1990)	Routing of network traffic using discrete traffic measurement data Chaudhary, Ved P.; Krishnan, Komandur R.
5145832 (07/703,895)	9/8/1992 (5/22/1991)	Superconducting film on a flexible two-layer zirconia substrate Harshavardhan, Kolagani S.; Sampere, Samuel M.; Sands, Timothy D.; Venkatesan, Thirumalai
5148428 (07/670,455)	9/15/1992 (3/11/1991)	Modular architecture for very large packet switch Lee, Tony T.
5150236 (07/598,476)	9/22/1992 (10/16/1990)	Tunable liquid crystal etalon filter Patel, Jayantilal S.
5155725 (07/637,183)	10/13/1992 (1/3/1991)	Adaptive token release mechanism for ring networks Khalil, Khalid M.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5155742 (07/695,460)	10/13/1992 (05/03/1991)	Time Dispersion Equalizer Receiver With A Time-Reversal Structure For TDMA Portable Radio Systems Ariyavisitakul, Sirikiat; Arnold, Hamilton W.
5155837 (07/317,919)	10/13/1992 (03/02/1989)	Methods And Apparatus For Software Retrofitting Liu, Cheng-Chung; Lo, Daniel S.; Nazif, Zaher A.; Wu, Fu-Lin; Zobre, Donald W.
5155851 (07/762,610)	10/13/1992 (9/19/1991)	Routing an incoming data stream to parallel processing stations Krishnan, Komandur R.
5157654 (07/629,576)	10/20/1992 (12/18/1990)	Technique for resolving output port contention in a high speed packet switch Cisneros, Arturo
5166926 (07/629,604)	11/24/1992 (12/18/1990)	Packet address look-ahead technique for use in implementing a high speed packet switch Cisneros, Arturo; Hayward, Gary A.; Auer, Ivan P.
5172257 (07/790,681)	12/15/1992 (11/8/1991)	Twisted ferroelectric liquid crystal modulator for providing gray scale Patel, Jayantilal S.
5172267 (07/633,405)	12/15/1992 (12/21/1990)	Optical reflector structure, device, method of fabrication, and communications method Yablonovitch, Eli
5173695 (07/546,415)	12/22/1992 (6/29/1990)	High-speed flexible variable-length-code decoder Sun, Ming-Ting; Tzou, Kou-Hu
5173794 (07/324,184)	12/22/1992 (3/16/1989)	Wavelength division multiplexing using a tunable acousto-optic filter Cheung, Kwok-Wai; Choy, Michael M.
5177634 (07/782,675)	1/5/1993 (10/25/1991)	High gain limiting erbium-doped fiber amplifier with wide dynamic range Way, Winston I.
5177769 (07/695,416)	1/5/1993 (05/03/1991)	Digital Circuits For Generating Signal Sequences For Linear TDMA Systems Arnold, Hamilton W.; Sollenberger, Nelson R.
5179548 (07/722,051)	1/12/1993 (6/27/1991)	Self-healing bidirectional logical-ring network using crossconnects Sandesara, Niranjan B.
5179552 (07/821,264)	1/12/1993 (1/10/1992)	Crosspoint matrix switching element for a packet switch Chao, Hung-Hsiang J.

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5181198 (07/668,087)	1/19/1993 (3/12/1991)	Coordinated transmission for two-pair digital subscriber lines Lechleider, Joseph W.
5187571 (07/649,025)	2/16/1993 (2/1/1991)	Television system for displaying multiple views of a remote location Braun, David A.; Nilson, III, William A. E.; Nelson, Terence J.; Smoot, Lanny S.
5191578 (07/537,682)	3/2/1993 (6/14/1990)	Packet parallel interconnection network Lee, Kuo-Chu
5197002 (07/455,264)	3/23/1993 (12/22/1989)	Methods and apparatus for dynamic hashing Spencer, Paul A.
5197064 (07/618,119)	3/23/1993 (11/26/1990)	Distributed modular packet switch employing recursive partitioning Chao, Hung-Hsiang J.
5198270 (07/789,734)	3/30/1993 (11/8/1991)	Method of forming a fiber preform with dopants dissolved in a liquid Andrejco, Matthew J.; Bagley, Brian G.
5201996 (07/516,173)	4/13/1993 (4/30/1990)	Patterning method for epitaxial lift-off processing Gmitter, Thomas J.; Yablonovitch, Eli
5204882 (07/846,769)	4/20/1993 (3/6/1992)	Service clock recovery for variable bit rate services Chao, Hung-Hsiang J.; Johnston, Cesar A.
5206856 (07/616,396)	4/27/1993 (11/21/1990)	Routing of network traffic Chung, Fan R. K.
5207862 (07/404,888)	5/4/1993 (9/8/1989)	Technique for epitaxial growth of oriented thin films of polydiacetylenes Baker, Gregory L.; Lee, Sin-Doo; Patel, Jayantilal S.
5212789 (07/420,533)	5/18/1993 (10/12/1989)	Method And Apparatus For Updating Application Databases Used In A Distributed Transaction Processing Environment Rago, Vito
5213244 (07/844,952)	5/25/1993 (2/28/1992)	Oblique fracturing of optical fibers by angled scoring Curtis, Lyn; Mahoney, Derek D.; Shah, Virendra S.; Young, William C.
5214527 (07/587,867)	5/25/1993 (9/26/1990)	Electronically switched multiple-channel optical receiver Chang, Gee-Kung; Hong, Won-Pyo

