

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2847300

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	VERIZON SERVICES CORP.	04/09/2014
RECEIVING PARTY DATA		
Name:	VERIZON PATENT AND LICENSING INC.	
Street Address:	ONE VERIZON WAY	
City:	BASKING RIDGE	
State/Country:	NEW JERSEY	
Postal Code:	07920	
PROPERTY NUMBERS Total: 386		
Property Type	Number	
Application Number:	08846615	
Application Number:	09187549	
Application Number:	08304174	
Application Number:	08380755	
Application Number:	08498265	
Application Number:	08677294	
Application Number:	08679384	
Application Number:	08980235	
Application Number:	09283400	
Application Number:	11069301	
Application Number:	11744400	
Application Number:	12715217	
Application Number:	08811714	
Application Number:	08812075	
Application Number:	08815075	
Application Number:	08815291	
Application Number:	08815367	
Application Number:	08931159	
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Application Number:	08931268	
Application Number:	08931477	

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Property Type	Number
Application Number:	08931480
Application Number:	08998274
Application Number:	09014286
Application Number:	09362554
Application Number:	09363750
Application Number:	09512471
Application Number:	09750771
Application Number:	10353360
Application Number:	10979317
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Application Number:	11930928
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Application Number:	11931111
Application Number:	07146386
Application Number:	07758052
Application Number:	08100939
Application Number:	08152360
Application Number:	08248980
Application Number:	08311461
Application Number:	08376201
Application Number:	08383740
Application Number:	08398938
Application Number:	08405557
Application Number:	08405558
Application Number:	08405685
Application Number:	08409443
Application Number:	08409574
Application Number:	08441976
Application Number:	08441977
Application Number:	08459941
Application Number:	08467646
Application Number:	08491515
Application Number:	08518512
Application Number:	08546255
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Application Number:	08555373
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Property Type	Number
Application Number:	08670908
Application Number:	08703164
Application Number:	08710594
Application Number:	08729215
Application Number:	08752424
Application Number:	08753153
Application Number:	08768460
Application Number:	08803701
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Application Number:	08811032
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Application Number:	09112154
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Application Number:	09156188
Application Number:	09220059
Application Number:	09291037
Application Number:	09441565
Application Number:	09514371
Application Number:	09584691
Application Number:	09612413
Application Number:	10095837
Application Number:	10217641
Application Number:	10442414
Application Number:	10807215
Application Number:	11052447
Application Number:	12705965
Application Number:	07859580
Application Number:	09596466
Application Number:	10991809
Application Number:	06903993
Application Number:	07505386

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REEL. 032851 FRAME. 0321

Property Type	Number
Application Number:	07514472
Application Number:	07515027
Application Number:	07610881
Application Number:	07620125
Application Number:	07639480
Application Number:	07667990
Application Number:	07684098
Application Number:	07689433
Application Number:	07697380
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Application Number:	08416016

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Application Number:	08923122
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Application Number:	08940943
Application Number:	08942690
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Application Number:	09082551
Application Number:	09112473
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Property Type	Number
Application Number:	12240565
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Application Number:	08499013
Application Number:	08806090
Application Number:	08977665
Application Number:	08533501
Application Number:	08651297
Application Number:	08656879
Application Number:	08656880
Application Number:	08725653
Application Number:	09007364

CORRESPONDENCE DATA

Fax Number: (908)766-8264

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Email: joseph.r.palmieri@verizon.com

Correspondent Name: JOSEPH R. PALMIERI

Address Line 1: ONE VERIZON WAY

Address Line 2: ROOM 54N074

Address Line 4: BASKING RIDGE, NEW JERSEY 07920

NAME OF SUBMITTER: JOSEPH R. PALMIERI

SIGNATURE: /joseph.r.palmieri/

DATE SIGNED: 05/08/2014

Total Attachments: 15

- source=Recordable Patent Assignment (VSC to VPLI) - VE matters#page1.tif
- source=Recordable Patent Assignment (VSC to VPLI) - VE matters#page2.tif
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- source=Recordable Patent Assignment (VSC to VPLI) - VE matters#page4.tif
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- source=Recordable Patent Assignment (VSC to VPLI) - VE matters#page13.tif
- source=Recordable Patent Assignment (VSC to VPLI) - VE matters#page14.tif

ASSIGNMENT

This ASSIGNMENT is effective as of April 9, 2014 between Verizon Services Corp., a corporation existing under the laws of Delaware and having an office located at 22007 Loudoun County Parkway, Ashburn, Virginia 20147 (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 Applications 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 Services Corp.



Name: Joseph Palmieri

Title: Assistant Secretary

Verizon Patent and Licensing Inc.



