PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the grant language within the Assignment document previously recorded on Reel 014468 Frame 0137. Assignor(s) hereby confirms the assignment document.

CONVEYING PARTY DATA

Name	Execution Date
Conexant Systems, Inc.	06/27/2003

RECEIVING PARTY DATA

Name:	Mindspeed Technologies, Inc.
Street Address:	4000 MacArthur Blvd.
City:	Newport Beach
State/Country:	CALIFORNIA
Postal Code:	92660-3095

PROPERTY NUMBERS Total: 4

Property Type	Number
Patent Number:	5774839
Patent Number:	5694521
Patent Number:	6493665
Patent Number:	6104992

CH $160.00 5774839

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	6757-36600

NAME OF SUBMITTER:	Dean M. Munyon

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ASSIGNMENT OF INVENTIONS, PATENTS, PATENT APPLICATIONS, TRADEMARKS AND COPYRIGHTS

WHEREAS, CONEXANT SYSTEMS, INC. ("Assignor"), a Delaware corporation with an office at 4311 Jamboree Road, Newport Beach, California 92660-3095, owns or has rights to certain inventions, patents, patent applications, trademarks and copyrights identified in the attached Schedule entitled "IP SCHEDULE 101.1(d)";

WHEREAS, MINDSPEED TECHNOLOGIES, INC. ("Assignee"), a Delaware corporation with an office at 4000 MacArthur Blvd., Newport Beach, California 92660-3095, wishes to acquire full rights and ownership of said inventions, patents, patent applications, trademarks and copyrights.

DRG
Initials
10/23/2012
Date

Assignor's

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor grants, conveys, assigns and transfers to the Assignee and the Assignee's successors and assigns, Assignee's entire right, title and interest in and to said inventions, patents, patent applications and associated invention disclosures of the same, trademarks, together with the good will of the business symbolized by the mark, and copyrights listed on the attached Schedule identified as "IP SCHEDULE 101.1(d)", including all corresponding applications such as continuations, continuations-in-part, divisionals, provisionals, reissues, reexaminations thereof and the subject matter of any and all claims which may be obtained in every such patent, as well as all corresponding foreign patents, foreign patent applications, foreign trademarks registrations, foreign trademark applications in whatever jurisdictions in which the same exist along with all rights of priority and the right to file applications for patents, trademarks and copyrights based thereon and to prosecute such applications and receive patents, trademark registrations and copyright registrations thereon in its own name, all of the same to be held and enjoyed by the said Assignee, its successors, assigns or other legal representatives, for its own use and advantage, and for the use and advantage of its successors, assigns or other legal representatives, to the end of the term or terms for which patents, trademark registrations and copyright registrations are or may be granted, re-issued or re-examined, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment not been made, including all rights to profits and damage by reason of past infringement by any party or parties, with the right to sue and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns or other legal representatives, along with any and all of Assignor's rights under the assigned copyrights to publish, reproduce, display, transmit, adapt, sell, prepare derivative works, distribute, perform or otherwise make use of such assigned work or portions thereof throughout the world in any form or medium, and in any language, and to license the assigned copyrights to others, for the entire term of copyright, including any renewals and extension. Where permitted by law, Assignor waives any applicable moral rights.

UPON SAID CONSIDERATION, Assignor appoints Assignee and Assignee's successors and assigns as its attorney-in-fact to act in Assignor's name and place to execute, deliver and record any document or instrument of assignment or conveyance necessary to perfect, grant, and confirm the rights granted herein, and Assignor conveys to the Assignee the right to make application, prosecute, receive and enforce in its own behalf and name the inventions, patents, patent applications and trademarks of "IP SCHEDULE 101.1(d)" in the United States and all foreign countries and to claim priority therefrom under the Patent Cooperation Treaty, the International Convention and/or any other international arrangement.

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be duly executed by one of its officers on the date shown below.

CONEXANT SYSTEMS, INC.

By _____

Dennis E. O'Reilly
Name

Senior Vice President, General Counsel and Secretary
Title

MINDSPEED TECHNOLOGIES, INC.

By _____

Bradley W. Yates
Name

Senior Vice President and Chief Administrative Officer
Title

Date: June 27, 2003

Schedule 1.01(d)
Patents

00CXT0003N/US	Alignment of Parallel Data Channels Using Header Detection Signaling	09/487,139	19-Jan-2000		
00CXT0006N/US	Packet Length Indication For a Facsimile System	09/696,562	25-Oct-2000		
00CXT0010N/AU	Rate Determination Coding	36829/01	08-Feb-2001		
00CXT0010N/BR	Rate Determination Coding	PI 0108167-5	07-Aug-2002		
00CXT0010N/CN	Rate Determination Coding	01804689.4	08-Aug-2002		
00CXT0010N/EP	Rate Determination Coding	01909033.1-2218	08-Feb-2001		
00CXT0010N/HK	Variable Bit Rate Speech Coder Based on Existent Standards	03100292.2	13-Jan-2003		
00CXT0010N/JP	Rate Determination Coding	559002/2001	05-Aug-2002		
00CXT0010N/KR	Rate Determination Coding	10-2002-7010088	05-Aug-2002		
00CXT0010N/PCT	Rate Determination Coding	01/04230	08-Feb-2001		
00CXT0010N/RU	Rate Determination Coding	2002123881	06-Sep-2002		
00CXT0010N/US	Rate Determination Coding	09/499,999	08-Feb-2000		
00CXT0021N/US	A Time-Domain Equalizer (TEQ) with Controlled Flateness, for DMT Based Modems, Using the Inverse Power Method	60/280,204	30-Mar-2001		
00CXT0024N/EP	A High Performance VLIW Processor	01999878.0	03-Dec-2001		
00CXT0024N/PCT	A High Performance VLIW Processor	01/46608	03-Dec-2001		
00CXT0024N/US	A High Performance VLIW Processor	09/730,039	05-Dec-2000		
00CXT0048N/US	Double Talk Detector for Echo Cancellation in a Speech Communication System	09/663,246	15-Sep-2000		
00CXT0051N/US	Apparatus and Methods for Initializing Integrated Circuit Addresses	09/876,301	06-Jun-2001		
00CXT0053N/US	Intelligent Discontinuous Transmission and Comfort Noise Generation Scheme for Pulse Code Modulation Speech Coders	09/484,731	18-Jan-2000	6,510,409	21-Jan-2003
00CXT0059N/EP	DSL Auto Baud	00990460.8	30-Oct-2000		
00CXT0059N/PCT	DSL Auto Baud	00/41700	30-Oct-2000		
00CXT0059N/US	Pre-Synchronization Auto Baud	10/310,338	05-Dec-2002		
00CXT0059N/US/1	Method and Apparatus for Pre-Synchronization Auto Baud	60/166,028	17-Nov-1999		
00CXT0059N/US/2	Pre-Synchronization Auto Baud	60/197,047	14-Apr-2000		
00CXT0059N/US/3	Pre-Synchronization Auto Baud	09/629,565	31-Jul-2000	6,546,046	08-Apr-2003
00CXT0059N/US/4	DSL Post Synchronization Auto Baud	09/629,564	31-Jul-2000	6,535,551	18-Mar-2003
00CXT0059N/US/5	DSL Auto Baud	09/629,563	31-Jul-2000	6,570,915	27-May-2003
00CXT0063/PCT	Controlling a Weighting Filter Based on the Spectral Content of a Speech Signal	02/26817	23-Aug-2002		