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5218604 (07/577,273)	6/8/1993 (8/31/1990)	Dual-hubbed arrangement to provide a protected ring interconnection Sosnosky, Joseph
5218653 (07/790,668)	6/8/1993 (11/8/1991)	Polarization converter with apodized acoustic waveguide Johnson, John J.; Smith, David A.
5220664 (07/736,469)	6/15/1993 (7/26/1991)	Merging network with three or more simultaneous inputs Lee, Tony T.
5221983 (07/299,401)	6/22/1993 (1/19/1989)	Passive photonic loop architecture employing wavelength multiplexing Wagner, Stuart S.
5222101 (07/695,524)	6/22/1993 (05/03/1991)	Phase Equalizer For TDMA Portable Radio Systems Ariyavisitakul, Sirikiat; Arnold, Hamilton W.
5222140 (07/789,700)	6/22/1993 (11/8/1991)	Cryptographic method for key agreement and user authentication Beller, Michael J.; Chang, Li Fung; Yacobi, Yacov
5224034 (07/632,019)	6/29/1993 (12/21/1990)	Automated system for generating procurement lists Katz, Paul A.; Sadrian, Amir A.
5226045 (07/880,054)	7/6/1993 (05/07/1992)	Method And Apparatus For Autonomous Selective Routing During Radio Access In TDMA Portable Radio Systems Chuang, Justin C.
5230073 (07/363,298)	7/20/1993 (6/6/1989)	System and method for accessing and updating a continuously broadcasted stored database Gausmann, Eric J.; Grewal, Kalwant S.; Herman, Gary E.
5239298 (07/870,583)	8/24/1993 (4/17/1992)	Data compression Wei, Victor K.
5239577 (07/621,607)	8/24/1993 (12/03/1990)	Network And Method For Providing Cross-Media Connections Bates, Peter C.; Eisman, Jamie M.; Gopal, Gita; Ostroff, Neil A.; Wu, Fu-lin
5241395 (07/859,614)	8/31/1993 (3/23/1992)	Adaptive transform coding using variable block size Chen, Cheng-Tie
5241580 (07/629,389)	8/31/1993 (12/18/1990)	Method For Validating Customized Telephone Services Babson, III, David L.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5241588 (07/629,371)	8/31/1993 (12/18/1990)	Systems And Processes Providing Programmable Or Customized Customer Telephone Information Services Babson, III, David L.; Ely, Thomas C.
5245656 (07/942,692)	9/14/1993 (9/9/1992)	Security method for private information delivery and filtering in public networks Loeb, Shoshana K.; Yacobi, Yacov
5259026 (07/809,923)	11/2/1993 (12/18/1991)	Method for Speed Calling Automatic Update Johnson, Carl E.
5263156 (07/630,556)	11/16/1993 (12/20/1990)	Parallel, distributed optimistic concurrency control certification using hardware filtering Bowen, Thomas F.; Mansfield, William H.
5267266 (07/881,046)	11/30/1993 (5/11/1992)	Fast converging adaptive equalizer using pilot adaptive filters Chen, Walter Y.
5278828 (07/893,265)	1/11/1994 (6/4/1992)	Method and system for managing queued cells Chao, Hung-Hsiang J.
5283829 (07/955,087)	2/1/1994 (10/1/1992)	System and method for paying bills electronically Anderson, Milton M.
5291477 (07/927,761)	3/1/1994 (8/10/1992)	Method and system for multicast routing in an ATM network Liew, Soung C.
5293376 (07/819,404)	3/8/1994 (1/10/1992)	Upgraded telecommunication network White, Patrick E.
5293402 (07/694,819)	3/8/1994 (5/2/1991)	Wideband digital equalizers for subscriber loops Crespo, Pedro M.; Honig, Michal L.
5295159 (07/870,579)	3/15/1994 (4/17/1992)	Coordinated coding for digital transmission Kerpez, Kenneth J.
5298896 (08/031,421)	3/29/1994 (3/15/1993)	Method and system for high order conditional entropy coding Lei, Shaw-Min; Sun, Ming-Ting; Tzou, Kou-Hu
5299263 (08/026,673)	3/29/1994 (3/4/1993)	Two-way public key authentication and key agreement for low-cost terminals Beller, Michael J.; Yacobi, Yacov
5301055 (08/039,546)	4/5/1994 (3/29/1993)	Scheduler for multicast cell transmission Bagchi, Anindo; Lakshman, Tirunell V.; Rastani, Kasra

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5301333 (08/113,588)	4/5/1994 (8/27/1993)	Tree structured variable priority arbitration implementing a round-robin scheduling policy Lee, Kuo-Chu
5303078 (07/902,876)	4/12/1994 (6/22/1992)	Apparatus and method for large scale ATM switching Brackett, Charles A.; Cisneros, Arturo
5305229 (07/756,078)	4/19/1994 (09/06/1991)	Switch-Level Timing Simulation Based On Two-Connected Components Dhar, Sanjay
5311610 (08/041,027)	5/10/1994 (3/31/1993)	Low-stress coupling of electrooptical device to optical fiber Ladany, Ivan; Reith, Leslie A.
5313579 (07/893,266)	5/17/1994 (6/4/1992)	B-ISDN sequencer chip device Chao, Hung-Hsiang J.
5315646 (07/629,447)	5/24/1994 (12/18/1990)	Systems And Processed For Providing Multiple Interfaces For Telephone Services Babson, III, David L.; Bajzath, Jr., James, Andrew; Ely, Thomas Chambers NOTE: the family name of inventor Babson, III, David L. and Bajzath, Jr., James, Andrew are inconsistent with those in inventor assignment.
5319638 (07/758,734)	6/7/1994 (9/12/1991)	Link-by-link congestion control for packet transmission systems Lin, Huai-An
5323416 (08/109,771)	6/21/1994 (8/20/1993)	Planarized interference mirror Bhat, Rajaram; Yoo, Sung-Joo
5323452 (07/629,372)	6/21/1994 (12/18/1990)	Visual Programming Of Telephone Network Call Processing Logic Dickman, Bernard N.; Mond, Nancy E.; Patel, Arunkumar R.
5327427 (08/080,992)	7/5/1994 (6/22/1993)	Self-healing meshed network using logical ring structures Sandesara, Niranjan B.
5327552 (07/902,010)	7/5/1994 (6/22/1992)	Method and system for correcting routing errors due to packet deflections Liew, Soung C.
5333175 (08/010,111)	7/26/1994 (01/28/1993)	Method And Apparatus For Dynamic Power Control In TDMA Portable Radio Systems Ariyavisitakul, Sirikiat; Chuang, Justin C.; Sollenberger, Nelson R.

