

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	VERIZON BUSINESS GLOBAL LLC	04/09/2014
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Name:	VERIZON PATENT AND LICENSING INC.	
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	Property Type	Number
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DATE SIGNED:	08/11/2016	
Total Attachments: 41		
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ASSIGNMENT

This ASSIGNMENT is effective as of April 9, 2014 between Verizon Business Global LLC, a limited liability company existing under the laws of Delaware and having an office located at One Verizon Way, Basking Ridge, New Jersey 07920 (hereinafter "ASSIGNOR"), and Verizon Patent and Licensing Inc., a corporation existing under the laws of Delaware and having an office located at One Verizon Way, Basking Ridge, NJ 07920 (hereinafter "ASSIGNEE").

WHEREAS, ASSIGNEE is desirous of acquiring ownership of the United States and/or foreign Letters Patent and Application(s) for Letters Patent identified in Schedule A, as well as any legal equivalents and counterparts thereof in all countries or jurisdictions worldwide (whether listed on Schedule A or not), and the inventions disclosed therein (all hereinafter referred to as the "Patent Assets").

WHEREAS, ASSIGNOR is desirous of granting to ASSIGNEE its ownership of the aforesaid Patent Assets.

NOW, THEREFORE, in consideration of the premises and the mutual covenants set forth herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR and ASSIGNEE, and subject to any rights and licenses under the Patent Assets granted to third parties on or before the effective date hereof, ASSIGNOR does hereby assign unto ASSIGNEE (a) all worldwide right, title and interest of ASSIGNOR in and to the Patent Assets (subject, however, to applicable patent laws in the respective countries or jurisdictions issuing such Patent Assets), the right to claim priority therefrom, and in and to all additional Letters Patent worldwide to be obtained from such Patent Assets and from any future applications, continuations, divisions, renewals, extensions, substitutes, reissues or re-examinations which claim priority therefrom, each and all to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the terms for which any such Letters Patent are granted, plus any extensions, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment not been made; and (b) all claims for past and future infringements of said Patent Assets, with the right to sue for and obtain all remedies for such infringements (including past and future damages and equitable relief) for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives.

ASSIGNOR authorizes and requests the United States Commissioner of Patents and Trademarks (or similar official) to issue any and all United States Letters Patent resulting from the Patent Assets or any divisions, reissues, continuations, renewals, extensions, substitutes or re-examinations thereof to ASSIGNEE as assignee of ASSIGNOR's interest therein. ASSIGNOR further appoints ASSIGNEE as ASSIGNOR's attorney-in-fact (such appointment being irrevocable and coupled with the interest in the Patent Assets), with full authority in the place and stead of ASSIGNOR and in the name of ASSIGNOR from time to time to take any action and to execute any document which ASSIGNEE may deem reasonably necessary or advisable to accomplish the purposes of this ASSIGNMENT, including the execution and filing of confirmatory assignments, powers of attorney, declarations of transfer, or other documents relative to any of the Patent Assets in the name of ASSIGNOR where permitted by law.

Verizon Business Global LLC



Name: Russell G. Wood, Jr.

Title: Assistant Secretary

Verizon Patent and Licensing Inc.



Name: JOSEPH PALMIERI

Title: VICE PRESIDENT

SCHEDULE A

VZ Ref Num	Ctry	Appl. No.	Filing Date	Patent Number	Title
WNSI040	US	07957939	08-Oct-92	5390240	Data dial system and method
WNSI041	US	07985288	04-Dec-92	5319483	Polarization independent low cross-talk optical circulator
WNSI011	US	07986150	04-Dec-92	5400418	Polarization independent all-fiber optical circulator
WNSI018	US	08160400	01-Dec-93		Bidirectional Single-Fiber Amplifier
WNSI017	US	08240017	09-May-94		Remote Objects Facility
WNSI033	US	08250390	27-May-94		Signal Preprocessing Point for Out-of-Bank Signaling Telecommunications System
WNSI036	US	08319375	06-Oct-94		Method of Allocating and Using Objects In A Distributed Computer Environment
RIC95042	US	08575433	20-Dec-95		Hybrid Packet-Switched And Circuit-Switched Telephony System
RIC95042A	US	08575433	21-Aug-98	7336649	Hybrid packet-switched and circuit-switched telephony system
RIC96006	US	08646907	09-May-96	5819046	System for invoking in computer application associated with second user connected to the computer and subject to any active conditions associated with the second user
WNSI038	US	08675225	08-Jul-96	5774245	Optical cross-connect module
CCK96010	US	08772654	23-Dec-96	5901208	Method and system for combing modular availability projections in a telecommunication system
COS96018	US	08772855	24-Dec-96	5893905	Automated SLA performance analysis monitor with impact alerts on downstream jobs
COS96029	US	08774599	30-Dec-96		Method of Distributed Network Restoration Using Preferred Routes
COS96029A	US	08774599	09-Jul-99	6031819	Method and system of distributed network restoration using preferred routes
COS96006	US	08774650	30-Dec-96	5954829	System, method, and computer program product for digital cross connect testing
RIC96143	US	08775160	31-Dec-96	5914794	Method of and apparatus for detecting and reporting faults in an all-optical communications system
WNSI039	US	08782752	10-Jan-97		An Optical Drop-and-Insert Module

RIC96088	US	08825440	28-Mar-97	6049529	Integration of a path verification message within a signal
CAR97011	US	08844571	18-Apr-97	5978463	Reservation scheduling system for audio conferencing resources
CAR97019	US	08897906	21-Jul-97	6366663	System for achieving local number portability
RIC96064	US	08929214	09-Sep-97		Optical Cross-Connect (OXC) Network Connectivity
RIC97081	US	09030677	25-Feb-98	6421706	Multicast and unicast internet protocol content distribution having a feedback mechanism for real-time and store and forward information transfer
ALC11001	US	09038531	11-Mar-98	6507561	Telecommunications network distributed restoration method and system
WMA98001	US	09056699	08-Apr-98	6700963	System and method therefor of preventing fraud on pay phone credit/debit calling card authorization
RIC96093	US	09148942	08-Sep-98	6337846	Quantification of the quality of spare links in a telecommunications network
RIC96090	US	09148943	08-Sep-98	6404733	Method of exercising a distributed restoration process in an operational telecommunications network
RIC96096	US	09149589	08-Sep-98		Out of Band Messaging in a DRA Network
RIC96096A	US	09149589	10-Jul-01	6418117	Out of band messaging in a DRA network
RIC96091	US	09149590	08-Sep-98	6456589	Method of coordinating the respective operations of different restoration processes
ALC11002	US	09151320	11-Sep-98	6496476	System and method for restricted reuse of intact portions of failed paths
ALC110014	US	09151623	11-Sep-98		SIGNAL CONVERSION FOR FAULT ISOLATION IN A TELECOMMUNICATIONS NETWORK INCORPORATING A BROADBAND 1633-SX DIGITAL CROSS CONNECT SWITCH
ALC110011	US	09151824	11-Sep-98		METHOD OF COORDINATING THE RESPECTIVE OPERATIONS OF DIFFERENT RESTORATION PROCESSES IN A TELECOMMUNICATIONS NETWORK HAVING A 1633-SX BROADBAND CROSS CONNECT SWITCH

ALC110015	US	09151959	11-Sep-98		QUANTIFICATION OF THE QUALITY OF SPARE LINKS IN A TELECOMMUNICATIONS NETWORK INCORPORATING A BROADBAND 1633-SX DIGITAL CROSS CONNECT SWITCH
ALC110010	US	09151995	11-Sep-98		Out of Band Messaging in a DRA Network having a System and Method for Broadband Cross-Connect Switch
ALC110013	US	09152004	11-Sep-98		METHOD AND MESSAGE THEREFOR OF MONITORING THE SPARE CAPACITY OF A DRA NETWORK INCORPORATING A BROADBAND 1633-SX DIGITAL CROSS CONNECT SWITCH
ALC110012	US	09152005	11-Sep-98		SYSTEM AND METHOD FOR OUT OF BAND MESSAGING IN A DRA NETWORK HAVING A BROADBAND 1633-SX CROSS CONNECT SWITCH
ALC11006	US	09152008	11-Sep-98		Method and Message Therefor of Monitoring the Spare Capacity of a DRA Network
ALC11006A	US	09152008	27-Nov-02		Method and Message Therefor of Monitoring the Spare Capacity of a DRA Network
WMA98003	US	09154233	16-Sep-98	6349238	System and method for managing the workflow for processing service orders among a variety of organizations within a telecommunications company
COS98041	US	09158742	23-Sep-98	6115743	Interface system for integrated monitoring and management of network devices in a telecommunication network
COS98045	US	09159402	24-Sep-98	6714979	Data warehousing infrastructure for web based reporting tool
COS94057P1	US	09159403	24-Sep-98		Integrated Interface for Web Based Customer Care and Trouble Management
COS94057P1A	US	09159403	17-Apr-01	6859783	Integrated interface for web based customer care and trouble management
COS98044	US	09159404	24-Sep-98	7058600	Integrated proxy interface for web based data management reports
COS97104	US	09159405	24-Sep-98		Web Based Integrated Customer Interface for Invoice Reporting
COS97104A	US	09159405	24-Jul-01	6745229	Web based integrated customer interface for invoice reporting
COS97100	US	09159406	24-Sep-98	6606708	Secure server architecture for Web based data management

COS97097	US	09159407	24-Sep-98	6490620	Integrated proxy interface for web based broadband telecommunications management
COS97091	US	09159408	24-Sep-98	6587836	Authentication and entitlement for users of web based data management programs
COS97099	US	09159409	24-Sep-98	6631402	Integrated proxy interface for web based report requester tool set
COS97101	US	09159503	24-Sep-98		Integrated Business Systems for Web Based Telecommunications Management
COS94102P1	US	09159504	24-Sep-98	6515968	Integrated interface for real time web based viewing of telecommunications network call traffic
COS97088	US	09159505	24-Sep-98	6615258	Integrated customer interface for web based data management
COS97102	US	09159506	24-Sep-98	6611498	Integrated customer web station for web based call management
COS97090A	US	09159512	04-Dec-00	6385644	Multi-threaded web based user inbox for report management
COS97090	US	09159512	24-Sep-98		Multi-Threaded Web Based User Inbox for Report Management
COS97096A	US	09159513	14-Jun-01	6381644	Integrated proxy interface for web based telecommunications network management
COS97096	US	09159513	24-Sep-98		Integrated Proxy Interface for Web Based Telecommunication Network Management
COS97092	US	09159514	24-Sep-98		Secure Customer Interface for Web Based Data Management
COS97092A	US	09159514	21-Mar-02	6598167	Secure customer interface for web based data management
COS97094A	US	09159516	11-Apr-01	6470386	Integrated proxy interface for web based telecommunications management tools
COS97094	US	09159516	24-Sep-98		Integrated Proxy Interface for Web Based Telecommunications Management Tools
COS97098	US	09159517	24-Sep-98	6473407	Integrated proxy interface for web based alarm management tools
COS97093	US	09159684	24-Sep-98	6377993	Integrated proxy interface for web based data management reports
COS97087	US	09159695	24-Sep-98	7225249	Integrated systems for providing communications network management services and interactive generating invoice documents
COS97103	US	09159701	24-Sep-98	6032184	Integrated interface for Web based customer care and trouble management