Schedule 1.01(d)
Patents

00CXT0063/US	Controlling a Weighting Filter Based on the Spectral Content of a Speech Signal	09/953,470	13-Sep-2001		
00CXT0065N/CN	Injecting High Frequency Noise into Pulse Excitation for Low Bit Rate CELP		10-Dec-2001		
00CXT0065N/EP	Injecting High Frequency Noise into Pulse Excitation for Low Bit Rate CELP		10-Dec-2001		
00CXT0065N/KR	Injecting High Frequency Noice into Pulse Excitation for Low Bit CELP		10-Dec-2001		
00CXT0065N/PCT	System of Encoding and Decoding Speech Signals	01/46778	10-Dec-2001		
00CXT0065N/US	Injecting High Frequency Noise Into Pulse Excitation for Low-Bit Rate CELP	60/233,043	15-Sep-2000		
00CXT0065N/US/2	Injecting High Frequency Noise Into Pulse Excitation for Low-Bit Rate CELP	09/755,441	05-Jan-2001	6,529,867	04-Mar-2003
00CXT0076N/US	Intelligent Network Interface Port for Visiting Computers	09/737,142	14-Dec-2000		
00CXT0079N/US	Digital to Analog Converter with Binary Coded Inputs to Produce a Plurality of Outputs in the Form of Thermometer Code	08/317,489	04-Oct-1994	5,640,162	17-Jun-1997
00CXT0085N/US	Digital Peak Detector and Method of Peak Detection	770,947	30-Aug-1985	4,654,587	31-Mar-1987
00CXT0087N/US	Complex Multiplier for Binary Two's Complement Numbers	653,179	24-Sep-1984	4,680,727	14-Jul-1987
00CXT0090N/US	Isolated Controller Circuit	06/934,516	24-Nov-1986	4,709,315	24-Nov-1987
00CXT0091N/US	Very-High-Speed Frequency-Domain FFT Windowing Device	439,901	21-Nov-1989	5,033,019	16-Jul-1991
00CXT0099N/US	One-Bit Sigma-Delta Modulator with Improved Signal Stability	832,515	07-Feb-1992	5,179,380	12-Jan-1993
00CXT0103N/US	Radix-12 DFT/FFT Building Block	779,778	21-Oct-1991	5,233,551	03-Aug-1993
00CXT0104N/US	Apparatus for Extracting One from Many Multiplexed Signals	646,912	28-Jan-1991	5,247,515	21-Sep-1993
00CXT0107N/US	Product Code Memory Itakura-Saito (MIS) Measure for Sound Recognition	869,275	15-Apr-1992	5,274,739	28-Dec-1993
00CXT0114N/US	Combined Decimation/Interpolation Filter for ADC and DAC	010,093	28-Jan-1993	5,339,263	16-Aug-1994
00CXT0125N/US	Digital Phase Shifting Apparatus which Compensates for Change of Frequency of an Input Signal to be Phase Shifted	399,678	19-Jul-1982	4,495,473	22-Jan-1985
00CXT0127N/US	Adaptive Spectrum Shaping Filter	349,871	18-Feb-1982	4,524,424	18-Jun-1985
00CXT0139N/US	Fault Tolerant Gate Array Using Duplication Only	902,639	23-Jun-1992	5,369,654	29-Nov-1994

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Patents

00CXT0148N/US	Arrayable Modular FFT Processor	07/549,041	06-Jul-1990	5,093,801	03-Mar-1992
00CXT0154N/US	High-Speed Modified Successive Approximation Analog to Digital Converter	347,703	05-May-1989	5,017,920	21-May-1991
00CXT0155N/US	Clockless A/D Converter	435,905	13-Nov-1989	5,014,057	07-May-1991
00CXT0156N/US	Charge Domain Successive Approximation Analog to Digital Converter	498,788	26-Mar-1990	5,010,340	23-Apr-1991
00CXT0160N/US	Programmable Windowing FFT Device with Reduced Memory Requirements	418,812	03-Oct-1989	4,970,674	13-Nov-1990
00CXT0166N/US	Self-Checking Voting Logic for Fault Tolerant Computing Applications	190,311	04-May-1988	4,873,685	10-Oct-1989
00CXT0168N/US	Nonlinear Adaptive Filter	787,811	15-Oct-1985	4,843,583	27-Jun-1989
00CXT0169N/US	Frequency Synthesizer	655,662	28-Sep-1984	4,835,721	30-May-1989
00CXT0172N/US	Distributed Arithmetic Realization of Second-Order Normal-Form Digital Filter	909,750	19-Sep-1986	4,811,262	07-Mar-1989
00CXT0182N/US	Adaptive Speech Coder Having Code Excited Linear Predictor with Multiple Codebook Searches	163,089	07-Dec-1993	5,717,824	10-Feb-1998
00CXT0186N/US	Digital Modulator and Upconverter Heving Single-Bit Delta-Sigma Data Converters	542,808	13-Oct-1995	5,627,499	06-May-1997
00CXT0196N/US	Adaptive Speech Coder Having Code Excited Linear Prediction	927,137	07-Aug-1992	5,457,783	10-Oct-1995
00CXT0200N/US	Methods and Apparatus for Reconstructing Non-Quantized Adaptively Transformed Voice Signals	339,809	18-Apr-1989	5,042,069	20-Aug-1991
00CXT0202N/US	Speech Specific Adaptive Transform Coder	199,015	26-May-1988	4,991,213	05-Feb-1991
00CXT0203N/US	Adaptive Transform Coder Having Minimal Bit Allocation Processing	199,360	26-May-1988	4,964,166	16-Oct-1990
00CXT0257N/US	Method and Apparatus for Unified Simulation	09/586,433	02-Jun-2000		
00CXT0274N/US	System and Method FOr Detecting Phase Offset in a Phase-Locked Loop	09/896,871	28-Jun-2001		
00CXT0287N/US	Method and Apparatus for Optical Processing	09/630,883	02-Aug-2000		
00CXT0336N/CN	A Speech Communication System and Method for Handling Lost Frames	01812823.8	09-Jul-2001		
00CXT0336N/CN/2	A Speech Communication System and Method for Handling Lost Frames				
00CXT0336N/EP	A Speech Communication System and Method for Handling Lost Frames				
00CXT0336N/EP/2	A Speech Communication System and Method for Handling Lost Frames				