Name: Joseph Palmieri

Title: Vice President

SCHEDULE A

VZ ref	COUNTRY	APPLICATION NO	FILING DATE	PATENTNO	TITLE
VE1711	US	27-Mar-92	07859580		Data Transmission Via a Public Switch Telephone Network
VE2239	US	19-Jun-00	09596466		Methods and Apparatus for Providing Telephone Support for Internet Sales
VE2239CON1	US	18-Nov-04	10991809		Methods and Apparatus for Providing Telephone Support for Internet Sales
VE2047	US	29-Apr-97	08846615		Simulating Work Behavior
VE2047A	US	05-Nov-98	09187549	6216098	Simulating work behavior
VE2209A	US	06-Mar-97	08811714	6205139	Automatic called party locator over internet
VE2209	US	06-Mar-97	08812075	6104711	Enhanced internet domain name server
VE2214A	US	11-Mar-97	08815075	6721306	Public wireless/cordless internet gateway
VE2214	US	11-Mar-97	08815291	6542497	Public wireless/cordless internet gateway
VE2209B	US	11-Mar-97	08815367	6215790	Automatic called party locator over internet with provisioning
VE2233	US	16-Sep-97	08931159	6137869	Network session management
VE2233D	US	16-Sep-97	08931267	6292481	Inter-carrier signaling and usage accounting architecture for internet telephony
VE2233B	US	16-Sep-97	08931268	6157636	Network session management with gateway-directory services and authorization control
VE2233C	US	16-Sep-97	08931477	6157648	Network session management
VE2233A	US	16-Sep-97	08931480	6839340	Network session management
VE2235	US	24-Dec-97	08998274	6295292	Inbound gateway authorization processing for inter-carrier internet telephony
VE2235A	US	27-Jan-98	09014286	6289010	Inbound gateway authorization processing for inter-carrier internet telephony
VE2233E	US	28-Jul-99	09362554	6430275	Enhanced signaling for terminating resource
VE2214B	US	30-Jul-99	09363750	6359880	Public wireless/cordless internet gateway
VE2209C	US	24-Feb-00	09512471	6282574	Method, server and telecommunications system for name translation on a conditional basis and/or to a telephone number
VE2209ACON	US	02-Jan-01	09750771	6539015	Automatic called party locator over internet
VE2214DIV1	US	29-Jan-03	10353360	7088705	Public wireless/cordless internet gateway
VE2233ACON1	US	02-Nov-04	10979317	7948968	Network session management
VE2233AC2	US	31-Oct-07	11930672		Network Session Management
VE2233AC3	US	31-Oct-07	11930928		Network Session Management
VE2233AC4	US	31-Oct-07	11930990		Network Session Management
VE2233AC5	US	31-Oct-07	11931049		Network Session Management
VE2233AC6	US	31-Oct-07	11931111		Network Session Management
VE1613	US	21-Jan-88	07146386	D313008	Integral Multiple Transmission Line Interface Terminal
VE1602	US	12-Sep-91	07758052	5235638	Telephone network interface
VE1706	US	03-Aug-93	08100939	5437087	Method of attaching an interduct to aduct
VE1716	US	16-Nov-93	08152360	5416833	Method and apparatus for provisioning a public switched telephone network

Recordable Patent Assignment
(VSC to VPLI)

VE1603	US	25-May-94	08248980	5572583	Advanced intelligent network with intelligent peripherals interfaced to the integrated services control point
VE1603A	US	12-Sep-94	08311461	5583920	Intelligent peripheral in video dial tone network
VE1716A	US	20-Jan-95	08376201	5491742	Method and apparatus for provisioning a public switched telephone network
VE1606	US	06-Feb-95	08383740	5619562	Method and system for remotely activating/changing subscriber services in a public switched telephone network
VE1809	US	03-Mar-95	08398938	5684866	Method and apparatus for access to telephone operator services
VE2102	US	16-Mar-95	08405557	5563892	Method of upgrading the program transport capacity of an RF broadcast channel
VE2101	US	16-Mar-95	08405558	5651010	Simultaneous overlapping broadcasting of digital programs
VE2103	US	17-Mar-95	08405685	5659353	Television distribution system and method
VE2103A	US	24-Mar-95	08409443	5729825	Television distribution system and method using transmitting antennas on peripheries of adjacent cells within a service area
VE2101A	US	24-Mar-95	08409574	5646942	Simulcast transmission of digital programs to shared antenna receiving systems
VE2101C	US	16-May-95	08441976	5559808	Simulcasting digital video programs
VE2101B	US	16-May-95	08441977	5610916	Shared receiving systems utilizing telephone cables as video drops
VE1706A	US	02-Jun-95	08459941	5683211	Fiber optic saddle
VE1716B	US	05-Jun-95	08467646	5644619	Analysis and validation system for provisioning a public switched telephone network
VE2101D	US	19-Jun-95	08491515	5729549	Simulcasting digital video programs for broadcast and interactive services
VE0790	US	06-Jul-95	08499013	5826166	Digital entertainment terminal providing dynamic execution in video dial tone networks
VE2002	US	23-Aug-95	08518512	5765138	Apparatus and method for providing interactive evaluation of potential vendors
VE2101H	US	20-Oct-95	08546255	5784683	Shared use video processing systems for distributing program signals from multiplexed digitized information signals
VE2101E	US	06-Nov-95	08554014	5666365	Simulcast transmission of digital programs to shared antenna receiving systems
VE2101F	US	09-Nov-95	08555373	5852612	Terminal for receiving simulcast digital video programs
VE2101G	US	08-Dec-95	08569703	5822324	Simulcasting digital video programs for broadcast and interactive services
VE1902	US	11-Mar-96	08613560	5729598	Telephone network with telecommuting features
VE2203	US	26-Jun-96	08670908	6069890	Internet telephone service
VE1811	US	28-Aug-96	08703164	5892820	Directory assistance access to intercept telephone numbers
VE2208	US	20-Sep-96	08710594	5923659	Telecommunications network
VE2203A	US	09-Oct-96	08729215	6021126	Telecommunication number portability
VE2203B	US	19-Nov-96	08752424	6014379	Telecommunications custom calling services
VE1813	US	21-Nov-96	08753153	6173051	Custom routing for multiple carrier interconnection
VE2207	US	18-Dec-96	08768460	6078582	Internet long distance telephone service
VE1810	US	21-Feb-97	08803701	5898771	Method and apparatus for universal telephone operator service

Recordable Patent Assignment
(VSC to VPLI)