Recordable Patent Assignment
(VBG to VPLI)

COS97074	US	09160725	25-Sep-98	6763376	Integrated customer interface system for communications network management
RIC96097	US	09160815	25-Sep-98	6330318	Method of and system for interrupting and parking calls in a switched telecommunications network
COS98037	US	09161704	29-Sep-98		Storage of a Device Driver on a Portable Expansion Device for Installation on a Computer
COS98036	US	09163227	29-Sep-98	6839741	Facility for distributing and providing access to electronic mail message attachments
CAR98005	US	09163228	29-Sep-98	6453317	Customer information storage and delivery system
RIC98006	US	09173949	15-Oct-98	6209039	Method and apparatus for providing an interface between a plurality of frame relay networks
COS98035	US	09198721	24-Nov-98	6327363	Method and system for automated customer services
COS98039	US	09201341	01-Dec-98		Web-Based Enterprise Facsimile Server
COS98040	US	09203272	01-Dec-98		Detachable Thin Panel Display For Use With A Computer System
WMA95007	US	09204188	03-Dec-98		A System And Method For Monitoring A Person
WMA96013	US	09206100	04-Dec-98		Automatic Detection and Routing of Facsimile Calls Within a Telecommunications System
COS97041	US	09208799	10-Dec-98		System And Method For Facilitating Direct Termination of DDD Numbers
COS97078	US	09209053	10-Dec-98	6178519	Cluster-wide database system
COS94041P1	US	09212045	15-Dec-98	6732082	System, method and computer program product for processing event records
WMA98010	US	09212208	16-Dec-98	6314468	System and method for managing transmission of electronic data between trading partners
CAR98008	US	09212209	16-Dec-98		Dial-up Access Response Testing Method and System Therefor
CAR98008A	US	09212209	10-Aug-01	6480469	Dial-up access response testing method and system therefor
RIC97051	US	09215844	18-Dec-98	6650842	Optical link with reduced four-wave mixing
CAR97029	US	09215845	18-Dec-98		Method and Apparatus for File Transfer Protocol Mainframe Batch Triggering

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RIC97052	US	09215846	18-Dec-98		Method and System for Identifying Undesired Products of Non-Linear Optical Mixing
RIC97052A	US	09215846	27-Dec-01	6469812	Method and system for identifying undesired products of non-linear optical mixing
RIC98012	US	09217357	21-Dec-98	6404520	Fault isolation of an optical link by correlating PMD events with other measurements
WMA97004	US	09219411	23-Dec-98	6564327	Method of and system for controlling internet access
WMA98004	US	09219413	23-Dec-98	6714549	High resiliency network infrastructure
RIC97018	US	09219415	23-Dec-98	6631409	Method and apparatus for monitoring a communications system
RIC98013	US	09220732	24-Dec-98	6396606	Method of avoiding excessive polarization mode dispersion in an optical communications link
RIC98038	US	09224132	31-Dec-98	6205552	Method and apparatus for checking security vulnerability of networked devices
CCK96035	US	09224167	31-Dec-98		System And Method Superimposing A Location Marker On A Video Map
COS97081	US	09224489	31-Dec-98	6522734	Transaction billing for special service telephone numbers
COS96041D1	US	09224492	31-Dec-98	6105031	System for real-time device data management
COS96041D2	US	09224494	31-Dec-98	5983226	System for real-time device data management
RIC97016	US	09224499	31-Dec-98	6425096	Method and system for audio portion test management in a client/server testing architecture
RIC96160	US	09224501	31-Dec-98	6694101	Focal plane division multiplexing system and method
RIC97121	US	09229021	12-Jan-99	6404869	Preferred billing rate pre-paid telephone calling card
RIC97005	US	09232266	15-Jan-99	6584082	Apparatus, method and article of manufacture for transmitting data over a satellite
RIC98032	US	09248521	09-Feb-99	6493116	PMD characterization across multiple optical channels of an optical link
CAR99002	US	09248522	09-Feb-99		Central Trouble Ticket Database and System and Method for Managing Same to Facilitate Ticketing, Trending, and Tracking Processes
CAR99002A	US	09248522	21-Nov-01	6389426	Central trouble ticket database and system and method for managing same to facilitate ticketing, trending, and tracking processes
CAR99003	US	09251546	17-Feb-99	6674724	Integrated telecommunications test system
COS98038	US	09265929	11-Mar-99		Wireless Telephone with Noise Cancelation
RIC98021	US	09280732	29-Mar-99	6493324	Multimedia interface for IP telephony

COS98056	US	09286565	05-Apr-99	6434605	Automatic detection and recovery for problems arising with interconnected queue managers
CAR97014	US	09293666	16-Apr-99	6542601	Method and system for automated customer support services
WMA99001	US	09294475	20-Apr-99	7110390	Communication controller for providing multiple access using a single telephone line
CDR96027D1	US	09295543	21-Apr-99	6088443	Intelligent services network adjunct processor
COS97083	US	09300063	27-Apr-99		Network Alarm Monitoring System
WMA99004	US	09300064	27-Apr-99		Apparatus And Method For Perforating Package Coverings
WMA99004A	US	09300064	13-Nov-00		Apparatus And Method For Perforating Package Coverings
COS98009	US	09304787	04-May-99	7151942	Advertisement broadcasting for paging
CCK94021	US	09313823	18-May-99	6246978	Method and system for measurement of speech distortion from samples of telephonic voice signals
RIC98018	US	09315245	20-May-99	6519323	Test unit for use at a network interface device
RIC98053	US	09315271	20-May-99	6760310	Optimal allocation of multi-service concentrators
CAR98009	US	09315479	20-May-99		Tera Short Cut for Processing Raw DXC Commands
COS98011	US	09317561	24-May-99	6687241	Enterprise contact server with enhanced routing features
RIC97057	US	09321269	27-May-99	6556677	Single-ended echo cancellation system and method
RIC97123	US	09321387	27-May-99	7180990	Prepaid telephone calling card with message recording capability
CCK96001	US	09327039	04-Jun-99	6658210	Interleaved bidirectional WDM channel plan
RIC97122	US	09327727	08-Jun-99	6507644	Pre-paid telephone calling card linked to a stored value account
CAR99006	US	09329209	10-Jun-99	7216157	Method and system for discovering managed devices in a data network
RIC96094	US	09330436	11-Jun-99	6813240	Method of identifying low quality links in a telecommunications network
RIC98049	US	09332777	14-Jun-99	6842447	Internet protocol transport of PSTN-to-PSTN telephony services

RIC97145	US	09343824	30-Jun-99	6667981	Method of partitioning traffic and placing add/drop multiplexers in a stacked ring network
RIC98025	US	09346480	01-Jul-99	6421153	Device and method for determining PMD independent of SOP
RIC98050	US	09364005	29-Jul-99		Address Definition for IP Telephony Services
RIC98050A	US	09364005	20-Feb-03	6735209	Address definition for IP telephony services
RIC98052	US	09364536	29-Jul-99	6453034	Method of and system for extending internet telephony over virtual private network direct access lines
RIC99030	US	09365081	30-Jul-99		Method for Monitoring Spare Capacity of a DRA Network
RIC99030A	US	09365081	22-Jan-03		Method for Monitoring Spare Capacity of a DRA Network
COS97038	US	09365631	03-Aug-99	6766348	Method and system for load-balanced data exchange in distributed network-based resource allocation
COS98004	US	09365635	03-Aug-99	6665701	Method and system for contention controlled data exchange in a distributed network-based resource allocation
COS98005	US	09365636	03-Aug-99	6523065	Method and system for maintenance of global network information in a distributed network-based resource allocation system
RIC98047	US	09370504	09-Aug-99	7136387	Method of and system for providing quality of service in IP telephony
WMA99004P1	US	09372192	11-Aug-99		Apparatus And Method For Perforating Package Coverings
WMA99004P1A	US	09372192	23-Jun-00		Apparatus And Method For Perforating Package Coverings
RIC98046	US	09372543	11-Aug-99		Automatic Deactivation or Minimization of a Window on a Video Monitor Based Upon User Proximity Sensor
RIC98033	US	09375675	17-Aug-99	6611593	Call control of ancillary telecommunications equipment using continuity tests
RIC97097	US	09377434	19-Aug-99	6356633	Electronic mail message processing and routing for call center response to same
CAR99008	US	09383896	26-Aug-99	6633587	System and method for delivering reliable datagram service through connection-oriented service
CAR99011	US	09386594	31-Aug-99	6473502	System, method and computer program product for achieving local number portability costing and network management support
CAR99010	US	09386595	31-Aug-99	6438219	System, method and computer program product for achieving local number portability costing support
CAR99009	US	09386874	31-Aug-99	6473503	System, method and computer program product for achieving local number portability network management support

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ATL99001	US	09386942	31-Aug-99		Web Indexing Utility for Information on Demand Delivery
CAR99004	US	09386943	31-Aug-99	6693876	Selecting IPX/IGX nodes in a multi-domain environment
CAR99007	US	09386944	31-Aug-99	6611275	Method of and apparatus for communicating and scheduling change requests
RIC99007	US	09397214	16-Sep-99	6891942	Method and system for using caller preferences to direct special call handling
RIC99043	US	09397369	16-Sep-99		Method and Apparatus for Providing Data to Switching Elements
RIC99006	US	09397578	16-Sep-99	6925162	Method and system for negotiated call forwarding
RIC99044	US	09397579	16-Sep-99	6580791	Apparatus for providing data to switching elements in a communications system
RIC98035	US	09397588	16-Sep-99	6801617	Method and apparatus for providing data to switching elements in a communications system
COS98060	US	09399601	20-Sep-99	6351464	Virtual second line hybrid network communication system
CDR98003	US	09404231	23-Sep-99	6314176	Third party call control
RIC99018	US	09404232	23-Sep-99		Method and System for IP Routing Optimization
RIC98051	US	09405409	24-Sep-99	6636596	Method of and system for providing intelligent network control services in IP telephony
RIC98054	US	09406910	24-Sep-99	7194620	Method for real-time data authentication
CDR96022D1	US	09406911	24-Sep-99	6427000	Performing automated testing using automatically generated logs
CDR96026D1	US	09411490	04-Oct-99		Direct Distance Dialing (DDD) Access to a Communication Services Platform
CDR96026D1A	US	09411490	20-Feb-01	6493438	Direct distance dialing (DDD) access to a communication services platform
RIC96020	US	09412269	05-Oct-99		Method and System for Priority Call Processing (The Stand-Alone Phone Mail Interrogation Embodiment
RIC98048	US	09412916	05-Oct-99	6266457	System and method for differential group delay compensation
RIC99029	US	09415348	08-Oct-99	6229606	Method and apparatus for measuring PMD of a dispersion compensation grating
RIC99027	US	09416101	12-Oct-99	7106756	Customer resources policy control for IP traffic delivery
RIC97080	US	09416102	12-Oct-99	6715108	Method of and system for managing test case versions
CAR99012	US	09417328	13-Oct-99		Method and Apparatus for Managing Traffic Alarm System
CAR99012A	US	09417328	20-Dec-02		Method and Apparatus for Managing Traffic Alarm System