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00CXT0336N/JP	A Speech Communication System and Method for Handling Lost Frames	512896/2002	09-Jul-2001		
00CXT0336N/JP/2	A Speech Communication System and Method for Handling Lost Frames				
00CXT0336N/KR	A Speech Communication System and Method for Handling Lost Frames	(PCT) 2003-7000511	09-Jul-2001		
00CXT0336N/KR/2	A Speech Communication System and Method for Handling Lost Frames				
00CXT0336N/PCT	A Speech Communication System and Method for Handling Lost Frames	01/01228	09-Jul-2001		
00CXT0336N/US	A Speech Communication System and Method for Handling Lost Frames	09/617,191	14-Jul-2000		
00CXT0339N/US	Network Interface for Providing Inverse Multiplexing to Variable Rate Data Links	09/654,714	05-Sep-2000		
00CXT0346T/US	Method and Apparatus for Accelerating Hardware Simulation	09/586,325	02-Jun-2000		
00CXT0380N/US	Methods, Systems, and Computer Program Products for Compressing a Computer Program Based on a Compression Criterion and Executing the Compressed Program	09/736,682	13-Dec-2000		
00CXT0485N/EP	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	97923640.3	08-May-1997		
00CXT0485N/IL	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	126865	08-May-1997		
00CXT0485N/IN	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	1204/DEL/97	09-May-1997		
00CXT0485N/JP	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	9-540254	08-May-1997		
00CXT0485N/PCT	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	97/08014	08-May-1997		
00CXT0485N/US	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	08/647,374	09-May-1996	6,128,303	03-Oct-2000
00CXT0485N/US/1	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	09/592,341	13-Jun-2000	6,359,891	19-Mar-2002

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00CXT0486N/IL	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	126863	08-May-1997		
00CXT0486N/IN	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	1206/DEL/97	09-May-1997		
00CXT0486N/JP	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	9-540271	08-May-1997		
00CXT0486N/PCT	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	97/08387	08-May-1997		
00CXT0486N/US	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	08/647,372	09-May-1996	5,748,630	05-May-1998
00CXT0487N/IN	Asynchronous Transfer Mode Cell Processing System with Multiple Cell Source Multiplexing	1208/DEL/97	08-May-1997		
00CXT0487N/PCT	Asynchronous Transfer Mode Cell Processing System with Multiple Cell Source Multiplexing	97/08388	08-May-1997		
00CXT0487N/US	Asynchronous Transfer Mode Cell Processing System with Multiple Cell Source Multiplexing	08/647,373	09-May-1996	5,748,631	05-May-1998
00CXT0488N/IN	Asynchronous Transfer Mode Cell Processing System with Cell Buffer Space Gathering		09-May-1997		
00CXT0488N/PCT	Asynchronous Transfer Mode Cell Processing System with Cell Buffer Space Gathering	97/07971	08-May-1997		
00CXT0488N/US	Asynchronous Transfer Mode Cell Processing System with Cell Buffer Space Gathering	08/647,371	09-May-1996	5,860,148	12-Jan-1999
00CXT0489N/IN	Asynchronous Transfer Mode Cell Processing System with Modulo-Based Intruction Branching	1207/DEL/97	09-May-1997		
00CXT0489N/PCT	Asynchronous Transfer Mode Cell Processing System with Modulo-Based Intruction Branching	97/08013	08-May-1997		

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00CXT0489N/US	Asynchronous Transfer Mode Cell Processing System with Modulo-Based Intruction Branching	08/647,375	09-May-1996	5,794,025	11-Aug-1998
00CXT0490N/PCT	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	00/22431	16-Aug-2000		
00CXT0490N/US/1	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	60/149,376	17-Aug-1999		
00CXT0490N/US/2	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/640,260	16-Aug-2000		
00CXT0490N/US/3	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/639,915	17-Aug-2000		
00CXT0490N/US/4	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/639,966	16-Aug-2000		
00CXT0490N/US/5	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/640,258	16-Aug-2000		
00CXT0490N/US/6	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/640,231	17-Aug-2000		
00CXT0491N/US	Synchronous Residual Time Stamp Service Clock Regenerator Phase Locked Loop Phase Comparator and Loop Filter	09/003,298	06-Jan-1998	5,970,107	19-Oct-1999
00CXT0493N/US	Combined Synchronous Residual Time Stamp Generator and Service Clock Regenerator Architecture	09/003,297	06-Jan-1998	6,011,823	04-Jan-2000

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00CXT0494N/US	Programmable Fractional Frequency Digital Frequency Synthesizer for Synchronous Residual Time Stamp Service Clock Regenerator Phase Locked Loop	09/003,293	06-Jan-1998	6,144,714	07-Nov-2000
00CXT0495N/US	Modular Circuitry Architechture for Residual Time Stamp Service Clock Regenerator Phase Locked Loop	09/003,296	06-Jan-1998	6,122,337	18-Sep-2000
00CXT0506N/US	LCP-Echo Spoofing for Extended Modem On Hold	09/611,923	06-Jul-2000		
00CXT0525N/US	Improved Dual Ported Memory Device	10/113,684	29-Mar-2002		
00CXT0540N/US	A Software and Hardware Scheme for Efficient Code Translation from Legacy Processors	09/946,877	05-Sep-2001		
00CXT0553/PCT	The Detection of Stationary Speech Characteristics From the Acoustical Path and the Circuitry Path for Improved Speech Compression	02/11928	16-Apr-2002		
00CXT0553/US	Coding Based on Spectral Content of a Speech Signal	09/896,682	29-Jun-2001		
00CXT0554N/US/0	Speech Coding System with Time-Domain Noise Attenuation	60/232,958	15-Sep-2000		
00CXT0554N/US/1	Speech Coding System with Time-Domain Noise Attenuation	09/782,791	13-Feb-2001		
00CXT0569N/PCT	System for Imporved Use of Pitch Enhancement with Subcodebooks	01/01735	17-Sep-2001		
00CXT0569N/US	System for Imporved Use of Pitch Enhancement with Subcodebooks	60/232,938	15-Sep-2000		
00CXT0569N/US/2	System for Imporved Use of Pitch Enhancement with Subcodebooks	09/940,904	27-Aug-2001		
00CXT0573N/PCT	System of Dynamic Pulse Position Tracks for Pulse-Like Excitation in Speech Coding	01/01731	17-Sep-2001		
00CXT0573N/US	System of Dynamic Pulse Position Tracks for Pulse-Like Excitation in Speech Coding	60/233,045	15-Sep-2000		
00CXT0573N/US/1	System of Dynamic Pulse Position Tracks for Pulse-Like Excitation in Speech Coding	09/761,029	16-Jan-2001		
00CXT0579N/US	Rate Selection Algorithm For Selectable Mode Vocoder (SMV).	10/126,307	19-Apr-2002		
00CXT0584C/US	Frequency Domain Noise Suppressor	09/651,476	30-Aug-2000		