VE1506	US	25-Feb-97	08806090	6055077	Multimedia distribution system using fiber optic lines
VE1706B	US	06-Mar-96	08806174	5788414	Fiber optic saddle
VE2205	US	06-Mar-97	08811032	6075783	Internet phone to PSTN cellular/PCS system
VE2206	US	11-Mar-97	08815361	6574216	Packet data network voice call quality monitoring
VE2203C	US	13-Mar-97	08816908	6243374	Telecommunications custom calling services using voice mail
VE2204	US	19-Mar-97	08821027	6870827	Voice call alternative routing through PSTN and internet networks
VE1813B	US	05-May-97	08851549	5903639	Custom routing for multiple carrier interconnection
VE2014	US	09-May-97	08854124	6535713	Interactive training application
VE2103B	US	09-May-97	08854210	6005605	Television distribution system and method
VE2016	US	05-Jun-97	08870240	5937048	Program controlled switch provisioning
VE1716C	US	27-Jun-97	08884616	5881131	Analysis and validation system for provisioning network related facilities
VE2101J	US	25-Nov-97	08969965	6130898	Simulcasting digital video programs for broadcast and interactive services
VE0790A	US	24-Nov-97	08977665	5973684	Digital entertainment terminal providing dynamic execution in video dial tone networks
VE2107B	US	09-Jul-98	09112154	6097798	Electronic surveillance in a public switched telephone network
VE2107A	US	09-Jul-98	09112160	6229887	Advanced intelligent network (AIN) functionality for electronic surveillance
VE1814	US	17-Sep-98	09156188	6480598	Methods and apparatus for automating the telephone operator services
VE2208A	US	23-Dec-98	09220059	6181695	Telecommunications network
VE2208B	US	14-Apr-99	09291037	6625170	Telecommunications network
VE2203D	US	17-Nov-99	09441565	6711241	Internet telephone service
VE2207CON1	US	28-Feb-00	09514371	7817619	Internet Long Distance Telephone Service
VE2208C	US	01-Jun-00	09584691	6330250	Telecommunications network
VE1820	US	07-Jul-00	09612413	6795543	Intelligent routing to automate handling of operator-requested calls
VE2208BCON1	US	12-Mar-02	10095837	6885678	Telecommunications network
VE2014C1	US	13-Aug-02	10217641		INTERACTIVE TRAINING APPLICATION
VE2206CON1	US	21-May-03	10442414	7830860	Packet Data Network Voice Call Quality Monitoring
VE2203DCON1	US	22-Mar-04	10807215	7664097	Telephone service via networking
VE2204C1	US	07-Feb-05	11052447	7813332	Voice Call Alternative Routing through PSTN and Internet Networks
VE2203DCON2	US	15-Feb-10	12705965	8553681	Telephone Service Via Packet-Switched Networking
VE0102	US	05-Sep-86	06903993	4811382	Method and apparatus for applying messages in a telecommunications network
VE0302	US	06-Apr-90	07505386	5012511	Method of and system for control of special services by remote access
VE0301	US	25-Apr-90	07514472	5060255	Telecommunications system with timed-do-not-disturb
VE0801	US	26-Apr-90	07515027	5054055	Telephone system and method for the intelligent use of individual calling line identification information
VE0203	US	09-Nov-90	07610881	5204894	Personal electronic directory
VE1004	US	30-Nov-90	07620125	5173896	T-carrier network simulator
VE0102RE	US	10-Jan-93	07639480	RE34380	Method and apparatus for applying messages in a telecommunications network
VE0501	US	12-Mar-91	07667990	5121126	Beacon enhanced telecommunications system and method

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VE0502	US	12-Apr-91	07684098	5105197	Mobile access to telecommunications network
VE0103	US	23-Apr-91	07689433	5260986	Group notification service and system
VE0101	US	09-May-91	07697380	5195126	Emergency alert and security apparatus and method
VE0204	US	10-May-91	07698212	5200993	Public telephone network including a distributed imaging system
VE0605	US	21-May-91	07703642	5272748	Enhanced speed calling
VE1301	US	12-Jul-91	07729121	5243642	Telephone call management device
VE0201	US	15-Jul-91	07729762	5345501	Telephone central office based method of and system for processing customer orders
VE0802	US	12-Sep-91	07758051	5170426	Method and system for home incarceration
VE0701	US	27-Sep-91	07766535	5247347	PSTN architecture for video-on-demand services
VE0104	US	15-Oct-91	07775408	5333173	Personal checkup service and equipment
VE1501	US	11-Feb-92	07834050	5278539	Alerting and warning system
VE1311	US	11-Feb-92	07834053	5218633	Enhanced access to telecommunications network
VE0402	US	28-Feb-92	07843040	5247571	Area wide centrex
VE0406	US	05-Mar-92	07845924	5353331	Personal communications service using wireline/wireless integration
VE0409	US	17-Apr-92	07869931	5418844	Automatic access to information service providers
VE0405	US	26-May-92	07888098	5982870	Method for concurrently establishing switch redirection for multiple lines of the public telephone network
VE1214	US	13-Jul-92	07890588		Dynamic Channel Allocation Method and System for IntegratedServices Digital Network
VE0704	US	08-Jul-92	07910395		Media Server for Supplying Video and Multi-Media Data Over the Public Switched Telephone Network
VE1214A	US	17-Jul-92	07914618		Dynamic Channel Allocation Method and System for IntegratedServices Digital Network
VE0607	US	14-Aug-92	07929328		Apparatus and Method for Handling Busy Calls in Telephone Network
VE1316	US	28-Aug-92	07936455	5422936	Enhanced message service indication
VE1404	US	04-Sep-92	07938840	5348118	Method and apparatus for installing fiber optic cable
VE2304	US	14-Oct-92	07959920	5315641	Public switched telephone network access to public data network
VE1214B	US	18-Nov-92	07976923	5463629	Dynamic channel allocation method and system for integrated services digital network
VE0410	US	24-Dec-92	07996538		Subscriber Control of Access Restrictions on a Plurality ofthe Subscriber's Telephone Lines
VE0204A	US	12-Jan-93	08002393	5384835	Public telephone network including a distributed imaging system
VE0701A	US	02-Apr-93	08042270	5410343	Video-on-demand services using public switched telephone network
VE2613	US	12-May-93	08060077	5426688	Telecommunication alarm method and system
VE0402A	US	21-May-93	08080191	5422941	Extension of centrex services
VE1401	US	30-Jun-93	08085581	5483573	Electric circuit connector with auto-termination
VE1213	US	30-Jul-93	08094114		Dynamic Allocation of B-Channels in ISDN
VE1212	US	30-Jul-93	08094115	5479407	Channel utilization method and system for ISDN
VE1211	US	30-Jul-93	08094143	5442630	ISDN interfacing of local area networks
VE1210	US	14-Jan-94	08094144	5444703	ISDN interfacing of personal computers
VE0705A	US	30-Jul-93	08099381	5528281	Method and system for accessing multimedia data over public switched telephone network
VE2605	US	17-Sep-93	08121852	5394471	Method and system for proactive password validation