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COS98029	US	09420654	19-Oct-99	6425005	Method and apparatus for managing local resources at service nodes in an intelligent network
COS98030	US	09420655	19-Oct-99	6804711	Method and apparatus for managing call processing services in an intelligent telecommunication network
RIC99050	US	09420656	19-Oct-99	6438601	Method and system for using caller pays service for single use and short term access to internet subscription services
COS98033	US	09420657	19-Oct-99	6788649	Method and apparatus for supporting ATM services in an intelligent network
COS98006	US	09420666	19-Oct-99	6363411	Intelligent network
COS98017	US	09420669	19-Oct-99	6594355	Method and apparatus for providing real time execution of specific communications services in an intelligent network
COS98032	US	09421473	19-Oct-99		Method and Apparatus for Providing Operator Services in an Intelligent Network
COS98021	US	09421590	20-Oct-99	7024450	Method and apparatus for deploying service modules among service nodes distributed in an intelligent network
COS98016	US	09421827	20-Oct-99	6393481	Method and apparatus for providing real-time call processing services in an intelligent network
WMA99003	US	09427783	27-Oct-99		Subscription-Based Marketing with Remuneration for Consumers
WMA99005	US	09430094	29-Oct-99	6480977	Multi-protocol monitor
RIC98019	US	09430095	29-Oct-99	6798991	Optical communication systems, optical communication system terminal facilities, optical communication methods, and methods of communicating within an optical network
WMA99004P2	US	09430663	29-Oct-99	6615495	Apparatus and method for perforating package coverings
COS97065	US	09432039	01-Nov-99	6393112	System method for facilitating intelligent network call processing using a call context database
COS99050	US	09433530	04-Nov-99	6845242	Cordless telephone system
COS98014P1	US	09433608	04-Nov-99	6748095	Headset with multiple connections
RIC99057	US	09435540	08-Nov-99	6970930	Method and system of providing differentiated services
RIC98004	US	09436147	09-Nov-99	6371765	Interactive computer-based training system and method

RIC99058	US	09436294	08-Nov-99	6480588	Methods for providing prepaid telephony service via an internet protocol network system
RIC99065	US	09436553	09-Nov-99	6766311	State transition system and method in interactive computer-based training
RIC99059	US	09436793	08-Nov-99		SIP-Based Feature Control
RIC99059A	US	09436793	08-Nov-99	6615236	SIP-based feature control
RIC99056	US	09436794	08-Nov-99		Methods for Providing IP Telephony with QoS Using End-To-End RSVP Signaling
RIC99060	US	09436796	08-Nov-99	7860114	Method and System for Dynamic Gateway Selection in an IP Telephony Network
COS99052	US	09440345	15-Nov-99	6542735	Method of setting security codes in a cordless telephone system with multiple communication devices
COS98010	US	09440347	15-Nov-99		Troubleshooting Analysis Protocol Platform
RIC98022	US	09441423	16-Nov-99	6535908	System and method for call record search and call record verification for network certification
RIC99014	US	09441438	17-Nov-99	6512818	Method and system for releasing a voice response unit from a protocol session
COS98055	US	09441600	17-Nov-99	6377907	System and method for collating UNIX performance metrics
COS98061	US	09441741	17-Nov-99	6393017	Virtual PBX system
COS98049	US	09442199	16-Nov-99	7140025	Method and apparatus for providing a real-time message routing communications manager
COS99021	US	09444099	22-Nov-99	6385204	Network architecture and call processing system
RIC99021	US	09452956	02-Dec-99	6683869	Method and system for implementing an improved DSO switching capability in a data switch
COS99053	US	09452957	02-Dec-99		PSDN Cordless Telephone System
COS99023	US	09452959	02-Dec-99		Language Translation Voice Telephony
COS99054	US	09453107	02-Dec-99	6574484	Method for emergency service access using a mobile phone
COS99033	US	09453108	02-Dec-99	6985576	Method and apparatus for automatic call distribution
COS99035	US	09457428	08-Dec-99		Session Initiation Protocol Servlet Application Programming Interface
COS99047	US	09458225	09-Dec-99	6418212	Telephone fraud detection and prevention
COS99009	US	09464135	16-Dec-99	6404871	Termination number screening
RIC99076	US	09464324	15-Dec-99	6697814	System for processing records in a communications network

RIC98034	US	09464647	15-Dec-99	6714978	Method and system for processing records in a communications network
RIC99077	US	09464648	15-Dec-99	6687355	Method and system for processing records in a communications network
COS99034	US	09464784	17-Dec-99	6904276	Apparatus and method for managing call billing records
COS99003	US	09464785	17-Dec-99	6335971	Country to country call intercept process
RIC99022	US	09464786	17-Dec-99	6621833	Method and system for efficiently passing the silence or unused status of a DSO channel through a DSO switch matrix and a data switch
COS99001	US	09464787	17-Dec-99	6404865	Domestic to country call intercept process (CIP)
COS99002	US	09464789	17-Dec-99	6396915	Country to domestic call intercept process (CIP)
COS99072	US	09464829	17-Dec-99		Wheelchair Cordless Telephone System
CAR99013	US	09465348	16-Dec-99	6449365	Method and apparatus providing notification of network conditions
RIC99061	US	09466018	17-Dec-99	6735292	Method and system for priority call processing
RIC99063	US	09466024	17-Dec-99	6741692	Method of and system for priority call processing based upon electronic mail status
CAR99024	US	09468176	21-Dec-99		Notification Templates
CAR99022	US	09468460	21-Dec-99		Notification Subscription Based on User Rule
CAR99014	US	09468461	21-Dec-99	6775658	Notification by business rule trigger control
WMA99005P1	US	09468462	21-Dec-99	6671832	Method and apparatus for performing error checking in a network
CAR99025	US	09468464	21-Dec-99	6751657	System and method for notification subscription filtering based on user role
UUN99001	US	09469506	22-Dec-99	6891825	Method and system of providing multi-user access to a packet switched network
UUN99002	US	09469507	22-Dec-99	6366563	Method, computer program product, and apparatus for collecting service level agreement statistics in a communication network
RIC99071	US	09469527	22-Dec-99	6763326	System and method for staggering time points for deployment of rings in a fiber optic network simulation plan
RIC99072	US	09469691	22-Dec-99	6654354	System and method for planning multiple MUX levels in a fiber optic network simulation plan
RIC99073	US	09470666	22-Dec-99	6798747	System and method for time slot assignment in a fiber optic network simulation plan
RIC99051	US	09481910	12-Jan-00	6535991	Method and apparatus for providing reliable communications in an intelligent network

WMA95005P1	US	09483965	18-Jan-00	6430274	Validation query based on a supervisory signal
RIC99028	US	09488125	20-Jan-00		Method of Planning the Placement of Transit Hubs in a Communications Network
RIC99038	US	09493634	28-Jan-00	6366728	Composite optical fiber transmission line method
CAR99017	US	09494884	01-Feb-00		System, Method and Computer Program Product for Business Rule Action Based on Event State
CAR99023	US	09494936	01-Feb-00		System, Method and Computer Program Product for an E-Mail Approval Update Mechanism
CAR99016	US	09494937	01-Feb-00		System, Method and Computer Program Product for Approval Process Flow Control Using Business Rules
COS99055	US	09515153	29-Feb-00	6678729	Method of monitoring the availability of a messaging and VOIP networking
CAR99015	US	09515316	29-Feb-00		User Interaction with Business Rules Technology
WMA99006	US	09517250	02-Mar-00	6418138	Internet radio communication system
RIC99069	US	09517402	02-Mar-00	6583903	Method and system for controlling polarization mode dispersion
CAR99030	US	09524075	13-Mar-00		System and Method for Improving Network Troubleshooting
RIC99009	US	09538708	30-Mar-00	6438220	Method and apparatus for internet-based telephone access to prepaid card and pin systems
COS99057	US	09538768	30-Mar-00	6535585	System and method for notification upon successful message delivery
COS99058	US	09539337	30-Mar-00	6766001	Process and apparatus for messaging upon incomplete call
COS99056	US	09539803	30-Mar-00	6868074	Mobile data device and method of locating mobile data device
CAR99028	US	09541121	31-Mar-00		Systems and Methods for Managing a Network
CAR99020	US	09548499	13-Apr-00	6745382	CORBA wrappers for rules automation technology
RIC99060P1	US	09564876	04-May-00		Method and System for Dynamic Gateway Selection in an IP Telephony Network
CAR99029	US	09564878	04-May-00	6421725	Method and apparatus for providing automatic notification
WMA99011	US	09564879	04-May-00	6556662	Method and apparatus for providing dialed number verification
COS99049	US	09566321	08-May-00	7089197	System and method for verification of customer information entered via an Internet based order entry system
COS99051	US	09566322	08-May-00	6574317	System and method for blocking uncollectible random traffic of a telecommunication network