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00CXT0585N/US	Systems and Methods that Authorize Target Devices Utilizing Proprietary Software and/or Hardware	09/676,748	29-Sep-2000		
00CXT0603N/PCT	System to Reduce Distortion Due to Codng With a Sample-By-Sample Quantizer	01/46317	04-Dec-2001		
00CXT0603N/US	System to Reduce Distortion Due to Codng With a Sample-By-Sample Quantizer	09/733,567	08-Dec-2000		
00CXT0629/EP	High Speed Hardware Search Engine Café/Hydra	01944434.8	12-Jun-2001		
00CXT0629/PCT	High Speed Hardware Search Engine Café/Hydra	01/18821	12-Jun-2001		
00CXT0629/US	High Speed Hardware Search Engine Café/Hydra	60/211,863	14-Jun-2000		
00CXT0629/US/1	High Speed Hardware Search Engine Café/Hydra	09/802,194	08-Mar-2001		
00CXT0629/US/2	High Speed Hardware Search Engine Café/Hydra	09/802,217	08-Mar-2001		
00CXT0629/US/3	High Speed Hardware Search Engine Café/Hydra	09/802,159	08-Mar-2001		
00CXT0629/US/4	High Speed Hardware Search Engine Café/Hydra	09/802,218	08-Mar-2001		
00CXT0629/US/5	High Speed Hardware Search Engine Café/Hydra	09/802,216	08-Mar-2001		
00CXT0643N/US	High Speed Trellis Encoding for Discrete Multitone Transceivers	09/688,258	13-Oct-2000		
00CXT0655N/US	Speech Coding System with Input Signal Transformation	09/782,884	13-Feb-2001		
00CXT0665N/AU	System of Encoding and Decoding Speech Signals	74862/00	21-Mar-2002		
00CXT0665N/BR	System of Encoding and Decoding Speech Signals	PI 0014212-3	21-Mar-2002		
00CXT0665N/CN	System of Encoding and Decoding Speech Signals	00815940.8	24-Jul-2002		
00CXT0665N/EP	System of Encoding and Decoding Speech Signals	00963447.8	15-Sep-2000		
00CXT0665N/JP	System of Encoding and Decoding Speech Signals	2001-525686	20-Mar-2002		
00CXT0665N/KR	System of Encoding and Decoding Speech Signals	10-2002-7003768	22-Mar-2002		
00CXT0665N/PCT	System of Encoding and Decoding Speech Signals	00/25182	15-Sep-2000		
00CXT0665N/RU	System of Encoding and Decoding Speech Signals	2002110441	19-Apr-2002		
00CXT0665N/TW	System of Encoding and Decoding Speech Signals	089119606	22-Sep-2000	NI-158201	01-Jul-2002
00CXT0665N/US	System of Encoding and Decoding Speech Signals	09/663,734	15-Sep-2000		
00CXT0665N/US/2	System of Encoding and Decoding Speech Signals		07-Apr-2003		
00CXT0666N/PCT	Short-Term Enhancement in CELP Speech Coding	01/01730	17-Sep-2001		
00CXT0666N/US	Short-Term Enhancement in CELP Speech Coding	60/232,939	15-Sep-2000		
00CXT0666N/US/1	Short-Term Enhancement in CELP Speech Coding	09/771,293	25-Jan-2001		

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00CXT0667N/PCT/2	Signal Processing System for Filtering Spectral Content of a Signal for Speech Encoding	01/01721	17-Sep-2001		
00CXT0667N/US	Signal Processing System for Filtering Spectral Content of a Signal for Speech Encoding	60/233,044	15-Sep-2000		
00CXT0667N/US/1	Signal Processing System for Filtering Spectral Content of a Signal for Speech Encoding	09/781,735	12-Feb-2001		
00CXT0667N/US/2	Signal Processing System for Filtering Spectral Content of a Signal for Speech Encoding	09/783,822	14-Feb-2001		
00CXT0668N/US	Bitstream Protocol For Transmission of Encoded Voice Signals	09/662,828	15-Sep-2000	6,581,032	17-Jun-2003
00CXT0668N/US/2	Bitstream Protocol For Transmission of Encoded Voice Signals	10/420,654	21-Apr-2003		
00CXT0669N/US	Codebook Tables for Encoding and Decoding	09/663,837	15-Sep-2000		
00CXT0669N/US/2	Codebook Tables for Encoding and Decoding		07-Apr-2003		
00CXT0670N/PCT	Adaptive Codebook Handling Pitch Lag	01/01720	17-Sep-2001		
00CXT0670N/US	System for Coding Speech Information Using an Adaptive Codebook with Enhanced Variable Resolution Scheme	09/782,383	12-Feb-2001		
00CXT0670N/US/1	Adaptive Codebook Handling Pitch Lag	60/233,046	15-Sep-2000		
00CXT0717N/US	An Endpoint Detection of Speech for Improved Speech Recognition in Noisy Environments	60/272,956	02-Mar-2001		
00CXT0717N/US/2	An Endpoint Detection of Speech for Improved Speech Recognition in Noisy Environments	09/948,331	05-Sep-2001		
00CXT0725N/PCT/2	Traffic Stream Processor	01/41485	31-Jul-2001		
00CXT0725N/US	Traffic Stream Processor	60/221,821	31-Jul-2000		
00CXT0725N/US/1	Traffic Stream Processor	09/919,283	31-Jul-2001		
00CXT0725N/US/2	Traffic Stream Processor	09/919,216	31-Jul-2001		
00CXT0781N/EP	High Performance Switches and Routers With Parallel Switching Domains Having Sub-Unity Speedup	01121605.8	11-Sep-2001		

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00CXT0781N/EP/2	High Performance Switches and Routers with Parallel Switching Domains Having Sub-Unity Speedup.	01956728.8	14-Aug-2001		
00CXT0781N/PCT/5	High Performance Switches and Routers with Parallel Switching Domains Having Sub-Unity Speedup.	01/01451	14-Aug-2001		
00CXT0781N/US	An Apparatus and Method for a Cache Coherent Shared Memory Multi-Processing System	08/986,430	07-Dec-1997	6,065,077	16-May-2000
00CXT0781N/US/1	Accurate Timing Calibration for Each of Multiple High-Speed Clocked Receivers Using A Single DLL	09/350,414	08-Jul-1999	6,418,537	09-Jul-2002
00CXT0781N/US/2	Fully Connected Cache Coherent Multiprocessing Systems	09/349,641	08-Jul-1999		
00CXT0781N/US/3	Low-Level Circuit Implementation of Signal Flow Graphs	09/349,832	08-Jul-1999	6,469,988	22-Oct-2002
00CXT0781N/US/4	Channel Interface and Protocols for Cache Coherency in a Scalable Symmetric Multiprocessor System	09/281,749	30-Mar-1999	6,516,442	04-Feb-2003
00CXT0781N/US/5	High-Performance Switches and Routers with Parallel Switching Domains Having Sub-Unity Speedup	09/640,462	15-Aug-2000		
00CXT0781N/US/6	An Apparatus and Method for a Cache Coherent Shared Memory Multi-Processing System	09/570,832	12-May-2000	6,457,087	24-Sep-2002
00CXT0784N/US	Half Differential Decoding for High-Speed Channels Using Guaranteed Single-Step Finite-State-Machine Techniques	09/536,828	27-Mar-2000		
00CXT0785N/CN	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	00818093.8	28-Dec-2000		
00CXT0785N/EP	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	00/35475	28-Dec-2000		
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00CXT0785N/KR	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	2002-7008388	28-Dec-2000		
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00CXT0785N/US	Crosbar Integrated Circuit With Parallel Channels For A Communication Device	09/750,629	28-Dec-2000		
00CXT0785N/US/2	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	60/178,132	26-Jan-2000		
00CXT0786N/US	Input-Queued Crossbar-Based Protocol Independent Switching Fabric for Switches and Routers	60/178,076	25-Jan-2000		
00CXT0787N/US	Input-Queud Crossbar-Based Protocol-Independent Switching Fabric for Switches and Routers	60/173,777	30-Dec-1999		
00CXT0792N/US	Compact Modular Multi-Processor Assembly with Efficient Processor Cooling	09/192,181	15-Nov-1998		
00CXT0793N/US	Method and Apparatus for Extracting Received Digital Data from a Full-Duplex Point-to-Point Signalling Channel Using Sample-Data Techniques	09/168,311	07-Oct-1998	6,522,701	18-Feb-2003
00CXT0794N/US	Method and Apparatus for Address Transfers, System Serialization, and Centralized Cache and Transaction Control, in a Symmetric Multiprocessor System	09/163,294	29-Sep-1998	6,292,705	18-Sep-2001
00CXT0794N/US/2	Method and Apparatus for Address Transfers, System Serialization, and Centralized Cache and Transaction Control, in a Symmetric Multiprocessor System	09/927,717	10-Aug-2001	6,466,825	15-Oct-2002
00CXT0814N/US	Adaptive Slicer Adjustment for V.92 Upstream Receivers and Transmit Signal Whitening	10/301,299	20-Nov-2002		
00CXT0832N/US	Static Global Program Hazard Detection in Software	10/188,247	01-Jul-2002		
01CXT0022N/US	Adaptive Decision Slicer				
01CXT0033N/US	Communication System Activation	09/972,717	05-Oct-2001		
01CXT0034N/US	Noise Monitoring During Deactivation	10/158,992	29-May-2002		
01CXT0036N/US	Gain Adaptive Equalizer	10/188,615	02-Jul-2002		
01CXT0037N/PCT	Method and Apparatus for Line Probe Signal Processing	02/01326	15-Jan-2002		
01CXT0037N/US	Method and Apparatus for Line Probe Signal Processing	09/764,167	16-Jan-2001		
01CXT0040N/US	Line Probe Signal and Method of Use	09/765,091	16-Jan-2001		