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VE0110	US	17-Sep-93	08121855	5475737	Toll saver for centralized messaging systems
VE0406A	US	19-Apr-94	08229891	5469496	Personal communications service using wireline/wireless integration
VE1711A	US	22-Apr-94	08232841	5467390	Data transmission via a public switched telephone network
VE0125	US	04-May-94	08237987	5497414	Telephone system processing of designated caller ID private calls
VE0734	US	26-May-94	08249572	5477263	Method and apparatus for video on demand with fast forward, reverse and channel pause
VE0422	US	22-Jun-94	08264166	5659605	Method and apparatus for providing soft dial tone using office equipment designators
VE1404A	US	30-Jun-94	08269169	5435412	Apparatus for installing fiber optical cable
VE2606	US	18-Jul-94	08277376	5557678	System and method for centralized session key distribution, privacy enhanced messaging and information distribution using a split private key public cryptosystem
VE2604	US	20-Jul-94	08277808	5588061	System and method for identity verification, forming joint signatures and session key agreement in an RSA public cryptosystem
VE0732	US	12-Sep-94	08302472	5541917	Video and TELCO network control functionality
VE0731	US	12-Sep-94	08304174	5682325	Level 1 gateway for video tone networks
VE0513	US	12-Oct-94	08321675	5673308	Personal phone number system
VE0421	US	18-Oct-94	08324652	5579379	Personal communications service having a calling party pays capability
VE2608	US	25-Oct-94	08328226	5588056	Method and system for generating pronounceable security passwords
VE0410A	US	31-Jan-95	08336700	5436957	Subscriber control of access restrictions on a plurality of the subscriber's telephone lines
VE2607	US	09-Nov-94	08338128	5535276	Yaksha, an improved system and method for securing communications using split private key asymmetric cryptography
VE0126	US	05-Dec-94	08353281	5680442	Voice mail communication with call blocking
VE0607A	US	12-Dec-94	08355331	5521965	Apparatus and method for handling busy calls in telephone network
VE0770C	US	22-Dec-94	08362318	6154207	Interactive language editing in a network based video on demand system
VE0512	US	12-Jan-95	08371902	5594779	Mobile audio program selection system using public switched telephone network
VE0126A	US	12-Jan-95	08371906	5631948	Voice mail communication with call blocking
VE2311	US	24-Jan-95	08377565	5692126	ISDN access to fast packet data network
VE0747	US	31-Jan-95	08380744	5583863	Full service network using asynchronous transfer mode multiplexing
VE0727C	US	31-Jan-95	08380755	5734589	Digital entertainment terminal with channel mapping
VE0773	US	31-Jan-95	08380758	5627836	VPI/VCI administration
VE0425	US	10-Feb-95	08388058	6163597	Method and apparatus for routing calls placed to a virtual telephone number
VE0433	US	21-Feb-95	08391974	5642418	Satellite television system and method
VE0409A	US	28-Feb-95	08396301	5524146	Automatic access to communication service providers
VE0772	US	22-Mar-95	08408254	5600632	Methods and apparatus for performance monitoring using synchronized network analyzers
VE0765	US	28-Mar-95	08413207	5544161	ATM packet demultiplexer for use in full service network having distributed architecture

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VE0777	US	28-Mar-95	08413215	5684799	Full service network having distributed architecture
VE0785	US	28-Mar-95	08413809	5583864	Level 1 gateway for video dial tone networks
VE0731B	US	28-Mar-95	08413810	5740075	Access subnetwork controller for video dial tone networks
VE0731A	US	28-Mar-95	08413812	5621728	Level 1 gateway controlling broadband communications for video dial tone networks
VE0429	US	29-Mar-95	08413863	5661791	Method and apparatus for enhanced distinctive call redirection
VE0786	US	28-Mar-95	08413981	5677905	Access subnetwork controller for video dial tone networks
VE0406C	US	31-Mar-95	08414610	5506887	Personal communications service using wireline/wireless integration
VE0704A	US	03-Apr-98	08416016	5790176	Media server for supplying video and multi-media data over the public switched telephone network
VE0430A	US	06-Apr-95	08418107	5524145	Incoming call completion threshold restriction
VE0432	US	17-Apr-95	08423254	5526413	Advanced intelligent network access by customer premise equipment
VE0734A	US	26-Apr-95	08428993	5594492	Method and apparatus for rapid channel selection
VE0511	US	01-May-95	08431940	5613190	Customer premise wireless distribution of audio-video, control signals and voice
VE0517	US	03-May-95	08434434	5781541	CDMA system having time-distributed transmission paths for multipath reception
VE0787	US	16-May-95	08441590	5650994	Operation support system for service creation and network provisioning for video dial tone networks
VE0767	US	31-May-95	08454669	5654751	Testing jig and method of testing video using testing jig
VE0705B	US	31-May-95	08455782	5625404	Method and system for accessing multimedia data over public switched telephone network
VE1711B	US	02-Jun-95	08460680	5692039	Improved data transmission via a public switched telephone network
VE0406D	US	05-Jun-95	08461908	5664005	Personal communications service using wireline/wireless integration
VE0406E	US	05-Jun-95	08463409	5610972	Personal communications service using wireline/wireless integration
VE0406F	US	06-Jun-95	08471037	5758281	Personal communications service using wireline/wireless integration
VE0435	US	21-Jun-95	08493076	5546450	System and method for providing switch translations
VE0791	US	28-Jun-95	08495926	5666487	Network providing signals of different formats to a user by multiplexing compressed broadband data with data of a different format into MPEG encoded data stream
VE0727D	US	03-Jul-95	08498265	5666293	Downloading operating system software through a broadcast channel
VE0439	US	20-Jul-95	08504305	5790173	Advanced intelligent network having digital entertainment terminal or the like interacting with integrated service control point
VE0424	US	19-Jul-95	08504377	5781620	Method and system for toll carrier selection
VE0308	US	25-Jul-95	08506655	5790633	System for proactively maintaining telephone network facilities in a public switched telephone network
VE0511A	US	27-Jul-95	08508131	5613191	Customer premise wireless distribution of audio-video, control signals and voice using CDMA