WMA99010	US	09572670	17-May-00	6732182	Method for generating packet loss report by a data coordinator in a multicast data transmission network utilizing a group shortest path tree
COS99048	US	09574606	22-May-00	6570968	Alert suppression in a telecommunications fraud control system
COS99046	US	09575469	22-May-00	6947532	Fraud detection based on call attempt velocity on originating number
COS99062	US	09575470	22-May-00	7236954	Fraud detection based on call attempt velocity on terminating number
CAR99026	US	09587015	05-Jun-00		Centralized Multi-Domain Server for Network Mangement
RIC00004	US	09587018	05-Jun-00		System and Method for Providing Time-of-Day Controllable Anonymous Call Blocking
RIC99023	US	09591629	09-Jun-00		Method and System for Implementing an Improved DS0 Channel Conferencing in a Data Switch
ATL99003	US	09611196	06-Jul-00	7065195	Systems and methods relating to multipurpose cards
COS99043	US	09614998	12-Jul-00		Method and System for Preparing Reports and Transmitting Reports to Distributed Databases
COS99032	US	09616446	14-Jul-00		Generic Reporting Tool for Perspective
COS99070	US	09627558	28-Jul-00	7721109	Secure Transaction Card Using Biometrical Validation
WMA00005	US	09670365	26-Sep-00	6950407	Method and system for providing settlement of interconnected packet-switched networks
ATL00004	US	09675429	29-Sep-00		Systems and Methods for Managing Customer Accounts
WMA98001P1	US	09678520	03-Oct-00	6697472	System and method therefor of preventing fraud on pay phone credit/debit calling card authorization
RIC00035	US	09695097	24-Oct-00	6544049	Electrical unit for mating with an electrical box
RIC00029	US	09695124	24-Oct-00	6558190	Method and system of an installer-friendly, modularly adaptable, electrical, outlet gang box
WMA99007	US	09697644	27-Oct-00		System and Method for Generating Valuable Paths Within a Website
SKY00002	US	09707381	07-Nov-00		Method and Apparatus for Adaptive Filter Graphing in a Communication System
RIC00044	US	09723480	28-Nov-00	8185615	Message, Control and Reporting Interface for a Distributed Network Access System
RIC00042	US	09723481	28-Nov-00	8180870	Programmable Access Device for a Distributed Network Access System
RIC00033	US	09723482	28-Nov-00	7046680	Network access system including a programmable access device having distributed service control

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RIC00043	US	09723501	28-Nov-00	7657628	External processor for a distributed network access system
RIC99035	US	09742021	20-Dec-00	6433757	Antenna polarization adjustment tool
RIC98043	US	09750619	30-Nov-00	6826269	Professional services billing personal identification number
RIC00016	US	09766943	22-Jan-01	8483225	Intelligent policy server system and method for bandwidth control in an ATM network
RIC00020	US	09767476	22-Jan-01	7130393	Intelligent network and method for providing voice telephony over ATM and closed user groups
RIC00018	US	09768068	22-Jan-01	7266111	Intelligent network and method for providing voice telephony over ATM
RIC00025	US	09768069	22-Jan-01	7283512	Intelligent network and method for providing voice telephony over ATM and point-to-multipoint connectivity
RIC00019	US	09768070	22-Jan-01	7106748	Intelligent network and method for providing voice telephony over ATM and alias addressing
RIC00015	US	09768077	22-Jan-01	6931010	Intelligent network and method for providing voice telephony over ATM and private address translation
COS99074	US	09776785	05-Feb-01	6665391	Auditing of charges in an integrated prevalidation and ordering system
RIC00032	US	09779085	08-Feb-01	6553061	Method and apparatus for detecting a waveform
COS99059	US	09784457	15-Feb-01	6587552	Fraud library
COS00021	US	09801394	08-Mar-01		System and Method for Providing Manual Operator Assistance Upon an Incomplete Call
COS99041	US	09805631	14-Mar-01	7216104	Disallow payment for E-billing system
COS99039	US	09805632	14-Mar-01	7881962	Early-payment discount for E-billing system
SKY00003	US	09809533	15-Mar-01	7085550	Method and apparatus for optimizing radio frequency (RF) coverage in a radio communication network
RIC00038	US	09810721	16-Mar-01		Method and Apparatus for Monitoring an Optical Network
WMA00002	US	09823431	30-Mar-01		Address Presentation System
WMA00003	US	09823432	30-Mar-01		Address Presentation System Interface
COS99036	US	09823626	30-Mar-01	7308434	Account management tool for e-billing system

RIC00030	US	09824116	02-Apr-01	6584188	Intelligent telephone set
RIC99047	US	09824393	02-Apr-01		System and Method for Communicating Between Distant Regions
OKL00001	US	09825391	03-Apr-01		Communication Network and Method for Installing the Same
CDR00008	US	09836146	17-Apr-01	7069446	Stateless mechanism for data retrieval
CDR00005	US	09836147	17-Apr-01	7127617	On-line directory assistance system
CDR00010	US	09836589	17-Apr-01	7640166	Method for charging on-line directory assistance services
CCK94021C1	US	09840721	24-Apr-01	6564181	Method and system for measurement of speech distortion from samples of telephonic voice signals
COS99060	US	09850708	08-May-01	6801607	System and method for preventing fraudulent calls using a common billing number
COS00013	US	09851006	08-May-01	6732103	Systems and methods for generating and transmitting event information and follow-up event coordination information
CDR00011	US	09858256	16-May-01	6697474	Systems and methods for receiving telephone calls via instant messaging
COS99006	US	09859296	17-May-01	6618475	Domestic origination to international termination country set logic
COS99007	US	09859325	17-May-01	6556669	International origination to domestic termination call blocking
COS99005	US	09859337	17-May-01		Termination Number Screening
COS00017	US	09862851	22-May-01	7043757	System and method for malicious code detection
COS99068	US	09863144	23-May-01	6590967	Variable length called number screening
RIC99010	US	09863456	22-May-01	6922685	Method and system for managing partitioned data resources
CDR00007	US	09873001	01-Jun-01	8175965	System and method for providing prepaid services via an internet protocol network system
COS99012	US	09875083	06-Jun-01		Credit Card Authorization Process
COS99011	US	09875091	06-Jun-01	6782083	ISN call interrupt
COS99021P1	US	09877890	08-Jun-01	6618389	Validation of call processing network performance

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COS00018	US	09878084	08-Jun-01	7117447	Graphical user interface (GUI) based call application system
COS01001	US	09887804	22-Jun-01	7174323	System and method for multi-modal authentication using speaker verification
RIC00034	US	09896382	29-Jun-01		Method and System for Programmable Submarine Network Restoration Plans to Enable Diverse Service Level Agreements in Telecommunication Networks
COS01004	US	09897860	29-Jun-01		System and Method for Tracking Passwords
COS99008	US	09908831	19-Jul-01		Single Country Code Blocking
CDR01001	US	09910789	24-Jul-01	6542582	Filtering signals in a conference call environment
COS00019	US	09911592	24-Jul-01		Network Security Architecture
COS99075	US	09917073	27-Jul-01	6771758	Reconciling database information among service providers
UUN99002P1	US	09919682	01-Aug-01		Method and System for Determining Service Level Agreement Statistics
COS97102C1	US	09945589	04-Sep-01	6956845	Integrated customer web station for web based call management
RIC99053	US	09945607	04-Sep-01		Network Traffic Analysis System and Method
COS01007	US	09950025	12-Sep-01	7840494	Systems and methods for monetary transactions between wired and wireless devices
COS99071	US	09950580	13-Sep-01	6826575	Data miner
WMA00006	US	09963571	27-Sep-01		Web-Based Audit Tool Interfacing with Multi-Hardware/Software Platforms
COS99063	US	09964419	28-Sep-01	6636592	Method and system for using bad billed number records to prevent fraud in a telecommunication system
RIC00049	US	09972062	05-Oct-01		Method and Apparatus in Frame Relay Delay Program
RIC00045	US	09972120	05-Oct-01	6793399	System and method for optical port inspection for telecommunication systems and devices
COS00020	US	09983293	23-Oct-01	6868152	Retrieval of data related to a call center
RIC01003	US	09983689	25-Oct-01		Communication Session Quality Indicator
COS01005	US	09983690	25-Oct-01	6795545	Method and system for assignment of numbers as addresses for stations on a switched network
RIC01001	US	09983691	25-Oct-01	7469299	Bridging user agent and a proxy server for supporting network services

UUN99002C1	US	09986532	09-Nov-01		Method, Computer Program Product and Apparatus for Collecting Service Level Agreement Statistics in a Communication Network
RIC98032C1	US	09993644	27-Nov-01	6704510	PMD characterization across multiple optical channels of an optical link
RIC98012C1	US	09993645	27-Nov-01	6570682	Fault isolation of an optical link by correlating PMD events with other measurements
RIC00007	US	09995149	27-Nov-01	7426218	Communication systems and QSIG communications methods
RIC97006P1	US	09995193	27-Nov-01	6952705	Method, system and program product that utilize a hierarchical conceptual framework to model an environment containing a collection of items
RIC01002	US	10004332	02-Nov-01	6889011	Integrated adaptive chromatic dispersion/polarization mode dispersion compensation system
RIC99056C1	US	10013777	11-Dec-01	7369536	Method for providing IP telephony with QoS using end-to-end RSVP signaling
RIC99068	US	10016028	12-Dec-01		Method of and System for Minimizing Response Time to Requests to a Database
RIC01004	US	10016109	17-Dec-01	8605711	Small Office or Home Office (SOHO) IP Phone Service
RIC01036	US	10016110	17-Dec-01	7266591	Providing content delivery during a call hold condition
RIC01035	US	10016111	17-Dec-01	6928150	Call charging notification
RIC01030	US	10016874	14-Dec-01		Systems and Methods for Providing Echo Control
COS01012	US	10017650	12-Dec-01		Remote Configuration of User Options for Portable Electronic Communication Devices
RIC01025	US	10020890	19-Dec-01		Timing Return Panel
RIC01026	US	10020893	19-Dec-01	6838884	Timing output panel
RIC99014C1	US	10022099	18-Dec-01	6816579	Method and system for releasing a voice response unit from a protocol session
RIC01059	US	10023043	17-Dec-01		System, method and apparatus that employ virtual private networks to resist IP QoS denial of service attacks
CDR01004	US	10023297	17-Dec-01	8380840	Method for recording events in an IP network
RIC01044	US	10023331	17-Dec-01	6778498	Virtual private network (VPN)-aware customer premises equipment (CPE) edge router
RIC01060	US	10023332	17-Dec-01		System, Method and Apparatus That Isolate Virtual Private Network (VPN) and Best Effort Traffic to Resist Denial of Service Attacks
COS00019P1	US	10024202	21-Dec-01		Network Security Architecture