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01CXT0059/PCT	Modem Relay Proposal	02/08892	22-Mar-2002		
01CXT0059/US	Modem Relay Proposal	60/288,151	01-May-2001		
01CXT0059/US/1	Modem Communication Over Internet Protocol	60/288,775	04-May-2001		
01CXT0059/US/2	Modem Relay Over a Packet Network	10/104,304	22-Mar-2002		
01CXT0066N/US	Improving the Performance of Network Echo Cancellor By Whittening the Spectrum of Inputs	10/003,603	31-Oct-2001		
01CXT0071/US	Data Compression Over Internet Protocol	60/270,391	21-Feb-2001		
01CXT0071/US/2	Data Compression Over Packet Networks	10/004,655	04-Dec-2001		
01CXT0081N/US	Protected Mechanism for DTMF Relay	10/081,509	21-Feb-2002		
01CXT0098/US	Method for Register Set Reduction and Default Configuration Ccording to Context	10/261,013	30-Sep-2002		
01CXT0102/US	Silicon Device Debug Mechanism Utilizing Internal Modules to Access On-Chip Resources and Connected Externally Via Wireless Communication		24-Dec-2002		
01CXT0108N/US	A Method of Low Speed Diagnosis of Massively Parallel, High Speed Data using Bit Map Imaging, or - a Method for Communicating Internal Device Node State Data Out of the Package Via Optical Links		24-Dec-2002		
01CXT0118N/US	Mehtod and Apparatus for Combined Framing and Packet Delineation		27-Nov-2002		
01CXT0127N/US	A Method to Map the User Service Level Agreements (SLAs) to Router Internal (component or Subsystem Level) Priorities and Qualities of Service (QoS) By Providing a Mapping Algorithm or a Lookup Table Using a Plurality of HW Capabilities.		14-Feb-2003		
01CXT0131N/US	A Method of Signalling Between Intermediate Network Elements to Increase the Efficiency of the Combined Routed and Multiplexed Traffic by Allowing a Router to Signal Circuit Setup and Teardown Commands to an Add Drop Multiplexer	10/106,670	23-Mar-2002		

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01CXT0134N/US	Pseudo Synchronous Machine	10/284,494	29-Oct-2002		
01CXT0147N/US	Algorithm in the Involved Network Processors to Enable a Lossless Switchover of Switch Fabrics with Buffers and Queues	60/260,115	05-Jan-2001		
01CXT0147N/US/1	Algorithm in the Involved Network Processors to Enable a Lossless Switchover of Switch Fabrics with Buffers and Queues	10/010,481	30-Nov-2001		
01CXT0148/PCT	A Conversion Scheme for Silence Description Between Continuous Transmission Silence Description System and Discontinuous Transmission Silence Description System	02/39969	13-Dec-2002		
01CXT0148/US	A Conversion Scheme for Silence Description Between Continuous Transmission Silence Description System and Discontinuous Transmission Silence Description System	10/057,250	24-Jan-2002		
01CXT0151N/US	Negative Feedback, Self-Biasing PECL Receivers	09/501,385	09-Feb-2000	6,353,335	05-Mar-2002
01CXT0152N/US	A System for Fast Scrambling and Descrambling of Data	60/208,642	01-Jun-2000		
01CXT0152N/US/1	A System for Fast Scrambling and Descrambling of Data	09/872,398	01-Jun-2001		
01CXT0153N/PCT	Method and Apparatus for Transmission Line Analysis	02/07790	05-Mar-2002		
01CXT0153N/US	A Method and Apparatus for Characterizing Transmission Lines using Time Domain Reflectometry with M-Sequences	09/810,932	16-Mar-2001		
01CXT0153N/US/2	Adaptive Method and Apparatus for Transmission Line Analysis	10/095,847	11-Mar-2002		
01CXT0153N/US/3	Optical Sequence Time Domain Reflectometry	10/095,825	11-Mar-2002		
01CXT0153N/US/4	A Method and Apparatus for Characterizing Transmission Lines using Time Domain Reflectometry with M-Sequences				
01CXT0153N/US/5	Sequence Time-Domain Reflectometry Using Complementary Golay Codes				
01CXT0161M/US	Emulating Traditional Buses Using Point to Point High Speed Interconnect Technology	10/010,132	06-Dec-2001		