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VE0511D	US	27-Jul-95	08508345	5630204	Customer premise wireless distribution of broad band signals and two-way communication of control signals over power lines
VE0432A	US	31-Jul-95	08508428	5771279	Advanced intelligent network interacting with customer premises equipment
VE0514	US	03-Aug-95	08510732	5737706	Power system supporting CDPD operation
VE0511C	US	18-Aug-95	08516590	5708961	Wireless on-premises video distribution using digital multiplexing
VE0779	US	21-Aug-95	08518471	5712903	Split intelligent peripheral for broadband and narrowband services
VE0797	US	24-Aug-95	08518861	5680325	Network capacity creation for video dial tone network
VE0444	US	06-Sep-95	08524306	5586177	Intelligent signal transfer point (ISTP)
VE1719	US	13-Sep-95	08527595	5621787	Prepaid cash card
VE07104	US	22-Sep-95	08532314	5774689	Network configuration management system for digital communication networks
VE0778	US	25-Sep-95	08533501	5790543	Apparatus and method for correcting jitter in data packets
VE0443	US	05-Apr-95	08538935	5915008	System and method for changing advanced intelligent network services from customer premises equipment
VE1213A	US	05-Oct-95	08539251	5574861	Dynamic allocation of B-channels in ISDN
VE0442A	US	05-Oct-95	08539453	5835583	Mediated AIN control of short code access to information service providers
VE0442	US	05-Oct-95	08539639	5566235	Customer controlled service mediation management
VE0732A	US	05-Oct-95	08539646	5592477	Video and TELCO network control functionality
VE0126B	US	06-Oct-95	08539952	5661782	Voice mail communication with call blocking
VE0213	US	11-Oct-95	08540701	5761290	Alternate service activation
VE0308A	US	01-Nov-95	08551622	5687212	System for reactively maintaining telephone network facilities in a public switched telephone network
VE0520B	US	13-Nov-95	08557396	5751789	SNID with wireless backup
VE0126C	US	13-Nov-95	08557749	5812639	Message communication via common signaling channel
VE0521	US	20-Nov-95	08559668	5790631	Wireless drop
VE0511B	US	21-Nov-95	08560786	5793413	Wireless video distribution
VE0306	US	22-Nov-95	08562330	5802146	Maintenance operations console for an advanced intelligent network
VE0304	US	28-Nov-95	08563243	5838682	Method and apparatus for establishing communications with a remote node on a switched network based on hypertext dialing information received from a packet network
VE07101B	US	30-Nov-95	08563399	5825862	Method of altering the destination telephone number of an incoming call
VE07101	US	30-Nov-95	08563400	5754546	AIN narrowband to video signalling
VE07101C	US	30-Nov-95	08564960	5754641	Method of screening outgoing calls via a video display
VE07101A	US	30-Nov-95	08564964	5805682	Method for delivering call related information to a video display
VE07101D	US	30-Nov-95	08564999	5751707	AIN interaction through wireless digital video network
VE2518	US	04-Dec-95	08566983	5920821	Use of cellular digital packet data (CDPD) communications to convey system identification list data to roaming cellular subscriber stations
VE2519	US	04-Dec-95	08566984	5790952	Beacon system using cellular digital packet data (CDPD) communication for roaming cellular stations