COS98029C1	US	10026850	19-Dec-01	7061923	Method and apparatus for managing local resources at service nodes in an intelligent network
RIC01016	US	10036667	21-Dec-01	7406306	Method for billing in a telecommunications network
RIC00013	US	10040074	23-Oct-01		Method and Apparatus for Automated User Notification of Network UPG
RIC97094	US	10040226	03-Jan-02	6980736	Verification of path integrity in optical switch network
COS01002	US	10041549	10-Jan-02	7113932	Artificial intelligence trending system
CDR01002	US	10041563	10-Jan-02		Method, System and Computer Program Product for Controlling Data Access Through Question and Answer Mechanism
RIC98052C1	US	10045880	11-Jan-02	6879680	Method of and system for extending internet telephony over virtual private network direct access lines
WMA99011D1	US	10047684	16-Jan-02		Method and Apparatus for Dialed Number Verification
WMA01004	US	10051180	22-Jan-02	8364798	Method and system for providing software integration for a telecommunications services on-line procurement system
WMA01003	US	10051182	22-Jan-02	6910187	Graphical user interface for procuring telecommunications services on-line
WMA01001	US	10051282	22-Jan-02		Method and system for procuring telecommunications services on-line
COS01008	US	10053616	24-Jan-02	6970551	Method and system for identifying calls having the same originating number and destination number
COS01010	US	10076323	19-Feb-02	6917911	System and method for voice user interface navigation
RIC99075	US	10078175	15-Feb-02	7349393	Method and system for implementing an improved universal packet switching capability in a data switch
RIC01068	US	10084013	27-Feb-02	7154855	Method and system for determining dropped frame rates over a packet switched transport
ASH01004	US	10084917	01-Mar-02	7801155	Resource allocation in virtual routers
ASH01003	US	10085031	01-Mar-02	7359387	Systems and methods for implementing virtual router
RIC00010	US	10087132	01-Mar-02	7362749	Queuing closed loop congestion mechanism
RIC00036	US	10087983	05-Mar-02		Electrical Box for Providing Electrical Power and Low Voltage Signals to a Building

RIC98013C1	US	10093638	11-Mar-02	6681081	Method of avoiding excessive polarization mode dispersion in an optical communications link
RIC01058	US	10095909	12-Mar-02	7069337	Policy-based synchronization of per-class resources between routers in a data network
RIC01057	US	10095910	12-Mar-02	7209439	Pool-based resource management in a data network
RIC01040	US	10095956	12-Mar-02	7796608	Edge-based per-flow QoS admission control in a data network
RIC01064	US	10097592	15-Mar-02	7242680	Selective feature blocking in a communications network
RIC02002	US	10097748	15-Mar-02	7529359	Caller treatment in a SIP network
ASH01009	US	10097861	15-Mar-02	8660017	Systems and methods for updating IP communication service attributes using an LDAP
ASH01008	US	10097862	15-Mar-02	7054866	Systems and methods for communicating from an integration platform to a provisioning server
ASH01007	US	10097863	15-Mar-02	7043480	Systems and methods for communicating from an integration platform to a lightweight directory access protocol based database
ASH01002	US	10097864	15-Mar-02	7039041	Operational support system for telecommunication services
ASH01014	US	10097865	15-Mar-02		Systems and methods for updating IP communication service attributes
ASH01015	US	10097866	15-Mar-02		Systems and methods for communicating from an integration platform to a billing unit
ASH01012	US	10097868	15-Mar-02	8341116	Systems and methods for updating an LDAP
ASH01011	US	10097869	15-Mar-02	8200577	Systems and methods for retrieving and modifying data records for rating and billing purposes
ASH01010	US	10097870	15-Mar-02	8417632	Systems and methods for interfacing with a billing and account management unit
ASH01016	US	10097934	15-Mar-02	8195738	Systems and methods for communicating from an integration platform to a profile management server
ASH01018	US	10097935	15-Mar-02	7047417	Systems and methods for accessing reporting services
RIC01018	US	10097971	15-Mar-02	7289522	Shared dedicated access line (DAL) gateway routing discrimination
ASH01013	US	10098044	15-Mar-02		Systems and methods for collecting and rating contact center usage
RIC01017	US	10099097	15-Mar-02	7599351	Recursive query for communications network data
RIC98051P1	US	10099316	15-Mar-02	7388953	Method and system for providing intelligent network control services in IP telephony
RIC01019	US	10099323	15-Mar-02	7945592	XML based transaction detail records

RIC01063	US	10101199	18-Mar-02		Call forwarding on screening
RIC01062	US	10101389	16-Mar-02	7698433	User aliases in a communication system
RIC01021	US	10103279	20-Mar-02	7197560	Communications system with fraud monitoring
COS98061C1	US	10106524	25-Mar-02	6775272	Virtual PBX system
COS02004	US	10109643	01-Apr-02	8295303	System and method for transmission of frame relay communications over a digital subscriber line equipped with asynchronous transfer mode components
RIC01013	US	10110000	29-Mar-02	7802264	Method and system for implementing a databus in a global ecosystem of interrelated services
RIC01005	US	10112373	29-Mar-02	6868441	Method and system for implementing a global ecosystem of interrelated services
RIC01006	US	10113213	29-Mar-02		Method and system for implementing a management operations center in a global ecosystem of interrelated services
RIC01009	US	10113471	29-Mar-02		Method and system for realizing a rendezvous service in a management operations center implemented in a global ecosystem of interrelated services
RIC01014	US	10113472	29-Mar-02	8626877	Method and system for implementing a Global Information Bus in a global ecosystem of interrelated services
RIC01007	US	10113543	29-Mar-02	7428723	Aggregating related events into a single bundle of events with incorporation of bundle into work protocol based on rules
RIC01008	US	10113662	29-Mar-02		Method and system for realizing an avatar in a management operations center implemented in a global ecosystem of interrelated services
RIC01010	US	10113691	29-Mar-02	7401131	Method and system for implementing improved containers in a global ecosystem of interrelated services
RIC01012	US	10113968	29-Mar-02		Method and system for using mobile code in a global ecosystem of interrelated services
RIC01011	US	10113969	29-Mar-02	7856486	Method and system for implementing a global lookup in a global ecosystem of interrelated services
COS01003	US	10114939	04-Apr-02	7783593	Method, device and computer program product including a lightweight directory access protocol client
COS01013	US	10115251	04-Apr-02		Method, device and computer program product including a lightweight directory access protocol client architecture

COS01018	US	10115254	04-Apr-02		Lightweight Directory Access Protocol Method, System and Computer Program Product
COS01020	US	10115258	04-Apr-02		Method, system and computer program product for lightweight directory access protocol applications
COS01017	US	10127726	23-Apr-02	8126722	APPLICATION INFRASTRUCTURE PLATFORM (AIP)
COS01029	US	10127728	23-Apr-02		Inter-autonomous system weighstation
RIC97058	US	10132372	24-Apr-02	6963995	Network restoration using refreshed switch state tables
RIC01047	US	10135439	01-May-02		Unlisted Number Call Messaging
RIC00047	US	10136236	01-May-02		Method and System for Multiple Vendor, Multiple Domain Router Configuration Backup
RIC01037	US	10141693	08-May-02	7471630	Systems and methods for performing selective flow control
RIC01038	US	10153922	24-May-02	7876681	Systems and methods for controlling network-bound traffic
RIC01061	US	10157371	29-May-02	7103151	Telephone system and method for reliable emergency services calling
RIC01034	US	10170615	12-Jun-02	7318015	Method, system and program product for generating scenarios utilizing graphical objects representing hierarchically arranged elements of a modeled environment
RIC01033	US	10170616	12-Jun-02	7143100	Method, system and program product for viewing and manipulating graphical objects representing hierarchically arranged elements of a modeled environment
RIC01045	US	10187197	02-Jul-02		Method and System for Performing Measurements on an Optical Network
RIC01039	US	10187198	02-Jul-02		Gateway Network Element for Providing Automatic Level Control and Error Monitoring
ASH01005	US	10188107	03-Jul-02	7263069	Arrangement for evaluating network capacity, network utilization, and network efficiency in a communications network
ASH01006	US	10190553	09-Jul-02		System and Method for Optimizing Network Design in a Communications Network Based on Determined Network Capacity and Network Utilization
COS01022	US	10210711	30-Jul-02	7584425	Systems and methods for generating reports

RIC99058C1	US	10230787	28-Aug-02	7010103	Methods for providing prepaid telephony service via an internet protocol network system
RIC01049	US	10268766	11-Oct-02		System and Method of Setting Thresholds for Optical Performance Parameters
COS01031	US	10268768	11-Oct-02		Method and System for Performance Monitoring in an Optical Network
RIC01050	US	10268770	11-Oct-02		System and Method for Optical Performance Data Collection
RIC01051	US	10268771	11-Oct-02		System and Method for Determining a Cause of Electrical Signal Degradation Based on Optical Signal Degradation
COS01028	US	10278990	24-Oct-02	8261059	Secure file transfer and secure file transfer protocol
CDR02001	US	10282159	29-Oct-02	8374960	Prepaid transaction tracking
COS01027	US	10284398	31-Oct-02		Interactive voice response system utility
RIC98018C1	US	10290427	07-Nov-02	6912269	Test unit for use at a network interface device
SKY02002	US	10291968	12-Nov-02		Method and Apparatus for Providing Phase Coherent Communication in a Wireless Communication System
RIC01053	US	10292118	12-Nov-02		System and method for implementing frictionless micropayments for consumable services
RIC02013	US	10292256	12-Nov-02	7194543	System and method for creating and managing survivable, service hosting networks
ASH01017	US	10292636	13-Nov-02	8041820	Dial-up access manager
SKY02001	US	10293596	14-Nov-02	7243064	Signal processing of multi-channel data
RIC98021C1	US	10303342	22-Nov-02	6982973	Multimedia interface for IP telephony
COS01024	US	10378713	04-Mar-03	7221753	Method and system for providing network interactive voice response with intelligent call routing integration
COS02005	US	10385229	10-Mar-03	7150044	Secure self-organizing and self-provisioning anomalous event detection systems
RIC02011	US	10387126	13-Mar-03	8503437	Integrated customer premises equipment device
CDR02018	US	10404079	02-Apr-03		Enhanced services call completion

CDR02015	US	10404093	02-Apr-03		Media translator
CDR02020	US	10404094	02-Apr-03	7382868	Telephony services system with instant communications enhancements
CDR02016	US	10404104	02-Apr-03	8260967	Billing system for communications services involving telephony and instant communications
CDR02012	US	10404110	02-Apr-03		Billing system for services provided via instant communications
CDR02013	US	10404111	02-Apr-03		Messaging response system
CDR02014	US	10404113	02-Apr-03	8289951	Communications gateway with messaging communications interface
CDR02017	US	10404330	02-Apr-03		Call completion via instant communications client
CDR02019	US	10404541	02-Apr-03		Providing of presence information to a telephony services system
COS97100C1	US	10409375	08-Apr-03	7114083	Secure server architecture for web based data management
WMA97004C1	US	10413971	15-Apr-03		Method of and System for Controlling Internet Access
COS01030	US	10417533	17-Apr-03	7366187	Linking autonomous systems with dual premise routing domains
RIC99042	US	10423194	25-Apr-03		Method and System for Automated Voice Quality Statistics Gathering
RIC95151	US	10434035	08-May-03	7389045	Apparatus and method for monitoring and compensating an optical signal
RIC99059C1	US	10440539	16-May-03	7779072	SIP-based feature control
RIC99044D1	US	10440540	16-May-03	6807270	Apparatus for providing data to switching elements in a communications system
RIC00030D1	US	10441353	20-May-03		Intelligent Telephone Set
RIC00030D2	US	10441358	20-May-03		Intelligent Telephone Set
COS99021C1	US	10441618	20-May-03	6879562	Validation of call processing network performance
CCK94019	US	10456358	06-Jun-03		Very High Speed Inference Engine
COS02007	US	10608137	30-Jun-03	8627457	Integrated security system
COS98017C1	US	10613879	03-Jul-03	6954525	Method and apparatus for providing real-time execution of specific communications services in an intelligent network
COS97092C1	US	10621800	16-Jul-03	6968571	Secure customer interface for web based data management
COS99006C1	US	10621890	16-Jul-03	7079635	Domestic origination to international termination country set logic