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01CXT0170/US	Circuit for Fast Data Scrambling Utilizing the Sonet Standard	60/232,553	14-Sep-2000		
01CXT0170/US/2	Circuit for Fast Data Scrambling Utilizing the Sonet Standard	09/951,806	14-Sep-2001		
01CXT0171/US	Compensation for Ports Variation	60/249,603	17-Nov-2000		
01CXT0171/US/2	Compensation for Ports Variation	09/987,826	16-Nov-2001		
01CXT0172/US	Precise Edge Detection of Bits Stream by Statistical Sampling	60/249,298	17-Nov-2000		
01CXT0172/US/2	Precise Edge Detection of Bits Stream by Statistical Sampling	09/987,567	17-Nov-2001		
01CXT0173/US	Signal Duration Representation by Conformation Clock Pulses in Different Time Domains	60/232,554	14-Sep-2000		
01CXT0173/US/2	Signal Duration Representation by Conformation Clock Pulses in Different Time Domains	09/951,714	14-Sep-2001		
01CXT0174M/US	Method and Apparatus for Switching Data Using Parallel Swithcing Elements	10/106,645	22-Mar-2002		
01CXT0196/US	Distributed Speech Recognition System	60/272,957	02-Mar-2001		
01CXT0196/US/1	Distributed Speech Recognition System	09/824,402	02-Apr-2001		
01CXT0232/US	An Optical System Design with Minimum Deformation and Maximum Fiber Alignment Reliability	10/217,057	12-Aug-2002		
01M0001N/PCT	VoIP Modem Answer Tone Notch Filter	02/07585	12-Mar-2002		
01M0001N/US	VoIP Modem Answer Tone Notch Filter	60/293,911	25-May-2001		
01M0001N/US/2	VoIP Modem Answer Tone Notch Filter	09/965,745	28-Sep-2001		
01M0001N/US/3	VoIP Modem Answer Tone Notch Filter				
01M0005/PCT	High Speed Modem	02/25571	12-Aug-2002		
01M0005/US	High Speed Modem	60/322,936	17-Sep-2001		
01M0005/US/2	High Speed Modem	10/061,171	01-Feb-2002		
01M0006/US	New Method of Echo Cancellation Using Exact Line Driver Output Information	10/253,668	23-Sep-2002		
01M0009/US	M-ary PAM Constellation Size and symbol Rate Optimization for Twisted Pair Lines (DSL)				
01M0010/US	Data and Clock Extractor with Improved Linearity	10/026,190	20-Dec-2001		
01M0012/US	Switch Scheduling Algorithm	10/284,115	29-Oct-2002		
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01M0016/US	Low-Processor-Load Aggregation	10/055,597	22-Jan-2002		
01M0018/US	Alternate Multi-Thread Processor Architecture				
02M0001/US	Assigning Addresses to Packet-network Devices and Botting Multi-Channel Devices	10/055,529	22-Jan-2002		
02M0003/US	High Output Voltage Swing EAM/DML Driver with Minimum Headroom	10/193,834	11-Jul-2002		
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02M0004/US/2	Answer Tone Semantic Preservation for Modem-Over-IP		24-Sep-2002		
02M0005/US	Method and System for Debugging Multiprocessor Systems	10/153,576	21-May-2002		
02M0007/US	Adaptive Equalization with Amplitude Differential Feedback	10/180,742	26-Jun-2002		
02M0008/US	Wrap Path for Communication Ring Access Control	10/093,762	08-Mar-2002		
02M0010/US	Method and System for an Adaptable User Interface in a Debugger	10/147,379	15-May-2002		
02M0011/US	A Retargetable Simulation System with Adaptable Disassembler and Target Support	10/180,480	25-Jun-2002		
02M0013/US	Virtual Channel Mirroring Technology for Carrier Class Voice Over Packet	10/154,278	23-May-2002		
02M0014/US	Flow Control for Communication Ring Access Control	10/093,677	08-Mar-2002		
02M0015/US	Combination DCServo and Input Equalization for Signal Recovery in Data Signal Transmission	10/208,919	31-Jul-2002		
02M0016/US	Trans-compression Selection and Configuration in Modem Over Packet Networks	60/372,535	13-Apr-2002		
02M0016/US/2	Trans-compression Selection and Configuration in Modem Over Packet Networks	10/229,439	27-Aug-2002		
02M0017/US	A Complexity Resource Manager for Multi-Channel Speech Processing	10/271,576	15-Oct-2002		
02M0018/US	Analog Boundary Scan Architecture for High Speed SERDES Interface	60/382,299	20-May-2002		
02M0018/US/2	Analog Boundary Scan Architecture for High Speed SERDES Interface				

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02M0019/US/2	Analog Boundary Scan Cells for High Speed SERDES Interface				
02M0021/US	Flow Control and Error Correction Improvement in MoIP	10/247,222	18-Sep-2002		
02M0025/US	Adaptive Generic Forward Error Correction Algorithm to Optimize Fax Pass Through Transport	10/229,438	27-Aug-2002		
02M0026/US	A Low Frequency Sidechannel for Optical Transmission Systems				
02M0027/US	Input Eye Voltage and Phase Slice Based on Actual Performance				
02M0028/US	Module Signalling with Phase/Jitter Modulation				
02M0029/US	Variable Slice Limit Amp with Out VGA Loop				
02M0030/US	Adaptive Forward Error Correction Optimizing Fax or Modem Relay Transport	10/264,090	02-Oct-2002		
02M0031/US	Destructive Break Handling in MoIP	60/407,171	30-Aug-2002		
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02M0033/US	Method for Assigning Unique Identifiers to Identical Devices Over a Non-broadcast Interface				
02M0036/US	Improvement on CM-JM procedure in MoIP	60/416,218	04-Oct-2002		
03M0001/US	A New Degree of Process Freedom for Bonded SOI Wagers, and Application to the All-Around Gate`` MOSFET				
03M0003/US	Speech Coding Method and System for Wideband Applicatons		15-Mar-2003		
03M0009/US	Statistical Increase of Channel Density Ensuring High Quality of Service in a Multichannel Digital Signal Processor(``Overdrive``)				
03M0015/US	Generalized Analysis-By-Synthesis Speech Coding Method, And Coder Implementing Such Method	10/294,923	14-Nov-2002		
03M0018/US	New Encryption Scheme Optimized for Voice Transfer Over Packet Network				
79E002/US	Controlled Oscillator Having Random Variable Frequency	191,648	22-Sep-1980	4,646,032	24-Feb-1987
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79E096/US	Synchronization System for Digital Data	06/169,583	17-Jul-1980	4,328,588	04-May-1982
79E096/US/1	Synchronization System for Digital Data	013,981	12-Feb-1987	RE 32,945	06-Jun-1989
80E054/US	Tracking ROM Drive & Sense Circuit	397,648	12-Jul-1982	4,482,824	13-Nov-1984
81E004/US	Clocked Tri-State Driver Circuit	388,044	14-Jun-1982	4,504,745	12-Mar-1985
81E006/US	High Voltage Level Detector & Method	392,106	25-Jun-1982	4,496,855	29-Jan-1985
81E007/US	MOS/LSI Time Delay Circuit	394,741	02-Jul-1982	4,503,345	05-Mar-1985
82E021/US	Squaring Circuit Bypass	376,480	10-May-1982	4,464,586	07-Aug-1984
82E063/JP	De-Glitch Circuitry for Video Game Memories	16902/84	30-Jan-1984	1667965	29-May-1992
82E063/US	De-Glitch Circuitry for Video Game Memories	463,093	02-Feb-1983	4,599,525	08-Jul-1986
82E068/US	Controlled Oscillator Having Random Variable Frequency	623,291	30-Apr-1984	4,684,903	04-Nov-1987
83E062/US	Non-Volatile RAM Cell w/Single High Voltage Precharge	801,650	25-Nov-1985	4,686,652	11-Aug-1987
83E065/US	GaAs Driver Circuit	728,546	29-Apr-1985	5,293,085	08-Mar-1994
84E037/US	Nonlinear Statistical Signal Processor	845,227	27-Mar-1986	4,774,682	27-Sep-1988
85E028/US	Monolithic Random Digital Noise Generator (Secrecy Order - 10/10/86) Rescinded 8/4/87	850,202	10-Apr-1986	4,799,259	17-Jan-1989
86E010/US	Multiphase CMOS Toggle Flip-Flop	023,179	09-Mar-1987	4,804,864	14-Feb-1989
86E011/US	Clocked CMOS Bus Precharge Circuit Having Level Sensing	015,476	17-Feb-1987	4,763,023	09-Aug-1988
86E046/US	Digital Signal Direction Detection Circuit	305,344	02-Feb-1989	4,982,115	01-Jan-1991
91E004/DE	Triple Register RISC Digital Signal Processor	93111559.6	19-Jul-1993	0580109	10-Dec-1997
91E004/EP	Triple Register RISC Digital Signal Processor	93111559.6	19-Jul-1993	0580109	10-Dec-1997
91E004/FR	Triple Register RISC Digital Signal Processor	93111559.6	19-Jul-1993	0580109	10-Dec-1997
91E004/GB	Triple Register RISC Digital Signal Processor	93111559.6	19-Jul-1993	0580109	10-Dec-1997
91E004/JP	Triple Register RISC Digital Signal Processor	181319/1993	22-Jul-1993		
91E004/US	Triple Register RISC Digital Signal Processor	08/547,050	23-Oct-1995	5,586,284	17-Dec-1996
91E004/US/1	Triple Register RISC Digital Signal Processor	917,872	23-Jul-1992		
91E011/JP	Signal Processor Contexts with Elemental and Reserved Group Addressing	155835/94	07-Jul-1994	3106060	01-Sep-2000
91E011/US	Signal Processor Contexts with Elemental and Reserved Group Addressing	08/095,550	26-Jul-1993	5,479,626	26-Dec-1995