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5335011 (08/003,380)	8/2/1994 (1/12/1993)	Sound localization system for teleconferencing using self-steering microphone arrays Addeo, Eric J.; Robbins, John D.; Shtirmer, Gennady
5341474 (07/884,515)	8/23/1994 (5/15/1992)	Communications architecture and buffer for distributing information services Gelman, Alexander; Kobrinski, Haim; Smoot, Lanny S.; Weinstein, Stephen B.
5343465 (08/075,252)	8/30/1994 (6/11/1993)	Method and system for real-time burstiness analysis of network traffic Khalil, Khalid M.
5343496 (08/127,384)	8/30/1994 (9/24/1993)	Interference suppression in CDMA systems Honig, Michael L.; Madhow, Upamanyu
5345380 (08/010,520)	9/6/1994 (01/27/1993)	System And Processes Specifying Customized Customer Telecommunication Services Using A Graphical Interface Babson, III, David L.; Ely, Thomas C.
5351262 (07/943,273)	9/27/1994 (9/10/1992)	Multi-stripe array grating integrated cavity laser Poguntke, Kai R.; Soole, Julian B. D.
5351287 (07/988,987)	9/27/1994 (12/11/1992)	Method and Apparatus For Data Evidence Collection Bhattacharyya, Ranendra K.; Feustel, Timothy C.; Kluepfel, Henry M.
5353283 (08/069,275)	10/4/1994 (5/28/1993)	General internet method for routing packets in a communications network Tsuchiya, Paul F.
5353342 (07/987,518)	10/4/1994 (12/08/1992)	Adaptive Multitone Signaling Method Pietrowicz, Stanley
5359293 (08/071,916)	10/25/1994 (06/03/1993)	Electrical Cable Arcing Fault Detection By Monitoring Power Spectrum In Distribution Line Boksiner, Jeffrey; Silverman, Edward J.
5361258 (08/142,533)	11/1/1994 (10/22/1993)	Beacon Detection System For Sharing Spectrum Between Wireless Communications Systems And Fixed Microwave Systems Arnold, Hamilton W.; Devasirvathan, Daniel M.; Sollenberger, Nelson R.; Sutliff, Larrie G.; Varma, Vijay K.
5363375 (08/100,020)	11/8/1994 (07/30/1993)	Method And Apparatus For Synchronizing Timing Among Radio Ports In Wireless Communications Systems Using Hierarchical Scheme Chuang, Justin C.; Sollenberger, Nelson R.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5363376 (08/100,515)	11/8/1994 (07/30/1993)	Method And Apparatus For Synchronizing Timing Among Radio Ports In Wireless Communications Systems Chuang, Justin C.; Sollenberger, Nelson R.
5367520 (07/981,715)	11/22/1994 (11/25/1992)	Method and system for routing cells in an ATM switch Cordell, Robert R.
5371532 (07/884,516)	12/6/1994 (5/15/1992)	Communications architecture and method for distributing information services Gelman, Alexander; Kobrinski, Haim; Smoot, Lanny S.; Weinstein, Stephen B.
5381407 (07/893,274)	1/10/1995 (6/4/1992)	Method and system for controlling user traffic to a fast packet switching system Chao, Hung-Hsiang J.
5381434 (08/039,771)	1/10/1995 (3/30/1993)	High-temperature, uncooled diode laser Bhat, Rajaram; Zah, Chung-en
5384568 (08/161,102)	1/24/1995 (12/2/1993)	Data compression Grinberg, Dennis N.; Rajagopalan, Sivaramakrishnan; Venkatesan, Ramarathnam; Wei, Victor K.-W.
5386413 (08/034,444)	1/31/1995 (3/19/1993)	Fast multilevel hierarchical routing table lookup using content addressable memory McAuley, Anthony J.; Tsuchiya, Paul F.; Wilson, Daniel V.
5388259 (07/883,098)	2/7/1995 (5/15/1992)	System for accessing a database with an iterated fuzzy query notified by retrieval response Fleischman, Robert M.; Mansfield, William H.
5392328 (08/013,282)	2/21/1995 (02/04/1993)	System And Method For Automatically Detecting Root Causes Of Switching Connection Failures In A Telephone Network Schmidt, Barnet M.; Schopperth, Lawrence P.
5392402 (08/084,386)	2/21/1995 (06/29/1993)	Broadband Intelligent Telecommunications Network And Method Employing A Resource System To Support Network Services Robrock, II, Richard B. Note: the inventor name is inconsistent with the name listed in assignment 1 cell
5400171 (08/131,522)	3/21/1995 (10/1/1993)	Acousto-optic filter with near-ideal bandpass characteristics Song, Ghie H.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5406628 (08/101,437)	4/11/1995 (8/2/1993)	Public key authentication and key agreement for low-cost terminals Beller, Michael J.; Yacobi, Yacov
5412658 (08/142,553)	5/2/1995 (10/22/1993)	Beacon Detection Method And Apparatus For Sharing Spectrum Between Wireless Communications Systems And Fixed Microwave Systems Arnold, Hamilton W.; Devasirvathan, Daniel M.; Sollenberger, Nelson R.; Sutliff, Larrie G.; Varma, Vijay K.
5414707 (08/160,526)	5/9/1995 (12/1/1993)	Broadband ISDN processing method and system Johnston, Cesar A.; Smith, David J.; Young, Jr., Kenneth C.
5418532 (08/061,150)	5/23/1995 (5/13/1993)	Method and system for efficient, multiplication-free arithmetic coding Lei, Shaw-Min
5425090 (08/163,316)	6/13/1995 (12/07/1993)	System And Method For Providing Advanced Intelligent Network Services Orriss, Richard A.
5426641 (08/187,973)	6/20/1995 (01/28/1994)	Adaptive Class AB Amplifier For TDMA Wireless Communications Systems Afrashteh, Alireza; Sollenberger, Nelson R.
5426668 (08/182,320)	6/20/1995 (1/12/1994)	Tetherless access to communication networks Lechleider, Joseph W.
5432373 (08/346,329)	7/11/1995 (11/29/1994)	Magnetic spin transistor Johnson, Mark B.
5432785 (08/192,763)	7/11/1995 (2/7/1994)	Broadband private virtual network service and system Ahmed, Masuma; Walters, Stephen M.
5437009 (08/018,963)	7/25/1995 (02/18/1993)	Method And System For Displaying Status Information Of Communications Networks Lane, Darrin J.
5440594 (08/164,508)	8/8/1995 (12/9/1993)	Method and apparatus for joint optimization of transmitted pulse shape and receiver timing in digital systems Lechleider, Joseph W.
5440730 (07/564,881)	8/8/1995 (8/9/1990)	Time index access structure for temporal databases having concurrent multiple versions Elmasri, Ramez Aziz; Wu, Tzyh-Jain Gene
5442623 (07/931,082)	8/15/1995 (8/17/1992)	Passive protected self healing ring network Wu, Tsong-Ho