RIC99022C1	US	10627390	24-Jul-03	7161959	Method and system for efficiently passing the silence or unused status of a DSO channel through a DsO switch matrix and a data switch
RIC02012	US	10635560	07-Aug-03	7489771	Systems and methods for implementing call pickup in a SIP environment
CDR02013P1	US	10636438	06-Aug-03		Messaging response system
CDR02017P1	US	10636789	06-Aug-03	7917581	Call completion via instant communications client
COS98011C1	US	10637561	11-Aug-03	8428047	ENTERPRISE CONTACT SERVER WITH ENHANCED ROUTING FEATURES
COS03003	US	10645071	21-Aug-03	7042999	Method and system for providing direct routing of local number portability (LNP) calls to alternate terminations
CAR99008C1	US	10652337	02-Sep-03	7317736	Systems and method for delivering reliable datagram service through connection-oriented service
RIC98051C1	US	10654144	03-Sep-03	7406073	Method of and system for providing intelligent network control services in IP telephony
RIC01060N	US	10667278	22-Sep-03	7809860	System, method and apparatus that isolate virtual private network (VPN) and best effort traffic to resist denial of service attacks
COS99074C1	US	10677270	03-Oct-03		Auditing of Charges in an Integrated Prevalidation and Ordering System
CDR02011	US	10699823	04-Nov-03	7200208	Method and system for providing communication services for hearing-impaired parties
COS02008	US	10699824	04-Nov-03	8589517	Systems and methods for providing self-compiling, peer-to-peer on-line gaming
RIC01042	US	10705000	10-Nov-03	7978840	Provisioning system for network resources
WMA98004D1	US	10720519	25-Nov-03	7457235	High resiliency network infrastructure
ASH03009	US	10721471	26-Nov-03	8620711	Inmate visitation scheduling and management
COS97083C1	US	10725505	03-Dec-03		Alarm monitoring system for a telecommunications network
RIC97133	US	10747567	29-Dec-03	7580639	Characterization and control of optical dispersion compensating element
RIC99067	US	10747646	29-Dec-03	8155515	Method and apparatus for sharing common capacity and using different schemes for restoring telecommunications networks
COS99055C1	US	10755445	13-Jan-04		Method of Monitoring the Availability of a Messaging and VOIP Networking
RIC02010	US	10756399	14-Jan-04	7486781	Release link trunking for IP telephony
SKY03009	US	10758199	16-Jan-04	7577836	Method and system for secured wireless data transmission to and from a remote device

SKY03007	US	10758768	16-Jan-04		Method and system for mobile telemetry device prioritized messaging
SKY03008	US	10758769	16-Jan-04	7594038	Method and system for remotely configuring mobile telemetry devices
RIC98050C1	US	10761375	22-Jan-04	7492775	Address definition for IP telephony services
RIC03005	US	10761376	22-Jan-04	7171217	Location finder
RIC99071C1	US	10778021	17-Feb-04	7318016	System and method for staggering time points for deployment of rings in a fiber optic network simulation plan
COS98061C2	US	10778086	17-Feb-04	7496091	Virtual PBX system
CDR00011C1	US	10783221	20-Feb-04	7274778	Systems and methods for receiving telephone calls via instant messaging
RIC03003	US	10786298	26-Feb-04		Micro Trench Duct Placement
CDR04001	US	10794427	05-Mar-04	7912036	Provision of telephony caller ID service via common instant communications clients
RIC02009	US	10797029	11-Mar-04	7929426	Apparatus and method for designing ring covers
ASH03010	US	10797068	11-Mar-04	7707548	Integration of information distribution systems
RIC98034C1	US	10798151	11-Mar-04	7356806	Method and system for processing records of events during use of a communications system
CDR02021	US	10798348	12-Mar-04	7236574	Method and system for providing communication services for hearing-impaired parties
CDR04002	US	10800272	12-Mar-04	7167546	Provision of voice mail messaging indicator and voice mail access services via common instant communications clients
RIC03002	US	10800394	12-Mar-04	7020130	Method and apparatus for providing integrated voice and data services over a common interface device
RIC03006	US	10811730	29-Mar-04	8230058	Health reporting mechanism for inter-network gateway
ASH03016	US	10819296	07-Apr-04	7555548	Method and apparatus for efficient data collection
COS97104C1	US	10822509	12-Apr-04		Web based integrated customer interface for invoice reporting

COS97074C1	US	10835326	30-Apr-04	7447736	Customer interface system for managing communications services including toll free services
ASH04001	US	10836284	03-May-04	7756033	Systems and methods for managing multicast data transmissions
RIC01044C1	US	10843761	12-May-04	7447151	Virtual private network (VPN)-aware customer premises equipment (CPE) edge router
COS03001	US	10843856	12-May-04	7971237	Method and system for providing fraud detection for remote access services
ASH03015	US	10846607	17-May-04	7860232	Method and system for migrating a telephone service from a first local exchange carrier to a second local exchange carrier
COS03004	US	10854594	26-May-04	7653542	Method and system for providing synthesized speech
COS04003	US	10857446	01-Jun-04	8392193	Systems and methods for performing speech recognition
RIC04008	US	10858491	01-Jun-04	8218569	Apparatus and method for terminating service emulation instances
RIC04006	US	10858501	01-Jun-04	7821929	System and Method for Controlling Communication Flow Rates
RIC04005	US	10858502	01-Jun-04	8249082	System and method for a communications access network
RIC04010	US	10858503	01-Jun-04	7869450	Method and apparatus for processing labeled flows in a communications access network
RIC04011	US	10858517	01-Jun-04		System and method for providing a multiple-protocol crossconnect
RIC04017	US	10858525	01-Jun-04		SYSTEM AND METHOD FOR MANAGING COMMUNICATIONS IN AN ACCESS NETWORK

RIC04013	US	10858868	02-Jun-04		System and method for monitoring, controlling and provisioning a telecommunications access network
RIC04012	US	10859057	02-Jun-04	8488476	Providing applets to remote devices in a communications network
RIC04014	US	10859463	02-Jun-04		Error detection and reporting
RIC04016	US	10859468	02-Jun-04	7710888	Apparatus and method for testing and fault isolation in a communication network
RIC04019	US	10860257	03-Jun-04	7163180	System and method for routing cables
RIC04015	US	10860609	03-Jun-04		System and method for transporting time-division multiplexed communications through a packet-switched access network
RIC04007	US	10860803	03-Jun-04	8289973	System and method for indicating classification of a communications flow
RIC99058C2	US	10864690	09-Jun-04	7844039	Methods for providing prepaid telephony service via an internet protocol network system
COS02002	US	10865465	10-Jun-04		Method and system for brokering messages in a distributed system
RIC99014C2	US	10867869	15-Jun-04	7151822	Method and system for releasing a voice response unit from a protocol session
SKY04001	US	10869886	18-Jun-04	7336741	Methods and apparatus for signal processing of multi-channel data
COS00020C1	US	10882657	02-Jul-04	7065202	Retrieval of data related to a call center
COS99050C1	US	10888002	12-Jul-04		Cordless telephone system
RIC99060C1	US	10889051	13-Jul-04		Method and system for dynamic gateway selection in an IP telephony network
RIC98049C1	US	10889128	13-Jul-04	7653081	Internet protocol transport of PSTN-to-PSTN telephony services
ATL03001	US	10890230	14-Jul-04	7391855	System and method for implementation of a called party prepayment plan

RIC01032	US	10891802	15-Jul-04	7042871	Method and system for suppressing early media in a communications network
COS04002	US	10900331	28-Jul-04	7873149	Systems and methods for gathering information
COS04001	US	10900335	28-Jul-04	8014496	Systems and methods for providing network-based voice authentication
COS98036C1	US	10910928	04-Aug-04		Facility for distributing and providing access to electronic mail message attachments
RIC00015C1	US	10921920	20-Aug-04	7567574	Intelligent network and method for providing voice telephony over ATM and private address translation
RIC04002	US	10922131	20-Aug-04	7283691	Methods and systems for controlling fiber polarization mode dispersion (PMD)
CAR04001	US	10940619	15-Sep-04	7845001	Method and system for managing secure platform administration
COS01005C1	US	10944253	17-Sep-04	7289621	Method and system for assignment of numbers as addresses for stations on a switched network
CDR04006	US	10975214	28-Oct-04	8630401	Method and system for extended directory service
CDR04004	US	10975215	28-Oct-04	7903637	Universal communications identifier
CDR04003	US	10975595	28-Oct-04		Comprehensive communication services system
CDR04005	US	10975971	28-Oct-04	8458277	Method and system for providing universal relay services
CDR04007	US	10979093	02-Nov-04	7315612	Systems and methods for facilitating communications involving hearing-impaired parties
CDR04010	US	10979811	03-Nov-04	7142642	Systems and methods for facilitating communications involving hearing-impaired parties
ASH03005	US	10991515	19-Nov-04	7532710	Systems and methods for providing voicemail services
ASH03017	US	10991516	19-Nov-04	7177406	Systems and methods for providing portable voicemail services
COS99056C1	US	11016159	17-Dec-04	7317705	Mobile data device and method of locating mobile data service
COS98021C1	US	11020656	27-Dec-04	7366768	Deploying service modules among service nodes distributed in an intelligent network
COS97100C2	US	11023953	28-Dec-04	8495724	Secure server architecture for web based data management
RIC00033C1	US	11026216	30-Dec-04	7499458	Network access system including a programmable access device having distributed service control