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VE0783D	US	07-Dec-95	08568762	5859895	Auxiliary circuit switching for provisioning and/or repair in a fiber-to-the-curb system
VE0783E	US	07-Dec-95	08568763	6002502	Switchable optical network unit
VE0781	US	22-Dec-95	08575874	5790171	Video dial tone network synchronization
VE0445	US	22-Jan-96	08589360	5692033	AIN queuing for call-back system
VE0438	US	23-Jan-96	08590295	5754634	System and method for tracking and reporting incoming calls
VE0522	US	26-Jan-96	08592441	5805997	System for sending control signals from a subscriber station to a network controller using cellular digital packet data (CDPD) communication
VE0736	US	06-Feb-96	08595883	5820463	Method and apparatus for multi-player gaming over a network
VE0309	US	05-Feb-96	08596657	5771273	Network accessed personal secretary
VE1325	US	08-Feb-96	08598457	7012630	Spatial sound conference system and apparatus
VE0126E	US	09-Feb-96	08598767	6215858	Analog terminal internet access
VE07106B	US	09-Feb-96	08598768	5854835	Telecommunications network circuit usage measurement
VE0126D	US	09-Feb-96	08598769	6285745	Analog terminal internet access
VE07106	US	09-Feb-96	08598772	5809120	Telecommunications network circuit usage measurement
VE07106A	US	09-Feb-96	08598869	5774530	Telecommunications network circuit usage measurement
VE2614	US	23-Feb-96	08606085	5828978	Line restoration detection for security systems
VE0705C	US	06-Mar-96	08611422	5790174	PSTN architecture for video-on-demand services
VE0438A	US	27-Mar-96	08622355	5896445	Incoming call tracking with interactive data collection
VE0311	US	28-Mar-96	08623103	5884262	Computer network audio access and conversion system
VE0705E	US	29-Mar-96	08623761	5802283	Method and system for accessing multimedia data over public switched telephone network
VE0705D	US	29-Mar-96	08623804	5712906	Communications systems supporting shared multimedia session
VE1312	US	18-Apr-96	08634543	6438218	Internet telephone service
VE1405	US	16-May-96	08649418	5680494	FC-type optical fiber connector adapter
VE0778B	US	22-May-96	08651297	5966387	Apparatus and method for correcting jitter in data packets
VE0774B	US	30-May-96	08656879	5880864	Advanced optical fiber communications network
VE0774	US	30-May-96	08656880	5808767	Fiber optic network with wavelength-division-multiplexed transmission to customer premises
VE2607A	US	07-Jun-96	08660403	5737419	Computer system for securing communications using split private key asymmetric cryptography
VE2607B	US	07-Jun-96	08663019	5748735	Securing E-mail communications and encrypted file storage using yaksha split private key asymmetric cryptography
VE0731D	US	09-Jul-96	08677294	5748493	Level 1 Gateway for video dial tone networks
VE0447	US	11-Jul-96	08678725	5864614	Intelligent peripheral and network control
VE0731C	US	09-Jul-96	08679384	5917537	Level 1 gateway for video dial tone networks
VE1726	US	15-Aug-96	08689832	6325753	Method and apparatus for treatment of sediment
VE2606A	US	08-Aug-96	08694373	5838792	Computer system for centralized session key distribution, privacy enhanced messaging and information distribution using a split private key public cryptosystem
VE07109	US	14-Aug-96	08698281	5847771	Digital entertainment terminal providing multiple digital pictures

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VE1312A	US	16-Aug-96	08698713	6125113	Internet telephone service
VE0215	US	09-Sep-96	08709593	5757894	Virtual foreign exchange service
VE1718	US	01-Oct-96	08725349	5864612	Caller selective identification for telephone calls
VE0512A	US	03-Oct-96	08725385	5694455	Mobile audio program selection system using public switched telephone network
VE0778C	US	01-Oct-96	08725653	5805602	Network monitoring system for cell delay variation
VE0519	US	08-Oct-96	08727730	6570871	Internet telephone service using cellular digital vocoder
VE2608A	US	15-Oct-96	08731427	5850448	Programmed computer for generating pronounceable security passwords
VE2604A	US	15-Oct-96	08731428	5905799	Programmed computer for identity verification, forming joint signatures and session key agreement in an RSA public cryptosystem
VE2222ACPA	US	21-Nov-96	08753154	6292478	Telecommunications system
VE2222A	US	21-Nov-96	08753154		Telecommunications System
VE2222	US	21-Nov-96	08753197	6546003	Telecommunications system
VE2227	US	21-Nov-96	08753198	6195425	Telecommunications system with wide area internetwork control
VE0308B	US	29-Nov-96	08757682	5790634	Combination system for proactively and reactively maintaining telephone network facilities in a public switched telephone system
VE0727F	US	17-Dec-96	08767777	5768539	Downloading applications software through a broadcast channel
VE2218	US	07-Jan-97	08779458	6064653	Internetwork gateway to gateway alternative communication
VE2212	US	28-Jan-97	08789809	5940598	Telecommunications network to internetwork universal server
VE1312B	US	03-Feb-97	08790888	6122255	Internet telephone service with mediation
VE0308C	US	20-Feb-97	08803113	5953389	Combination system for provisioning and maintaining telephone network facilities in a public switched telephone network
VE0218	US	11-Mar-97	08815292	6005696	Backhauling test procedures for communications networks
VE0304A	US	11-Mar-97	08815359		Apparatus and Method for Substituting a PSTN Connection for a Packet Data Network Connection
VE1215	US	11-Mar-97	08815363	6650631	Public IP transport network
VE1215A	US	11-Mar-97	08815364	6097719	Public IP transport network
VE2228	US	12-Mar-97	08816228	6038227	Preselection of service provider and functionality
VE1215B	US	12-Mar-97	08816229	6084892	Public IP transport network
VE0603	US	13-Mar-97	08816909	5953399	PBX selective caller identification authentication
VE2220	US	19-Mar-97	08822602		Transport of Caller Identification Information Through Diverse Communication Networks
VE2220CPA	US	19-Mar-97	08822602	6292479	Transport of caller identification information through diverse communication networks
VE1407	US	28-Mar-97	08828960	6031300	Bridge tap remover
VE0513A	US	30-Apr-97	08841373	5920815	Personal phone number system
VE2213	US	03-Jun-97	08867762	6233234	Secure LAN/internet telephony
VE2610A	US	17-Jul-97	08895745	5958005	Electronic mail security
VE2225	US	24-Jul-97	08899813	6272126	Internetwork telephony with enhanced features
VE2229	US	13-Jul-97	08904117	5958016	Internet-web link for access to intelligent network service control