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5442690 (07/972,503)	8/15/1995 (11/06/1992)	Telecommunication Service Record Structure And Method Of Execution Nazif, Zaher A.; Cebulka, Kathleen D.; Chu, Francis Y.; Fisher, Gregory M.; Lancaster, Jill E.; Man, Susan K.; Shastry, Subramanya K.; Vinciguerra, Lori J.; Wang, Lei-Lei C.
5446807 (08/264,673)	8/29/1995 (6/23/1994)	Passband-flattened acousto-optic polarization converter Baran, Jane E.; d'Alessandro, Antonio; Jackel, Janet L.
5450476 (08/156,117)	9/12/1995 (11/22/1993)	Method And System For Providing Nonpublished Number Messaging Service D'Apuzzo, Ronald F.; Parascandolo, Andrea
5450480 (07/972,817)	9/12/1995 (11/06/1992)	Method Of Creating A Telecommunication Service Specification Man, Susan K.; Cebulka, Kathleen D.; Fisher, Gregory M.; Lancaster, Jill E.
5455832 (08/169,890)	10/3/1995 (12/17/1993)	Method and system for testing a sonet network element Bowmaster, Thomas A.
5455853 (07/972,813)	10/3/1995 (11/06/1992)	Method Of Creating A Telecommunication Service Template Cebulka, Kathleen D.; Fisher, Gregory M.; Man, Susan K.; Nazif, Zaher A.; Vinciguerra, Lori J.
5455856 (08/050,927)	10/3/1995 (04/21/1993)	Method And System For Partially Automating Feeder And Distribution Cable Cross-Connects Story, Roger E.
5455877 (08/330,040)	10/3/1995 (10/27/1994)	Multi-channel wavelength-routing switch using acousto-optic polarization converters Baran, Jane E.; Jackel, Janet L.
5461622 (08/259,418)	10/24/1995 (6/14/1994)	Method and apparatus for using SONET overhead to align multiple inverse multiplexed data streams Bleickardt, Werner H.; Eaves, John O.; Lau, Joseph C.
5463682 (07/972,501)	10/31/1995 (11/06/1992)	Method Of Creating User-Defined Call Processing Procedures Fisher, Gregory M.; Cebulka, Kathleen D.; Man, Susan K.; Nazif, Zaher A.; Vinciguerra, Lori J.
5469433 (08/235,062)	11/21/1995 (4/29/1994)	System for the parallel assembly of data transmissions in a broadband network McAuley, Anthony J.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5473680 (08/260,370)	12/5/1995 (06/14/1994)	Methods And Apparatus For Interfacing With Application Programs To Manage Multimedia Multiparty Communications Porter, Frederick D.
5475677 (08/366,944)	12/12/1995 (12/29/1994)	Compatible Licensed And Unlicensed Band Portable Handset Unit For TDMA Wireless Communications System Arnold, Hamilton Webster; Chang, Li Fung; Noerpel, Anthony Robert; Sollenberger, Nelson Ray; Ziegler, Robert Anthony
5479830 (08/341,724)	1/2/1996 (11/18/1994)	Anchorage hardware testing device Gemra, Richard J.
5481601 (08/408442)	1/2/1996 (03/17/1995)	System And Method For Creating, Transferring, And Monitoring Services In A Telecommunication System Nazif, Zaher A.; Shastry, Subramanya K.; Man, Susan K. K.; Chu, Edith H.; Chu, Francis Y.; Fisher, Gregory M.; Nassirpour, Mohammad S.
5481673 (08/110,147)	1/2/1996 (08/20/1993)	Method For Cluster Routing In Direct Link Using Two Associated Routing Tables At Node Or Signaling Transfer Point Michelson, Steven M.
5487072 (08/269,267)	1/23/1996 (6/30/1994)	Error monitoring algorithm for broadband signaling Kant, Krishna
5490203 (08/097,148)	2/6/1996 (07/26/1993)	Method And System Utilizing A Location Caching Strategy To Locate Nomadic Users In A Communication Services System Jain, Ravi Kumar; Lo, Charles Nung; Mohan, Seshadri
5491817 (08/068,822)	2/13/1996 (5/25/1993)	Linking system and method for accessing directory information about an object in one context when information in another context is known Gopal, Gita; Wu, Sze-Ying
5504780 (08/178,228)	4/2/1996 (1/6/1994)	Adaptive equalizer using self-learning neural network Alspector, Joshua; Brown, Timothy X.; Jayakumar, Anthony
5511116 (07/972,502)	4/23/1996 (11/06/1992)	Method of Creating And Accessing Value Tables In A Telecommunication Service Creation And Execution Environment Shastry, Subramanya K.; Chu, Francis Y.; Man, Susan K.; Nazif, Zaher A.