OKL04002	US	11041402	25-Jan-05		Systems and methods for processing telephone calls
OKL04001	US	11041420	25-Jan-05		Systems and methods for processing telephone calls
RIC04020	US	11054088	09-Feb-05	7873033	Method and system for supporting shared local trunking
RIC04003	US	11057275	11-Feb-05	7242831	Low strain optical fiber cable
UUN99001C1	US	11075454	09-Mar-05		Method and system of providing multi-user access to a packet switched network
COS04004	US	11096289	01-Apr-05	7562861	Systems and methods for controlling duct pressurization for cable installation
ASH05003	US	11104609	13-Apr-05		WAN defense mitigation service
OKL05001	US	11106603	15-Apr-05	7496182	Handling emergency service calls originating from internet telephony
COS04005	US	11115374	27-Apr-05	8139729	Systems and methods for handling calls associated with an interactive voice response application
COS97101D1	US	11115732	27-Apr-05	8073777	Integrated Business Systems for Web Based Telecommunications Management
WMA05001	US	11117512	29-Apr-05	7748047	Preventing fraudulent internet account access
COS01010C1	US	11127978	12-May-05	7664634	System and method for voice user interface navigation
DGX04001	US	11130162	17-May-05		Automated message handling system
RIC99057C1	US	11130317	16-May-05	7830888	Method and system of providing differentiated services
ASH05001	US	11132363	19-May-05	7646857	Systems and methods for providing voicemail services including caller identification
COS97092C2	US	11134943	23-May-05	7814533	Secure customer interface for Web based data management
ASH05002	US	11139115	27-May-05		Method and apparatus for detecting denial of service attacks
COS03001P4	US	11141352	31-May-05	7774842	Method and system for prioritizing cases for fraud detection
COS03001P5	US	11141364	31-May-05	7817791	Method and apparatus for providing fraud detection using hot or cold originating attributes
COS03001P2	US	11141369	31-May-05	8638916	Method and apparatus for providing fraud detection using connection frequency and cumulative duration thresholds

COS03001P1	US	11141373	31-May-05	7783019	Method and apparatus for providing fraud detection using geographically differentiated connection duration thresholds
RIC04008P1	US	11141374	31-May-05	8340102	APPARATUS AND METHOD FOR PROVIDING A NETWORK TERMINATION POINT
COS03001P3	US	11141377	31-May-05	8015414	Method and apparatus for providing fraud detection using connection frequency thresholds
RIC05005	US	11147214	08-Jun-05	7248758	Hitless tunable filter
ASH05004	US	11147303	08-Jun-05	7730536	Security perimeters
HIL05001	US	11153328	16-Jun-05	7716724	Extensible authentication protocol (EAP) state server
ASH05005	US	11156491	21-Jun-05	7573985	Systems and methods for facilitating communications involving hearing-impaired parties
RIC99010C1	US	11165326	24-Jun-05	7822781	Method and system for managing partitioned data resources
COS05005	US	11171838	30-Jun-05	7346473	Method and system for providing performance analysis using fuzzy logic
RIC04021	US	11200096	10-Aug-05	7782877	Network-based dedicated backup service
ASH04002	US	11202589	12-Aug-05	7602748	Fixed-mobile communications with mid-session mode switching
ASH05007	US	11202647	12-Aug-05	7706401	Method and system for providing interdomain traversal in support of packetized voice transmissions
ASH05008	US	11202659	12-Aug-05	8571011	Method and system for providing voice over IP managed services utilizing a centralized data store
ATL05001	US	11209615	24-Aug-05	8121261	Systems and methods for providing interpretation services
COS05004	US	11210512	24-Aug-05	7899160	Method and system for providing configurable application processing in support of dynamic human interaction flow
COS05002	US	11210513	24-Aug-05		Method and system for providing data field encryption and storage
COS99006C2	US	11215431	30-Aug-05	7366289	Domestic origination to international termination country set logic
COS98017C2	US	11221705	09-Sep-05	7227942	Method and apparatus for providing real time execution of specific communications services in an intelligent network
COS05003	US	11235833	27-Sep-05		Method and system for providing network-based call processing of packetized voice calls
RIC05007	US	11239328	30-Sep-05	7889868	Quantum key distribution system
RIC05004	US	11239330	30-Sep-05	7711267	Remote management of central office operations

COS97102C2	US	11240608	30-Sep-05	7236486	Integrated customer web station for web based call management
RIC05002	US	11252830	19-Oct-05	7962960	Systems and methods for performing risk analysis
RIC03005P1	US	11260280	28-Oct-05	7236798	Systems and methods for object location notification
RIC97094C1	US	11265575	02-Nov-05	7995916	Verification of path integrity in optical switch network
WMA05002	US	11274508	16-Nov-05	7978830	Broadcasting voicemail replies
COS05014	US	11287358	28-Nov-05	8478596	Impairment detection using speech
RIC04018	US	11295879	07-Dec-05		System and method for providing service-agnostic network resources
COS00020C2	US	11296381	08-Dec-05	7266192	Retrieval of data related to a call center
RIC05010	US	11298603	12-Dec-05	7788289	Tracking user access of a network management system
RIC05009	US	11298604	12-Dec-05		Profile-based user access to a network management system
RIC05008	US	11298605	12-Dec-05	7779052	Network management system
RIC05012	US	11298823	12-Dec-05	8208811	Network with sourceless clients
ASH05022	US	11304784	16-Dec-05	8280341	GPS-assisted architecture for VoIP 9-1-1
COS05013	US	11312334	21-Dec-05	8019057	SYSTEMS AND METHODS FOR GENERATING AND TESTING INTERACTIVE VOICE RESPONSE APPLICATIONS
RIC05011	US	11315097	23-Dec-05	7424106	Routing traffic between carriers
COS05009	US	11317882	23-Dec-05		Method and system for processing fault alarms and trouble tickets in a managed network services system
COS05007	US	11317893	23-Dec-05		Method and system for providing automated data retrieval in support of fault isolation in a managed services network
COS05006	US	11318077	23-Dec-05		Method and system for providing automated fault isolation in a managed services network
COS05010	US	11318078	23-Dec-05	7426654	Method and system for providing customer controlled notifications in a managed network services system

COS05008	US	11318088	23-Dec-05		Method and system for processing fault alarms and maintenance events in a managed network services system
COS05012	US	11318635	28-Dec-05	7573984	Systems and methods for providing emergency contact services
ASH05012	US	11323513	30-Dec-05		Method and system for providing secure credential storage to support interdomain traversal
ASH05009	US	11323863	30-Dec-05	8184641	METHOD AND SYSTEM FOR PROVIDING SECURE COMMUNICATIONS BETWEEN PROXY SERVERS IN SUPPORT OF INTERDOMAIN TRAVERSAL
ASH05010	US	11324039	30-Dec-05	7920549	Method and system for providing secure media gateways to support interdomain traversal
ASH05011	US	11324049	30-Dec-05	7983254	Method and system for securing real-time media streams in support of interdomain traversal
COS98044C1	US	11348798	07-Feb-06		Integrated proxy interface for web based data management reports
COS98029C2	US	11354068	15-Feb-06	7697415	Method and apparatus for managing local resources at service nodes in an intelligent network
RIC03002C1	US	11359422	23-Feb-06	7924818	Method and apparatus for providing integrated voice and data services over a common interface device
CDR00005C1	US	11359994	22-Feb-06	7275162	On-line directory assistance system
ASH05013	US	11368750	06-Mar-06		Method and system for providing distributed editing and storage of digital media over a network
RIC00019C1	US	11392533	30-Mar-06	8040876	Intelligent network and method for providing voice telephony over ATM and alias addressing
ASH05006	US	11421940	02-Jun-06	7894578	E911 LOCATION SERVICES FOR USERS OF TEXT DEVICE RELAY SERVICES
ASH06001	US	11425255	20-Jun-06	8086635	Compliance Monitoring
RIC01061C1	US	11427235	28-Jun-06	7643618	Telephone system and method for reliable emergency services calling
ASH05016	US	11452851	14-Jun-06		Method and system for providing digital media management using templates and profiles
RIC05005D2	US	11460163	26-Jul-06	7313298	Tunable filter
RIC05005D1	US	11460165	26-Jul-06	7315674	Optical filter

COS00018C1	US	11484185	11-Jul-06		Graphical user interface (GUI) based call application system
ASH05020	US	11517015	07-Sep-06		Method and system for delivery of digital media experience via common instant communication clients
ASH05019	US	11517016	07-Sep-06	7970260	Digital media asset management system and method for supporting multiple users
ASH05021	US	11517020	07-Sep-06		Providing end user community functionality for publication and delivery of digital media content
COS99005C1	US	11520999	14-Sep-06	7760862	Domestic to international collect call blocking
COS01002C1	US	11522676	18-Sep-06	7403931	Artificial intelligence trending system
RIC98047C1	US	11553285	26-Oct-06	7830891	METHOD OF AND SYSTEM FOR PROVIDING QUALITY OF SERVICE IN IP TELEPHONY
COS02005C1	US	11553802	27-Oct-06	8108930	SECURE SELF-ORGANIZING AND SELF-PROVISIONING ANOMALOUS EVENT DETECTION SYSTEMS
COS98049C1	US	11557419	07-Nov-06	8578390	METHOD AND APPARATUS FOR PROVIDING A REAL-TIME MESSAGE ROUTING COMMUNICATIONS MANAGER
RIC04019C1	US	11623250	15-Jan-07	7410134	System and method for routing cables
RIC98054C1	US	11687432	16-Mar-07	7921283	Method for Real-Time Data Authentication
RIC04002D1	US	11741827	30-Apr-07	7340148	Methods and systems for controlling fiber polarization mode dispersion (PMD)
CAR99006C1	US	11745241	07-May-07		NETWORK APPARATUSES, NETWORKS, COMPUTER PROGRAM PRODUCTS, AND MANAGEMENT STATION OPERATIONAL METHODS
COS99062D1	US	11757733	04-Jun-07	8170947	FRAUD DETECTION BASED ON CALL ATTEMPT VELOCITY ON TERMINATING NUMBER
CDR00011D1	US	11758075	05-Jun-07	8553857	SYSTEMS AND METHODS FOR RECEIVING TELEPHONE CALLS VIA INSTANT MESSAGING
RIC01064C1	US	11763794	15-Jun-07		SELECTIVE FEATURE BLOCKING IN A COMMUNICATIONS NETWORK
RIC01036C1	US	11849717	04-Sep-07		PROVIDING CONTENT DELIVERY DURING A CALL HOLD CONDITION
RIC00025C1	US	11856522	17-Sep-07	8467378	INTELLIGENT NETWORK AND METHOD FOR PROVIDING VOICE TELEPHONY OVER ATM AND POINT-TO-MULTIPOINT CONNECTIVITY