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VE0512B	US	04-Sep-97	08923122	6029064	Mobile audio program selection system using public switched telephone network
VE0313	US	17-Sep-97	08931985	6154445	Telephony communication via varied redundant networks
VE1408	US	30-Sep-97	08940943	5897081	Method of replacing a telephone pole and suspension bracket useable therefor
VE0777A	US	29-Sep-97	08942690	6041056	Full service network having distributed architecture
VE0406G	US	16-Oct-97	08951470	6011975	Method of personal communications service using wireline/wireless integration detecting a predetermined event during process of a call
VE0315	US	27-Oct-97	08958310	6147988	IP packet switching in a Telco switch
VE0512C	US	04-Nov-97	08964234	6151491	Mobile voice message/electronic mail system
VE0524	US	18-Nov-97	08972250	6377562	Wireless asymmetric local loop (WASL) communication
VE0727G	US	28-Nov-97	08980235	5978855	Downloading applications software through a broadcast channel
VE0524A	US	22-Dec-97	08996339	6240094	Statistical time division multiplexer for a wireless asymmetric local loop communication system
VE0129	US	23-Dec-97	08997538	6061432	Voice mail system for obtaining routing information from signaling nodes
VE0512D	US	24-Dec-97	08998020	6167253	Mobile data/message/electronic mail download system utilizing network-centric protocol such as Java
VE0774A	US	15-Jan-98	09007364	5864415	Fiber optic network with wavelength-division-multiplexed transmission to customer premises
VE0130	US	23-Jan-98	09012727	6427010	Systems and methods for providing voice mail services to ported numbers by supplying routing information via signaling network
VE0306A	US	26-Feb-98	09031043	6018567	Maintenance operations console for an advanced intelligent network
VE1725A	US	11-Mar-98	09038100	6104913	Personal area network for personal telephone services
VE0442B	US	27-Mar-98	09049094	6185289	Mediated AIN control of short code access to information service providers
VE1724A	US	02-Apr-98	09053676	6240337	Flywheel reserve power for outside plant of a communication network
VE0451	US	02-Apr-98	09053678	6160880	Local number portability service saver
VE1725	US	08-Apr-98	09056844	6317484	Personal telephone service with transportable script control of services
VE0916	US	09-Apr-98	09057369	6330308	Voice mail system for obtaining forwarding number information from directory assistance systems having speech recognition
VE0131	US	07-May-98	09073812	6226359	Voice mail source address identification blocking
VE0248	US	21-May-98	09082551	6233315	Methods and apparatus for increasing the utility and interoperability of peripheral devices in communications systems
VE0453	US	09-Jul-98	09112473	6078648	Advanced intelligent network (AIN) functionality for electronic surveillance
VE2226	US	12-Aug-98	09133658	6243832	Network access server testing system and methodology
VE2403	US	24-Aug-98	09138406	6480487	Digital loop carrier remote terminal having integrated digital subscriber plug-in line cards for multiplexing of telephone and broadband signals
VE2237	US	27-Aug-98	09141725	6456632	Protocol separation in packet communication

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VE1410	US	31-Aug-98	09144635	7843898	Selective Bandwidth Connectivity through Network Line Cards
VE0254	US	16-Sep-98	09154014	6427006	Methods and apparatus for servicing directory assistance calls requesting non-published number information
VE0227	US	17-Sep-98	09154965	7606359	Methods and apparatus for automating the servicing of telephone calls including requesting directional and/or other types of information
VE0254A	US	17-Sep-98	09156193	6108410	Methods and apparatus for automating the detection, reporting and correction of operator input errors
VE1219	US	28-Sep-98	09161276	6400708	D-channel voice communications
VE0249	US	23-Oct-98	09178295	6850609	Methods and apparatus for providing speech recording and speech transcription services
VE0132	US	02-Nov-98	09184008	6798868	Call notification service for use with call waiting
VE0454	US	17-Nov-98	09193246	6195422	Method for providing equal access dialing for pre-paid telecommunication services
VE1022	US	30-Nov-98	09201463	6084946	Qualifying a telephone line for digital transmission service
VE2405	US	30-Dec-98	09222789	6078649	Remote subscriber loop terminal alarm monitoring
VE1216	US	08-Jan-99	09227575	6891851	Method and apparatus for communicating maintenance messages and/or test messages of digital subscriber line services
VE07110	US	21-Jan-99	09234464	6215855	Loop certification and measurement for ADSL
VE1432	US	05-Mar-99	09263772	6421428	Flexible ANI
VE2238	US	18-Mar-99	09271450	6636504	Reverse billing of internet telephone calls
VE2518A	US	26-Mar-99	09276751	6128489	Use of cellular digital packet data (CDPD) communications to convey system identification list data to roaming cellular subscriber stations
VE2518B	US	26-Mar-99	09277160	6246875	Use of cellular digital packet data (CDPD) communications to convey system identification list data to roaming cellular subscriber stations
VE07114	US	01-Apr-99	09283400	6538781	Multimedia distribution system using fiber optic lines
VE0783F	US	14-May-99	09311274	6097515	Switchable optical network unit
VE0452	US	27-Mar-98	09314854	6831914	Services control point selection in an advanced intelligent network
VE0133	US	25-Jun-99	09344340	6442242	Multifunction autoattendant system and method of operation thereof
VE0225	US	01-Jan-99	09354449	6195658	Method and system for auditing a test database against a reference database
VE2316	US	22-Jul-99	09359013		Methods and Apparatus for Enhancing the Functionality of Devices Coupled to ATM Based Networks Viaan IP Based Network
VE1351	US	31-Aug-99	09386775	7349536	Techniques for providing uninterrupted digital communications to customers coupled to local loop generation equipment
VE1027	US	07-Dec-99	09455517	6996067	Apparatus for and method of providing and measuring data throughput to and from a packet data network
VE2242	US	10-Dec-99	09458986	6185204	Internet phone to PSTN cellular/PCS system
VE0264	US	19-Jan-00	09487049	7062465	Methods and apparatus for providing agent controlled synchronized browsing at a terminal
VE0260	US	15-Feb-00	09505145	6459780	Methods and apparatus for providing a called party call disposition options in real time