Patent No (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5511119 (08/242,577)	4/23/1996 (5/13/1994)	Method and system for compensating for coupling between circuits of quaded cable in a telecommunication transmission system Lechleider, Joseph W.
5511121 (08/303,048)	4/23/1996 (9/8/1994)	Efficient electronic money Yacobi, Yacov
5515307 (08/286,161)	5/7/1996 (8/4/1994)	Pseudo-random generator Aiello, William A.; Rajagopalan, Sivaramakrishnan; Venkatesan, Ramarathnam
5519772 (08/168,612)	5/21/1996 (01/31/1994)	Network-Based Telephone System Having Interactive Capabilities Akman, Aaron A.; Donnelly, Patrick J.; Hollenbach, Steven A.; Kret, Michael A.
5519774 (08/340,988)	5/21/1996 (11/17/1994)	Method And System For Detecting At A Selected Station An Alerting Signal In The Presence Of Speech Battista, Ralph N.; Bress, James R.; Mowafy, Hala E.; Pietrowicz, Stanley
5524141 (08/310,913)	6/4/1996 (9/22/1994)	System and method for providing directory information over a telephony network using ADSI Braun, David A.; Nelson, Terence J.; Nilson, III, William A. E.; Smoot, Lanny S.
5526370 (08/222,628)	6/11/1996 (4/4/1994)	Weighted sum codes for error detection McAuley, Anthony J.
5530939 (08/314,757)	6/25/1996 (9/29/1994)	Method and system for broadcasting and querying a database using a multi-function module Mansfield, Jr, William H.; Raitaz, John E.
5533009 (08/383,400)	7/2/1996 (2/3/1995)	Bandwidth management and access control for an ATM network Chen, Wai
5533016 (08/242,799)	7/2/1996 (5/16/1994)	Communications network ring router Cook, William J.; Seymour, Paul D.
5533115 (08/334,120)	7/2/1996 (11/04/1994)	Network-Based Telephone System Providing Coordinated Voice And Data Delivery Hollenbach, Steven A.; Martin, Michael A.; Novak, Thomas S.; Warznak, Robert S.
5537446 (08/153,538)	7/16/1996 (11/15/1993)	Smoothing delay-sensitive traffic offered to asynchronous transfer mode networks Lakshman, Tirunell V.; Ott, Teunis J.; Tabatabai-Yazdi, Mohammed A. J.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5537467 (08/294,461)	7/16/1996 (08/23/1994)	Method For Forwarding A Call To A Temporarily Utilized Portable Telephone Cheng, Wang Jean; Cheng, Lee-Tin; Cochinwala, Munir; Lee, Kuo-Chu; Liu, Cheng-Chung; Wise, Thomas Lloyd
5539559 (07/934,098)	7/23/1996 (8/21/1992)	Apparatus and method for photonic contention resolution in a large ATM switch Cisneros, Arturo; Lakshman, Tirunell V.
5539884 (08/069,243)	7/23/1996 (5/28/1993)	Intelligent broadband communication system and method employing fast-packet switches Robrock, II, Richard B.
5541949 (08/380,427)	7/30/1996 (1/30/1995)	Strained algalinas quantum-well diode lasers Bhat, Rajaram; Zah, Chung-En
5541986 (08/097,509)	7/30/1996 (07/27/1993)	Method And System For Automated Telecommunications Service Script Consolidation And Downloading Hou, David T.
5542043 (08/321,185)	7/30/1996 (10/11/1994)	Method and system for automatically generating efficient test cases for systems having interacting elements Cohen, David M.; Dalal, Siddhartha R.; Fredman, Michael L.; Patton, Gardner C.
5543701 (08/149,251)	8/6/1996 (11/9/1993)	Electrical storage cell polarization controller Leung, Chiu F.; O'Sullivan, Thomas D.
5546542 (08/158,665)	8/13/1996 (11/29/1993)	Method for efficiently determining the direction for routing a set of anticipated demands between selected nodes on a ring communication network Cosares, Steven T.; Sanjee, Iraj; Wasem, Ondria J.
5555378 (08/206,777)	9/10/1996 (3/2/1994)	Scheduling transmission multimedia information in broadband networks using a token passing scheme Gelman, Alexander; Halfin, Shlomo
5563874 (08/379,388)	10/8/1996 (1/27/1995)	Error monitoring algorithm for broadband signaling Kant, Krishna
5570420 (08/204,106)	10/29/1996 (3/1/1994)	Customer premise equipment network integrator Bress, James R.; Schwartz, Barry K.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5572579 (08/417,542)	11/5/1996 (04/06/1995)	System And Method For Providing Portable Telephone Number Service Orriss, Richard A.; Balazs, Margaret K.; Castrovinci, Laura L. T.; Cebulka, Kathleen D.; Chen, Yea-Cheiong E.; Crystal, Neal N.; Gaylord, Kelly J.; Hartley, George W.
5574778 (08/432,581)	11/12/1996 (05/01/1995)	Method And Apparatus For Providing Video Services Ely, Thomas Chambers; Smyk, Darek Andrew
5574779 (08/432,582)	11/12/1996 (05/01/1995)	Method And Apparatus For Provisioning Network Services Ely, Thomas C.; Smyk, Darek A.
5577258 (08/274,503)	11/19/1996 (7/13/1994)	Apparatus and method for preprocessing multimedia presentations to generate a delivery schedule Cruz, Gil C.; Hill, Ralph D.; Judd, Thomas H.; New, Darren H.; Rosenberg, Jonathan
5583859 (08/298,557)	12/10/1996 (8/30/1994)	Data labeling technique for high performance protocol processing Feldmeier, David C.
5583927 (08/432,586)	12/10/1996 (05/01/1995)	Method And Apparatus For Integrating Telephone And Broadband Networks Ely, Thomas C.; Smyk, Darek A.
5583996 (08/033,638)	12/10/1996 (3/16/1993)	Method and system for shortcut routing over public data networks Tsuchiya, Paul F.
5592672 (08/588,279)	1/7/1997 (01/18/1996)	System For Load Balancing Between Message Processors By Routing All Queued Messages To A Particular Processor Selected By A Deterministic Rule Grewal, Kalwant S.; Patel, Jagdish A.; Wang, Tzyh-Jong
5594911 (08/274,502)	1/14/1997 (7/13/1994)	System and method for preprocessing and delivering multimedia presentations Cruz, Gil C.; Hill, Ralph D.; Judd, Thomas H.; New, Darren H.; Rosenberg, Jonathan
5600643 (08/125,978)	2/4/1997 (09/23/1993)	Broadband Intelligent Telecommunications Network And Method Providing Enhanced Capabilities For Customer Premises Equipment Robrock, II, Richard B.
5600820 (08/160,525)	2/4/1997 (12/1/1993)	Method for partitioning memory in a high speed network based on the type of service Johnston, Cesar A.

Patent No. (Application No.)	Issue Date (Filing Date)	Title of Patent and Names of Inventors
5606596 (08/435,571)	2/25/1997 (05/05/1995)	Method And System Utilizing A Pointer Strategy To Locate Nomadic Users In A Communication Services System Jain, Ravi Kumar; Lo, Charles Nung; Mohan, Seshadri
5608789 (08/624,202)	3/4/1997 (04/03/1996)	Method Of Creating User-Defined Call Processing Procedures Fisher, Gregory M.; Cebulka, Kathleen D.; Man, Susan K.; Nazif, Zaher A.; Vinciguerra, Lori J.
5608801 (08/559,213)	3/4/1997 (11/16/1995)	Efficient cryptographic hash functions and methods for amplifying the security of hash functions and pseudo-random functions Aiello, William A.; Venkatesan, Ramarathnam
5613032 (08/300,824)	3/18/1997 (9/2/1994)	System and method for recording, playing back and searching multimedia events wherein video, audio and text can be searched and retrieved Cruz, Gil C.; Rohall, Steven L.; Rosenberg, Jonathan; Smoot, Lanny S.
5614927 (08/490,001)	3/25/1997 (6/12/1995)	Protecting confidential information in a database for enabling targeted advertising in a communications network Gifford, Warren S.; Griffeth, Nancy D.; Katz, James E.
5615267 (08/503,398)	3/25/1997 (7/17/1995)	Method for adaptively switching between PCS authentication schemes Lin, Jason Y.; Mohan, Seshadri; Sherry, Howard; Sollenberger, Nelson R.
5615286 (08/436,059)	3/25/1997 (5/5/1995)	Method for determining a most likely sequence of states Patel, Sarvar M.
5615351 (08/499,334)	3/25/1997 (7/7/1995)	Method and system for correlating usage data in a distributed architecture Loeb, Shoshana K.
5621768 (08/346,446)	4/15/1997 (11/29/1994)	Generalized noise cancellation in a communication channel Lechleider, Joseph W.
5633928 (08/402,176)	5/27/1997 (3/10/1995)	Key escrow method with warrant bounds Lenstra, Arjen K.; Winkler, Peter M.; Yacobi, Yacov
5635980 (08/416,418)	6/3/1997 (04/04/1995)	System And Method For Customer Premises Broadband Interface With On-Hook Alerting Lin, Steve Min-Chou; Link, Frederick Charles; Schwartz, Barry Kuhn