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91E013/DE	Space Vector Data Path	95106843.6	05-May-1995	69519449.6	22-Nov-2000
91E013/EP	Space Vector Data Path	95106843.6	05-May-1995	0681236	22-Nov-2000
91E013/FR	Space Vector Data Path	95106843.6	05-May-1995	0681236	22-Nov-2000
91E013/GB	Space Vector Data Path	95106843.6	05-May-1995	0681236	22-Nov-2000
91E013/JP	Space Vector Data Path	109642/1995	08-May-1995		
91E013/US	Space Vector Data Path	630,231	10-Apr-1996	5,778,241	07-Jul-1998
91E013/US/1	Space Vector Data Path	238,558	05-May-1994		
92E011/US	Device and Method for Selecting and Addressing Extended Memory Addresses	937,082	31-Aug-1992		
92E011/US/1	Device and Method for Selecting and Addressing Extended Memory Addresses	08/352,296	08-Dec-1994	5,627,986	06-May-1997
92E031/JP	Low Power Crystal Oscillator	081460/1994	20-Apr-1994		
92E031/US	Low Power Crystal Oscillator	051,134	22-Apr-1993	5,486,795	23-Jan-1996
93E013/EP	On-Chip Debug Port	96114461.5	10-Sep-1996	0764903	03-Jul-2002
93E013/EP/DE	On-Chip Debug Port	69622112.8-08	10-Sep-1996	0764903	03-Jul-2002
93E013/EP/FR	On-Chip Debug Port	96114461.5	10-Sep-1996	0764903	03-Jul-2002
93E013/EP/GB	On-Chip Debug Port	96114461.5	10-Sep-1996	0764903	03-Jul-2002
93E013/JP	On-Chip Debug Port	239262/1996	10-Sep-1996		
93E013/US	On-Chip Debug Port	526,472	11-Sep-1995	5,544,311	06-Aug-1996
93E035/DE	Efficient, Well Regulated, DC-DC Power Supply Up Converter for CMOS Integrated Circuits	95104835.4	31-Mar-1995	0676856	20-Sep-2000
93E035/EP	Efficient, Well Regulated, DC-DC Power Supply Up Converter for CMOS Integrated Circuits	95104835.4	31-Mar-1995	0676856	20-Sep-2000
93E035/FR	Efficient, Well Regulated, DC-DC Power Supply Up Converter for CMOS Integrated Circuits	95104835.4	31-Mar-1995	0676856	20-Sep-2000
93E035/GB	Efficient, Well Regulated, DC-DC Power Supply Up Converter for CMOS Integrated Circuits	95104835.4	31-Mar-1995	0676856	20-Sep-2000
93E035/JP	Efficient, Well Regulated, DC-DC Power Supply Up Converter for CMOS Integrated Circuits	083845/1995	10-Apr-1995		
93E035/US	Efficient, Well Regulated, DC-DC Power Supply Up Converter for CMOS Integrated Circuits	08/226,197	11-Apr-1994	5,532,576	02-Jul-1996
93E037/EP	Accurate Reference Generation Technique Valid During System Power-Up Transients	95104837.0	31-Mar-1995	0676857	16-Jan-2002
93E037/EP/DE	Accurate Reference Generation Technique Valid During System Power-Up Transients	95104837.0	31-Mar-1995	0676857	16-Jan-2002

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93E037/EP/FR	Accurate Reference Generation Technique Valid During System Power-Up Transients	95104837.0	31-Mar-1995	0676857	16-Jan-2002
93E037/EP/GB	Accurate Reference Generation Technique Valid During System Power-Up Transients	95104837.0	31-Mar-1995	0676857	16-Jan-2002
93E037/JP	Accurate Reference Generation Technique Valid During System Power-Up Transients	83844/1995	10-Apr-1995		
93E037/US	Accurate Reference Generation Technique Valid During System Power-Up Transients	226,126	11-Apr-1994	5,530,398	25-Jun-1996
93E038/DE	Supply-Discriminating Supply-Adaptive Electronic System	95104833.9	31-Mar-1995	0676855	27-Jul-2000
93E038/EP	Supply-Discriminating Supply-Adaptive Electronic System	95104833.9	31-Mar-1995	0676855	27-Jul-2000
93E038/FR	Supply-Discriminating Supply-Adaptive Electronic System	95104833.9	31-Mar-1995	0676855	27-Jul-2000
93E038/GB	Supply-Discriminating Supply-Adaptive Electronic System	95104833.9	31-Mar-1995	0676855	27-Jul-2000
93E038/JP	Circuit for Detecting the level of Supply Voltage and Method of Supply Discriminating	83846/1995	10-Apr-1995		
93E038/US	Supply-Discriminating Supply-Adaptive Electronic System	226,198	11-Apr-1994	5,514,951	07-May-1996
93E041/DE	Variable Speed Playback System	95120294.4	21-Dec-1995	0726560	26-Feb-2001
93E041/EP	Variable Speed Playback System	95120294.4	21-Dec-1995	0726560	26-Feb-2001
93E041/FR	Variable Speed Playback System	95120294.4	21-Dec-1995	0726560	26-Feb-2001
93E041/GB	Variable Speed Playback System	95120294.4	21-Dec-1995	0726560	26-Feb-2001
93E041/JP	Variable Speed Playback System	320765/1995	08-Dec-1995		
93E041/US	Variable Speed Playback System	371,258	11-Jan-1995	5,694,521	12-Feb-1997
93E070/US	Unified Trellis Encoder	327,079	21-Oct-1994	5,768,309	16-Jun-1998
94E044/EP	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	95118142.9	17-Nov-1995	0713208	02-Feb-2002
94E044/EP/1	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	96108155.1	22-May-1996		
94E044/EP/DE	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	695 25 508.8-08	17-Nov-1995	0713208	20-Feb-2002