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VE0259	US	15-Feb-00	09505146	6697461	Methods and apparatus for providing call screening and other communication services
VE1218	US	10-Mar-00	09523267	6993123	Intelligent access control system
VE0263	US	18-Apr-00	09551758	6771766	Methods and apparatus for providing live agent assistance
VE0475A	US	30-Jun-00	09606684		Method of and Apparatus for Mediating Common Channel Signaling Message Between Networks Using Control Message Templates
VE0477	US	30-Jun-00	09607887	6823057	Methods and apparatus for notifying subscriber's of forwarded calls
VE0475B	US	30-Jun-00	09607930		Method of and Apparatus for Authenticating Control Messages in a Signaling Network
VE0475C	US	30-Jun-00	09607931		Method of and Apparatus for Mediating Common Channel Signaling Messages Between Networks Using a Pseudo-Switch
VE0478	US	30-Jun-00	09608393	6718026	Call forwarding methods and apparatus
VE0267	US	30-Jun-00	09608405	6650738	Methods and apparatus for performing sequential voice dialing operations
VE0479	US	30-Jun-00	09609020	7050558	Methods and apparatus for enabling/disabling calling forwarding service
VE0475	US	30-Jun-00	09609033		Method of and Apparatus for in Context Mediating Common Channel Signaling Message Between Networks
VE1029	US	10-Jul-00	09613512	6819746	Expert system for loop qualification of XDSL services
VE0313A	US	17-Jul-00	09617816	7012898	Telephony communication via varied redundant networks
VE1352	US	25-Jul-00	09625252	7228358	Methods, apparatus and data structures for imposing a policy or policies on the selection of a line by a number of terminals in a network
VE1224	US	01-Aug-00	09630413	7092362	Terminal extension repeater
VE0476	US	11-Sep-00	09659181	6816584	Routing a call through a telecommunications network
VE07110A	US	12-Sep-00	09660395	6477238	Loop certification and measurement for ADSL
VE07114CIP1	US	21-Sep-00	09667419	6978091	Methods and apparatus for generating local oscillation signals
VE1225	US	29-Nov-00	09725156		Method of and Apparatus for Providing Multiple Independent Voice Telephone Line Circuits Using and Includinga Packet Voice Device
VE0272	US	29-Nov-00	09725619		DSL Demo Kiosk
VE2240	US	02-Jan-01	09751392	6647108	Internet call manager
VE0475BCIP	US	18-Jan-01	09767292	7360090	Method of and apparatus for authenticating control messages in a signaling network
VE0475ACIP	US	24-Jan-01	09767902	7184538	Method of and apparatus for mediating common channel signaling message between networks using control message templates
VE0475CIP	US	05-Feb-01	09781922	7218613	Method and apparatus for in context mediating common channel signaling messages between networks
VE0270A	US	20-Mar-01	09812487	6947537	Methods and apparatus for using AIN techniques to facilitate servicing of calls by a group of users
VE0270B	US	20-Mar-01	09812488	6920213	Methods and apparatus for facilitating the interaction between multiple telephone and computer users
VE2220CON	US	23-Jul-01	09909784	7835344	TRANSPORT OF CALLER IDENTIFICATION INFORMATION THROUGH DIVERSE COMMUNICATIONNETWORKS

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VE0475CCIP	US	18-Jan-01	09982179	7224686	Method of and apparatus for mediating common channel signaling messages between networks using a pseudo-switch
VE2240C1	US	04-Aug-03	10632803	7616747	Telephone network control system and method
VE0263CON1	US	30-Jul-04	10903600	8135126	Methods and Apparatus for Providing Live Agent Assistance
VE0452CON1	US	13-Oct-04	10964014	7606219	Services control point selection in an advanced intelligent network
VE07114CON1	US	01-Mar-05	11069301	7224896	Methods and apparatus for generating local oscillation signals
VE2239CON2	US	31-May-05	11141166	7433459	Methods and apparatus for providing telephone support for internet sales
VE1027C1	US	30-Sep-05	11239112	8014314	Apparatus for and Method of Providing and Measuring Data Throughput to and from a Packet Data Network
VE1218CON1	US	29-Dec-05	11319476	7263182	Intelligent access control system
VE0264CON1	US	27-Jan-06	11340811	7296002	Methods and apparatus for providing agent controlled synchronized browsing at a terminal
VE0313AC1	US	15-Feb-06	11354033	7483417	Telephony communication via varied redundant networks
VE1325C1	US	16-Feb-06	11355171	8170193	Spatial sound conference system and method
VE07114D1	US	04-May-07	11744400	7684707	Methods and apparatus for generating local oscillation signals
VE2239CON3	US	05-May-08	12115540	7756264	METHOD AND APPARATUS FOR PROVIDING TELEPHONE SUPPORT FOR INTERNET SALES
VE0313AC2	US	29-Sep-08	12240565	8379531	Telephony communication via varied redundant networks
VE2240C2	US	09-Nov-09	12615061		TELEPHONE NETWORK CONTROL SYSTEM AND METHOD
VE07114C2	US	01-Mar-10	12715217	8078056	MULTIMEDIA DISTRIBUTION SYSTEM USING FIBER OPTIC LINES
VE1410C1	US	21-Oct-10	12909512		Selective Bandwidth Connectivity through Network Line Cards
VE1313	US	06-Apr-95	29037981	D388782	Voice Response Unit
VE1323	US	06-Apr-95	29037982	D379812	Compact Disc Interactive Kiosk