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5636208 (08/626,858)	6/3/1997 (04/12/1996)	Technique For Jointly Performing Bit Synchronization And Error Detection In A TDM/TDMA System Chang, Li-Fung; Ziegler, Robert A.
5638446 (08/520,351)	6/10/1997 (8/28/1995)	Method for the secure distribution of electronic files in a distributed environment Rubin, Aviel D.
5650993 (08/407,882)	7/22/1997 (3/20/1995)	Drop from front of buffer policy in feedback networks Lakshman, Tirunell Viswanathan; Neidhardt, Arnold Leslie; Ott, Teunis Jan
5655074 (08/498,958)	8/5/1997 (7/6/1995)	Method and system for conducting statistical quality analysis of a complex system Rauscher, Karl Frederick
5655118 (08/215,756)	8/5/1997 (3/21/1994)	Methods and apparatus for managing information on activities of an enterprise Heindel, Lee Edward; Kasten, Vincent Alan; Schlieber, Karl Johannes
5680390 (08/466,482)	10/21/1997 (8/6/1995)	Broadband telecommunications network and method of having operations systems support Robrock, II, Richard Barker
5696815 (08/432578)	12/9/1997 (05/01/1995)	Method And Apparatus For Delivering Caller Identification Information And Services Smyk, Darek Andrew
5696948 (08/673,592)	12/9/1997 (7/1/1996)	Apparatus for determining round trip latency delay in system for preprocessing and delivering multimedia presentations Cruz, Gil Carapelho; Hill, Ralph Douglas; Judd, Thomas Helm; New, Darren Hans; Rosenberg, Jonathan
5701168 (08/496,559)	12/23/1997 (6/29/1995)	Inverse twisted and super-twisted nematic liquid crystal device Patel, Jayantilal Shamjibhai
5706486 (08/673,536)	1/6/1998 (7/1/1996)	Method for preprocessing multimedia presentations to generate a delivery schedule Cruz, Gil Carapelho; Hill, Ralph Douglas; Judd, Thomas Helm; New, Darren Hans; Rosenberg, Jonathan
5708681 (08/631,784)	1/13/1998 (4/23/1996)	Hybrid analog/digital method and apparatus for controlling the transmission power level of a radio transceiver Malkemes, Robert C.; Ziegler, Robert A.

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5727063 (08/562,925)	3/10/1998 (11/27/1995)	Pseudo-random generator Aiello, William Anthony; Venkatesan, Ramarathnam
5732078 (08/586,416)	3/24/1998 (1/16/1996)	On-demand guaranteed bandwidth service for internet access points using supplemental user-allocatable bandwidth network Arango, Mauricio
5751812 (08/702,916)	5/12/1998 (8/27/1996)	Re-initialization of an iterated hash function secure password system over an insecure network connection Anderson, Milton M.
5751961 (08/594,749)	5/12/1998 (01/31/1996)	Integrated Internet System For Translating Logical Addresses Of Internet Documents To Physical Addresses Using Integrated Service Control Point Smyk, Darek Andrew
5757900 (08/459,896)	5/26/1998 (06/02/1995)	System And Method For Single Access Database Retrievals Nagel, Doris Renee; Wang, Tzyh-Jong; Yorke, Diane; Zimlinghaus, Jr., William Michael
5758653 (08/419,686)	6/2/1998 (4/10/1995)	Simultaneous absorption and diffusion imaging system and method using direct reconstruction of scattered radiation Schotland, John Carl
5764277 (08/555,370)	6/9/1998 (11/8/1995)	Group-of-block based video signal combining for multipoint continuous presence video conferencing Loui, Alexander C. P.; Sun, Ming-Ting; Chen, Ting-Chung
5777988 (08/632,813)	7/7/1998 (4/17/1996)	System and method for equalizing delay in a dynamic packet switching network Cisneros, Arturo
5778056 (08/432,580)	7/7/1998 (05/01/1995)	Broadband Network And Method For Connecting Information Providers Ely, Thomas Chambers; Smyk, Darek Andrew
5778057 (08/599,573)	7/7/1998 (02/09/1996)	Service Control Point Congestion Control Method Atai, Amir
5790717 (08/143,007)	8/4/1998 (10/26/1993)	Apparatus and method for predicting subjective quality of compressed images Judd, Thomas Helm
5793745 (08/645,638)	8/11/1998 (5/15/1996)	Bundled protection switching in a wide area network background of the invention Manchester, James S.

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5796424 (08/741,584)	8/18/1998 (11/1/1996)	System and method for providing videoconferencing services Ely, Thomas Chambers; Smyk, Darek Andrew
5796729 (08/641,161)	8/18/1998 (05/09/1996)	Integrated Telecommunication System Architecture For Wireless And Wireline Access Featuring PACS Radio Technology Greaney, Shaun J.; Leland, Kenneth W.
5796902 (08/682,863)	8/18/1998 (7/5/1996)	Coherent blue/green optical source and other structures utilizing non-linear optical waveguide with Quasi-phase-matching grating Bhat, Rajaram; Caneau, Catherine; Koza, Mark A.; Yoo, Sung Joo
5802232 (08/602,391)	9/1/1998 (2/16/1996)	Bonded structure with portions of differing crystallographic orientations, particularly useful as a non linear optical waveguide Bhat, Rajaram; Caneau, Catherine Genevieve; Koza, Mark A.; Yoo, Sung-Joo
5809140 (08/729,917)	9/15/1998 (10/15/1996)	Session key distribution using smart cards Rubin, Aviel D.; Shoup, Victor J.
5812794 (08/724,317)	9/22/1998 (10/1/1996)	Method and apparatus for implementing data network system having object-oriented architecture Heindel, Lee Edward; Gene, Elizabeth Ann; Hoffner, Barry Franklin; Kasten, Vincent Alan; Koh, Refen; Ramaprasad, Thillastanam Krishnaswamy
5822681 (08/590,997)	10/13/1998 (1/24/1996)	Method for assigning band port channels in an unlicensed personal communications system Chang, Li-Fung; Noerpel, Anthony Robert; Ranade, Ashok; Sollenberger, Nelson Ray
5832519 (08/171,266)	11/3/1998 (12/21/1993)	System and method for updating database values without the use of locking operations Bowen, Thomas Floyd; Mansfield, William Hill
5870452 (08/825,580)	2/9/1999 (03/31/1997)	System And Method For Controlling Message Looping Between Network Elements Hayduk, John D.; Huang, Patricia; Chien, Lawrence; Jodidio, Alexander; Wood, Carla A.; Edwards, Debbie