RIC98051C2	US	11928696	30-Oct-07	7480289	Method of and system for providing intelligent network control services in IP telephony
RIC98051C3	US	11928746	30-Oct-07	7411944	Method of and system for providing intelligent network control services in IP telephony
RIC98051C4	US	11928778	30-Oct-07	8085760	METHOD OF AND SYSTEM FOR PROVIDING INTELLIGENT NETWORK CONTROL SERVICES IN IP TELEPHONY
RIC00030C1	US	11951769	06-Dec-07	7991134	INTELLIGENT TELEPHONE SET
COS01030C1	US	11963414	21-Dec-07	8155122	LINKING AUTONOMOUS SYSTEMS WITH DUAL PREMISE ROUTING DOMAINS
RIC04002C1	US	12032368	15-Feb-08	8103139	METHODS AND SYSTEMS FOR CONTROLLING FIBER POLARIZATION MODE DISPERSION (PMD)
RIC95042C1	US	12033114	19-Feb-08	7492757	Hybrid packet-switched and circuit-switched telephony system
RIC01060C1	US	12134496	06-Jun-08		System, Method and Apparatus That Isolate Virtual Private Network (VPN) and Best Effort Traffic to Resist Denial of Service Attacks
RIC01016C1	US	12178743	24-Jul-08	8315593	METHOD FOR BILLING IN A TELECOMMUNICATIONS NETWORK
COS05010C1	US	12187146	06-Aug-08		METHOD AND SYSTEM FOR PROVIDING CUSTOMER CONTROLLED NOTIFICATIONS IN A MANAGED NETWORK SERVICES SYSTEM
RIC00007C1	US	12189511	11-Aug-08	8345711	COMMUNICATION SYSTEMS AND QSIG COMMUNICATIONS METHODS
WMA98004D2	US	12263913	03-Nov-08	7961634	HIGH RESILIENCY NETWORK INTRASTRUCTURE
RIC02012C1	US	12337194	17-Dec-08	8194838	Systems and Methods for Implementing Call Pickup in a SIP Environment
RIC95042C2	US	12339266	19-Dec-08		Hybrid Packet-Switched And Circuit-Switched Telephony System
RIC02010C1	US	12340922	22-Dec-08	8401158	Release Link Trunking for IP Telephony
OKL05001C1	US	12344819	29-Dec-08	8559601	Handling Emergency Service Calls Originating From Internet Telephony
RIC02002C1	US	12347643	31-Dec-08	8139746	Caller Treatment in a SIP Network
SKY03009C1	US	12347650	31-Dec-08	8068609	Method and System for Secured Wireless Data Transmission To and From a Remote Device
RIC99058D1	US	12347709	31-Dec-08		Methods for Providing Prepaid Telephony Service Via an Internet Protocol Network System
RIC01019D1	US	12347819	31-Dec-08	8161080	XML Based Transaction Detail Records

RIC99057C2	US	12391700	24-Feb-09		Method and System of Providing Differentiated Services
COS05012C1	US	12482127	10-Jun-09	8130922	Systems and Methods for Providing Emergency Contact Services
RIC97133C1	US	12483517	12-Jun-09	7742703	Characterization and Control of Optical Dispersion Compensating Element
RIC00015C2	US	12495286	30-Jun-09	8401023	Intelligent Network and Method for Providing Voice Telephony Over ATM and Private Address Translation
ASH04002C1	US	12507653	22-Jul-09		Fixed-Mobile Communications With Mid-Session Mode Switching
RIC01017C1	US	12510948	28-Jul-09		Recursive Query for Communications Network Data
RIC01003C1	US	12542473	17-Aug-09	8467308	COMMUNICATION SESSION QUALITY INDICATOR
COS97092C3	US	12570868	30-Sep-09	8479259	Secure Customer Interface for Web Based Data Management
RIC01061C2	US	12579516	15-Oct-09	8515019	Telephone System and Method for Reliable Emergency Services Calling
RIC04006C1	US	12582510	20-Oct-09		System And Method For Controlling Communication Flow Rates
CDR00010C1	US	12618360	13-Nov-09		Method for Charging On-Line Directory Assistance Services
COS98011C2	US	12618526	13-Nov-09	8565222	Enterprise Contact Server with Enhanced Routing Features
ASH05001C1	US	12632487	07-Dec-09	7916842	Systems and Methods for Providing Voicemail Services Including Caller Identification
COS01010C2	US	12633532	08-Dec-09	7974836	SYSTEM AND METHOD FOR VOICE USER INTERFACE NAVIGATION
COS03001C1	US	12633538	08-Dec-09	8340259	METHOD AND APPARATUS FOR PROVIDING FRAUD DETECTION USING HOT OR COLD ORIGINATING ATTRIBUTES
RIC00043C1	US	12633543	08-Dec-09	8131853	EXTERNAL PROCESSOR FOR A DISTRIBUTED NETWORK ACCESS SYSTEM
COS03004C1	US	12633547	08-Dec-09	8280736	Method and System for Providing Synthesized Speech
RIC98049C2	US	12692007	22-Jan-10		Internet protocol transport of PSTN-to-PSTN telephony services

RIC01062C1	US	12700940	05-Feb-10		User aliases in a communication system
COS99005C2	US	12704627	12-Feb-10	8442193	Domestic to international collect call blocking
COS99070C1	US	12721013	10-Mar-10		Secure Transaction Card Using Biometrical Validation
ASH03010C1	US	12722867	12-Mar-10	8392883	INTEGRATION OF INFORMATION DISTRIBUTION SYSTEMS
ASH05007C1	US	12722997	12-Mar-10	8537854	METHOD AND SYSTEM FOR PROVIDING INTERDOMAIN TRAVERSAL IN SUPPORT OF PACKETIZED VOICE TRANSMISSIONS
RIC01060C2	US	12725193	16-Mar-10	8543734	SYSTEM, METHOD AND APPARATUS THAT ISOLATE VIRTUAL PRIVATE NETWORK (VPN) AND BEST EFFORT TRAFFIC TO RESIST DENIAL OF SERVICE ATTACKS
RIC04016C1	US	12725898	17-Mar-10	8472327	APPARATUS AND METHOD FOR TESTING AND FAULT ISOLATION IN A COMMUNICATION NETWORK
ASH04001C1	US	12766736	23-Apr-10	8477617	SYSTEMS AND METHODS FOR MANAGING MULTICAST DATA TRANSMISSIONS
RIC98047C2	US	12789687	28-May-10	7924849	Method of and System for Providing Quality of Service in IP Telephony
RIC04021C1	US	12830491	06-Jul-10	8472314	Network-Based Dedicated Backup Service
COS01003C1	US	12836794	15-Jul-10		LIGHTWEIGHT DIRECTORY ACCESS PROTOCOL CLIENT
ASH01004C1	US	12839445	20-Jul-10	8427972	RESOURCE ALLOCATION IN VIRTUAL ROUTERS
RIC05008C1	US	12840060	20-Jul-10	8032541	Network Management System
RIC01040C1	US	12855930	13-Aug-10		Edge-based per-flow QoS admission control in a data network
COS99039C1	US	12872180	31-Aug-10	8121894	Early Payment Discount for E-Billing System
RIC04010C1	US	12961683	07-Dec-10		Method and Apparatus for Processing Labeled Flows in a Communications Access Network
COS04002C1	US	12962295	07-Dec-10		Systems and methods for gathering information
RIC04020C1	US	12967889	14-Dec-10		Method and System for Supporting Shared Local Trunking
COS03001P3C1	US	13004497	11-Jan-11		Method and apparatus for providing fraud detection using connection frequency thresholds
CDR04004C1	US	13005135	12-Jan-11		Universal communications identifier

RIC05007C1	US	13017274	31-Jan-11	8488790	Quantum key distribution system
CDR04001D1	US	13021970	07-Feb-11		Provision of telephony caller ID service via common instant communications clients
CDR02017P1C1	US	13026800	14-Feb-11		Call completion via instant communications client
ASH05010C1	US	13038019	01-Mar-11		Method and system for providing secure media gateways to support interdomain traversal
RIC98047C3	US	13052783	21-Mar-11	8537834	Method of and System for Providing Quality of Service in IP Telephony
RIC97094C2	US	13052858	21-Mar-11		Verification of path integrity in optical switch network
CDR02019C1	US	13073507	28-Mar-11		Providing of presence information to a telephony services system
RIC01019C1	US	13085876	13-Apr-11		XML based transaction detail records
CDR02015C1	US	13096149	28-Apr-11		COMMUNICATION CONVERTER FOR CONVERTING AUDIO INFORMATION/TEXTUAL INFORMATION TO CORRESPONDING TEXTUAL INFORMATION/AUDIO INFORMATION
RIC01008C1	US	13100624	04-May-11		Method and system for realizing an avatar in a management operations center implemented in a global ecosystem of interrelated services
RIC05002C1	US	13103307	09-May-11		Systems and methods for performing risk analysis
WMA98004D3	US	13106440	12-May-11	8443239	HIGH RESILIENCY NETWORK INFRASTRUCTURE
ASH05019C1	US	13113463	23-May-11		Digital media asset management system and method for supporting multiple users
RIC01042D1	US	13162338	16-Jun-11		Provisioning system for network resources
COS99062D1C1	US	13167923	24-Jun-11		FRAUD DETECTION BASED ON CALL ATTEMPT VELOCITY ON TERMINATING NUMBER
WMA05002CON1	US	13178708	08-Jul-11	8537987	BROADCASTING VOICEMAIL REPLIES
RIC00043C2	US	13180233	11-Jul-11	8296404	EXTERNAL PROCESSOR FOR A DISTRIBUTED NETWORK ACCESS SYSTEM
COS00019P2	US	13196798	02-Aug-11		Network Security Architecture
RIC04008P1C1	US	13205341	08-Aug-11		Apparatus and method for providing a network termination point
COS05013C1	US	13205934	09-Aug-11		Systems and methods for generating and testing interactive voice response applications
COS04001C1	US	13213166	19-Aug-11		Systems and methods for providing network-based voice authentication

RIC01062C2	US	13242413	23-Sep-11		User aliases in a communication system
RIC04002D2	US	13306427	29-Nov-11	8649642	METHODS AND SYSTEMS FOR PREDICTING AN OPTICAL FIBER PERFORMANCE PARAMETER
COS01017C1	US	13357297	24-Jan-12	8660853	Application infrastructure platform (AIP)
COS04005C1	US	13396341	14-Feb-12		Systems and methods for handling calls associated with an interactive voice response application
ASH05009C1	US	13454837	24-Apr-12		METHOD AND SYSTEM FOR PROVIDING SECURE COMMUNICATIONS BETWEEN PROXY SERVERS IN SUPPORT OF INTERDOMAIN TRAVERSAL
ASH01011D1	US	13490734	07-Jun-12		SYSTEMS AND METHODS FOR RETRIEVING AND MODIFYING DATA RECORDS FOR RATING AND BILLING PURPOSES
COS99015D	US	29107112	30-Jun-99	D422210	Phone Card Package
WMA99004D	US	29109471	16-Aug-99	D435775	Apparatus And Method For Perforating Package Coverings
ATL99003DE	US	29125987	06-Jul-00	D454910	Card with Keytag