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5878224 (08/846,393)	3/2/1999 (4/30/1997)	System for preventing server overload by adaptively modifying gap interval that is used by source to limit number of transactions transmitted by source to server Smith, Donald Edward
5883606 (08/767,751)	3/16/1999 (12/17/1996)	Flat virtual displays for virtual reality Smoot, Lanny Starkes
5883946 (08/757,308)	3/16/1999 (11/27/1996)	Method And Apparatus For Provisioning Customized Telecommunications Services Beck, Douglas; Chan, Albert L.; Tauv, Sary; Wang, Lei Lei; White, Patrick K.
5884181 (08/588,979)	3/16/1999 (1/19/1996)	Interference reduction in shared-frequency wireless communication systems Arnold, Hamilton W.; Seidel, Scott Yates
5892829 (09/004,191)	4/6/1999 (1/8/1998)	Method and apparatus for generating secure hash functions Aiello, William A.; Venkatesan, Ramarathnam
5905505 (08/716,677)	5/18/1999 (9/13/1996)	Method and system for copy protection of on-screen display of text Lesk, Michael E.
5905719 (08/717,734)	5/18/1999 (9/19/1996)	Method and system for wireless internet access Arnold, Hamilton Webster; Chang, Li-Fung; Jain, Ravi Kumar; Leland, Kenneth White; Malkemes, Robert Conrad; Rizzo, Joseph Frank
5917624 (08/693,732)	6/29/1999 (8/7/1996)	Method and system for applying fiber to the curb architecture using a broadband gateway at service locations, including homes Wagner, Stuart S.
5930018 (09/112,412)	7/27/1999 (7/9/1998)	Method and apparatus for controlling communications in a passive optical network Effenberger, Frank J.
5936659 (08/792,304)	8/10/1999 (1/31/1997)	Method for video delivery using pyramid broadcasting Viswanathan, Subrama Rishnarathamangalam; Imielinski, Tomasz
5937053 (08/782,472)	8/10/1999 (01/10/1997)	System And Method For Processing International Telephone Numbers Lee, Linda W.; Willner, Robert S.
5943480 (08/752,081)	8/24/1999 (11/19/1996)	Method and system for detecting camouflaged congestion on a network resource Neidhardt, Arnold L.

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5949870 (08/831,492)	9/7/1999 (03/31/1997)	System And Method For Providing Local Number Portability Service Hayduk, John D.; Bajzath, James Andrew; Huang, Patricia; Schafer, Craig Loren
5956638 (08/590,751)	9/21/1999 (1/24/1996)	Method for unlicensed band port to autonomously determine interference threshold and power level Chang, Li-Fung; Noerpel, Anthony Robert
5960178 (08/907,445)	9/28/1999 (8/8/1997)	QUEUE SYSTEM AND METHOD FOR POINT-TO-POINT MESSAGE PASSING HAVING A SEPARATE TABLE FOR STORING MESSAGE STATE AND IDENTIFIER OF PROCESSOR ASSIGNED TO PROCESS THE MESSAGE Cochinwala, Munir; Lee, Kuo-Chu
5966434 (08/829,595)	10/12/1999 (03/31/1997)	System And Method For Managing Feature Interaction Of Telephone Services Schafer, Craig Loren; Valin, Steven Eric; Weinrich, Timothy Marc; Fisher, Gregory Michael; Beck, Douglas
5979672 (08/630,304)	11/9/1999 (04/10/1996)	Earthquake Resistant Enclosure For Electronic Equipment Gemra, Richard John; Kluge, Richard Gerard; Murphy, John Arthur; Shankoff, Theodore Arthur; Vining, Barry Russell
5995611 (08/999,843)	11/30/1999 (02/14/1997)	Methods And Apparatus For Managing An In-Band Data Transmission Via A Communications Link Shared By Multiple Terminals Mowafy, Hala E.; Pietrowicz, Stanley; Link, Frederick C.
5999288 (09/170,454)	12/7/1999 (10/12/1998)	Connection set-up and path assignment in wavelength division multiplexed ring networks Ellinas, Georgios Nicos; Bala, Krishna; Chang, Gee-Kung
5999291 (09/088,977)	12/7/1999 (6/2/1998)	Centralized wavelength distribution for wavelength division multiplexed systems Anderson, Gordon Emory
5999610 (08/882,276)	12/7/1999 (06/25/1997)	Managing Feature Interactions In A Telecommunications System Such As An Intelligent Network Lin, Fuchun Joe; Pinheiro, Robert A.

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6009326 (08/557,921)	12/28/1999 (11/14/1995)	Anchor radio system based handover Roder, Paul William; Ulema, Mehmet
6014686 (08/880,094)	1/11/2000 (06/20/1997)	Apparatus And Methods For Highly Available Directory Services In The Distributed Computing Environment Elnozahy, Elmootazbellah Nabil; Ratan, Vivek; Segal, Mark Edward
6016512 (09/135,619)	1/18/2000 (8/18/1998)	Enhanced domain name service using a most frequently used domain names table and a validity code tab Huitema, Christian
6041330 (09/119,499)	3/21/2000 (7/20/1998)	System and method for generating year 2000 test cases Carman, David; Dalal, Siddhartha R.; Jain, Ashish; Karunanithi, Nachimuthu
6075631 (08/926,332)	6/13/2000 (9/5/1997)	Hitless reconfiguration of a wavelength division multiplexed optical communication network Bala, Krishna; Chang, Gee-Kung; Ellinas, Georgios Nicos; Post, Michael; Shen, Chien-Chung; Wei, John Yee-Keung
6078657 (08/866,914)	6/20/2000 (05/30/1997)	Method And System For Providing Local Telephone Number Portability Using Geographic Unit Building Blocks Alfieri, James Daniel; Krall, III, William Henry
6085101 (08/649,438)	7/4/2000 (05/17/1996)	Communications Network Having A Multicast Capability Jain, Ravi Kumar; Kramer, Michael
6091713 (09/059,065)	7/18/2000 (04/13/1998)	Method And System For Estimating The Ability Of A Subscriber Loop To Support Broadband Services Lechleider, Joseph William; Narain, Sanjai; Woloszynski, Charles Howard
6091819 (08/912,251)	7/18/2000 (8/15/1997)	Accelerating public-key cryptography by precomputing randomly generated pairs Venkatesan, Ramarathnam; Boyko, Victor
6092070 (08/634,084)	7/18/2000 (4/18/1996)	Method and system for lossless data compression and fast recursive expansion Belcea, John Martin

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6104811 (08/911,690)	8/15/2000 (8/15/1997)	Cryptographically secure pseudo-random bit generator for fast and secure encryption Aiello, William Anthony; Rajagopalan, Sivaramakrishnam; Venkatesan, Ramarathnam
6115154 (09/156,715)	9/5/2000 (9/18/1998)	Method and system for detecting loss of signal in wavelength division multiplexed systems Antoniades, Neophytos; Jackel, Janet Lehr; Richards, Dwight Hugh; Xin, Wei
6115737 (08/690,253)	9/5/2000 (07/24/1996)	System And Method For Accessing Customer Contact Services Over A Network Ely, Thomas C.; Martin, Michael A.; Novak, Thomas S.; Smyk, Darek A.
6116101 (09/097,879)	9/12/2000 (6/15/1998)	Method and apparatus for determining the intermateability of connector assemblies Rader, Dean
6128379 (09/206,121)	10/3/2000 (12/03/1998)	Intelligent Data Peripheral Systems And Methods Smyk, Darek A.
6130939 (08/907,599)	10/10/2000 (08/08/1997)	Apparatus And Method For Number Portability Call Processing Cochinwala, Munir; Cohen, Ernest Samuel
6138118 (09/126,168)	10/24/2000 (7/30/1998)	Method and system for reconciling concurrent streams of transactions in a database Koppstein, Peter E. A.; Park, Benjamin James; Shasha, Dennis E.
6144644 (09/082,243)	11/7/2000 (05/20/1998)	System And Method For Implementing Call Waiting Functions Over A Network Bajzath, James A.; Ghoghari, Nilay; Smyk, Darek A.
6144991 (09/026,476)	11/7/2000 (2/19/1998)	System and method for managing interactions between users in a browser-based telecommunications network England, Paul
6157164 (09/407,938)	12/5/2000 (9/28/1999)	Battery power system Jaworski, Robert K.; Kakalec, Robert J.; Kimsey, Thomas H.; Mistry, Keku M.; O'Sullivan, Thomas Denis
6161128 (08/696,635)	12/12/2000 (08/14/1996)	Internet Based Service Control System Allows Telecommunications Subscriber Modifies Telecommunications Services Through An Internet Gateway Smyk, Darek A.

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6167025 (08/926,255)	12/26/2000 (9/5/1997)	Methods and apparatus for restoring connections in an ATM network Hsing, Deh-phone K.; Wu, Tsong-Ho; Kant, Latha; Cheng, Bo-Chao; Goncu, Yusuf Goksel
6185519 (09/204,019)	2/6/2001 (12/01/1998)	Method And System For Feature Interaction Detection In A Telecommunication Network Lin, Fuchun Joseph; Ghosh, Abhrajit; Liu, Hong
6207949 (09/437,838)	3/27/2001 (11/10/1999)	Method and apparatus for stabilizing attenuators in optical networks Jackel, Janet L.
6208864 (09/223,464)	3/27/2001 (12/30/1998)	Establishing calls and processing on-going calls in fixes and cellular networks Agrawal, Prathima; Ramanathan, Parameswaran
6211654 (09/611,162)	4/3/2001 (7/6/2000)	Method for predicting battery capacity O'Sullivan, Thomas D.
6216005 (09/223,290)	4/10/2001 (12/30/1998)	Cellular-fixed call completion and call transfer service from a cellular network provider Agrawal, Prathima; Ramanathan, Parameswaran
6216128 (09/260,110)	4/10/2001 (3/2/1999)	System and method for private information retrieval from a single electronic storage device using commodities Di-Crescenzo, Giovanni; Ishai, Yuval; Ostrovsky, Rafail
6226640 (09/193,207)	5/1/2001 (11/17/1998)	Method for determining approximate hamming distance and approximate nearest neighbors of a query Ostrovsky, Rafail; Rabani, Yuval
6256380 (09/233,659)	7/3/2001 (01/19/1999)	Methods For Processing Operator Service System Calls Berkowitz, Renee; Downum, Wesley
6275582 (09/466,739)	8/14/2001 (12/17/1999)	Differential Line Bridge For Scaleable Near-End Speech Cancellation For Tip And Ring Tone Signal Detectors Pietrowicz, Stanley
6282274 (09/350,708)	8/28/2001 (07/09/1999)	Selectable Billing Options For A Single Communications Account Jain, Ravi; Wolff, Richard Saul
6285044 (09/291,499)	9/4/2001 (4/14/1999)	InP-based heterojunction bipolar transistor with reduced base-collector capacitance Bhat, Rajaram

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6285722 (09/199,480)	9/4/2001 (11/25/1998)	Method And Apparatus For Variable Bit Rate Clock Recovery Banwell, Thomas C.; Cheung, Nim K.
6287657 (09/190,191)	9/11/2001 (11/12/1998)	All-Plastic Air Feeder Pipe Gebizlioglu, Osman S.
6289001 (09/419,168)	9/11/2001 (10/15/1999)	System and method for ATM proxy signaling Smyk, Darek A.
6301664 (09/195,491)	10/9/2001 (11/18/1998)	Method and system for non-malleable and non-interactive cryptographic commitment in a network Di-Crescenzo, Giovanni; Ishai, Yuval; Ostrovsky, Rafail
6404524 (09/438,003)	6/11/2002 (11/10/1999)	Method and system for securing wavelength division multiplex systems Etemad, Shahab
6430199 (09/050,221)	8/6/2002 (03/27/1998)	Method And System For Distributing Telephone And Broadband Services Over The Copper Pairs Within A Service Location Kerpez, Kenneth James
6434116 (09/187,576)	8/13/2002 (11/5/1998)	Method and system for stabilized random early detection using connection sampling Ott, Teunis J.
6438554 (09/686,262)	8/20/2002 (10/11/2000)	System and method for private information retrieval from a single electronic storage device using verifiable commodities Di-Crescenzo, Giovanni; Ishai, Yuval; Ostrovsky, Rafail
6438702 (09/468,669)	8/20/2002 (12/21/1999)	Method For Providing A Precise Network Time Service Hodge, James E.
6449246 (09/475,219)	9/10/2002 (12/30/1999)	Multicarrier Personal Access Communication System Barton, Melbourne; Wong, Kuok-Shoong Daniel
6449253 (09/141,253)	9/10/2002 (8/27/1998)	Method and system for dynamic allocation of bandwidth in asynchronous transfer mode (ATM) switching systems Ott, Teunis J.
6463270 (08/592,212)	10/8/2002 (01/26/1996)	Method And Apparatus Supporting Non-Geographic Telephone Numbers Chang, Li-Fung; Jain, Ravi Kumar; Rajagopalan, Subhashini

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6480537 (09/420,401)	11/12/2002 (10/18/1999)	Active techniques for video transmission and playback Agrawal, Prathima; Chen, Jyh-Cheng; Famolari, David
6487406 (09/545,619)	11/26/2002 (4/10/2000)	PCS-to-mobile IP internetworking Chang, Li-Fung; Varma, Vijay K.
6490259 (09/512,514)	12/3/2002 (2/24/2000)	Active link layer and intra-domain mobility for IP networks Agrawal, Prathima; Chen, Jyh-Cheng
6493348 (09/204,049)	12/10/2002 (12/02/1998)	XDSL-Based Internet Access Router Gelman, Alexander; Khandelwal, Rajesh B.
6513218 (09/832,693)	2/4/2003 (4/11/2001)	Accessing fiber fracture surfaces in fiber optic connectors Gebizlioglu, Osman S.; Ozgur, Mustafa
6515796 (09/812,324)	2/4/2003 (3/20/2001)	Saturated amplifier generating burst support signal Jackel, Janet
6535485 (09/410,581)	3/18/2003 (10/11/1999)	Methods and systems for an improved reliability packet network Story, Roger E.
6538451 (09/587,459)	3/25/2003 (06/05/2000)	Single Ended Measurement Method And System For Determining Subscriber Loop Make Up Galli, Stefano; Waring, David L.
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