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94E044/EP/FR	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	95118142.9	17-Nov-1995	0713208	20-Feb-2002
94E044/EP/GB	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	95118142.9	17-Nov-1995	0713208	20-Feb-2002
94E044/JP	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	295266/1995	14-Nov-1995		
94E044/JP/1	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	110964/1996	01-May-1996		
94E044/US	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	08/454,477	30-May-1995	5,781,880	14-Jul-1998
94E044/US/1	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	08/342,494	21-Nov-1994		
94E050/EP	Five Volt Tolerant Protection Circuit	96120212.4	16-Dec-1996		
94E050/JP	Five Volt Tolerant Protection Circuit	341083/1996	20-Dec-1996		
94E050/US	Five Volt Tolerant Protection Circuit	590,382	25-Jan-1996	5,736,887	07-Apr-1998
94E056/EP	Spike Code-Excited Linear Prediction	96115299.8	24-Sep-1996		
94E056/JP	Spike Code-Excited Linear Prediction	254230/1996	26-Sep-1996		
94E056/US	Spike Code-Excited Linear Prediction	08/536,329	29-Sep-1995	5,664,054	02-Sep-1997
94E061/EP	Clock Signal Frequency Multiplier	97934355.5	31-Jul-1997		
94E061/JP	Clock Signal Frequency Multiplier	10-508065	13-Mar-1998		
94E061/PCT	Clock Signal Frequency Multiplier	97/13506	31-Jul-1997		
94E061/US	Clock Signal Frequency Multiplier	691,765	02-Aug-1996	5,821,785	13-Oct-1998
94E066/EP	Low Bit-Rate Speech Coder Using Adaptive Open-Loop Subframe Pitch Lag Estimation and Vector Quantization	97116815.8	26-Sep-1997		
94E066/JP	Low Bit-Rate Speech Coder Using Adaptive Open-Loop Subframe Pitch Lag Estimation and Vector Quantization	262289/1997	26-Sep-1997		

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94E066/US	Low Bit-Rate Speech Coder Using Adaptive Open-Loop Subframe Pitch Lag Estimation and Vector Quantization	08/721,410	26-Sep-1996	6,014,622	11-Jan-2000
94E066/US/1	Low Bit-Rate Speech Coder Using Adaptive Open-Loop Subframe Pitch Lag Estimation and Vector Quantization	09/433,002	02-Nov-1999	6,345,248	05-Feb-2002
94E071/EP	Timing Recovery Scheme for Packet Speech in Multiplexing Environment of Voice with Data Applications	96107782.3	15-May-1996		
94E071/JP	Timing Recovery Scheme for Packet Speech in Multiplexing Environment of Voice with Data Applications	123467/1996	17-May-1996		
94E071/US	Timing Recovery Scheme for Packet Speech in Multiplexing Environment of Voice with Data Applications	443,651	18-May-1995	5,699,481	16-Dec-1997
94E077/US	Delayed Decision Switched Prediction Multi-Stage LSF Vector Quantization	536,890	29-Sep-1995	5,774,839	30-Jun-1998
94E079/US	Method of Providing Redundancy in Electrically Alterable Memories	08/900,262	25-Jul-1997	5,835,430	10-Nov-1998
95E019/US	Speech Coding Employing Hybrid Linear Prediction Coding	09/548,204	13-Apr-2000		
95E020/PCT	Comb Codebook Structure	99/19279	24-Aug-1999		
95E020/TW	Comb Codebook Structure	88114339	21-Aug-1999		
95E020/US	Comb Codebook Structure	09/156,649	18-Sep-1998	6,330,531	11-Dec-2001
95E020/US/2	Fixed Codebook Structure Including Sub-Codebooks	09/981,383	17-Oct-2001		
95E023/US	Target Signal Reference Shifting Employed in Code-Excited Linear Prediction Speech Coding	09/548,205	13-Apr-2000		
95E033/US	Reduced Complexity Treillis Decoder Based on a Relative Ordering Scheme	09/163,574	30-Sep-1998		
95E042/EP	Offset Cancellation for Differential Amplifiers	96115661.9	30-Sep-1996	0768751	16-Jan-2002
95E042/EP/DE	Offset Cancellation for Differential Amplifiers	96115661.9	30-Sep-1996	69618523.7-08	16-Jan-2002
95E042/EP/FR	Offset Cancellation for Differential Amplifiers	96115661.9	30-Sep-1996	0768751	16-Jan-2002
95E042/EP/GB	Offsat Cancellation for Differential Amplifiers	96115661.9	30-Sep-1996	0768751	16-Jan-2002
95E042/JP	Offset Cancellation for Differential Amplifiers	256242/1996	27-Sep-1996		
95E042/US	Offset Cancellation for Differential Amplifiers	08/536,331	29-Sep-1995	5,631,603	20-May-1997
95E043/EP	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	96115135.4	20-Sep-1996	0766381	03-Apr-2002

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95E043/EP/DE	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	696 20 330.8-08	20-Sep-1996	0766381	03-Apr-2002
95E043/EP/FR	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	96115135.4	20-Sep-1996	0766381	03-Apr-2002
95E043/EP/GB	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	96115135.4	20-Sep-1996	0766381	03-Apr-2002
95E043/JP	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	256335/1996	27-Sep-1996		
95E043/US	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	536,405	29-Sep-1995	5,614,864	25-Mar-1997
95E048/EP	Data Compression System and Method	98904862.4	05-Feb-1998	0962059	13-Nov-2002
95E048/EP/DE	Data Compression System and Method	98904862.4-2206	05-Feb-1998	0962059	13-Nov-2002
95E048/EP/FR	Data Compression System and Method	98904862.4-2206	05-Feb-1998	0962059	13-Nov-2002
95E048/EP/GB	Data Compression System and Method	98904862.4-2206	08-Feb-1998	0962059	13-Nov-2002
95E048/JP	Data Compression System and Method	10-535793	05-Feb-1998		
95E048/PCT	Data Compression System and Method	98/02026	05-Feb-1998		
95E048/US	Data Compression System and Method	801,890	18-Feb-1997	5,781,128	14-Jul-1998
95E069/PCT	Signal Process with Fast Field Reconfigurable Datapath, Data Address Unit, and Program Sequencer	00/26308	25-Sep-2000		
95E069/US	Signal Process with Fast Field Reconfigurable Datapath, Data Address Unit, and Program Sequencer	09/408,825	29-Sep-1999		
95E107/EP	Internal Testability Sytem for Microprocessor-Based Integrated Circuit	98903520.9	16-Jan-1998		
95E107/JP	Internal Testability Sytem for Microprocessor-Based Integrated Circuit	534544/1988	16-Jan-1998		
95E107/PCT	Internal Testability Sytem for Microprocessor-Based Integrated Circuit	98/00819	16-Jan-1998		
95E107/US	Internal Testability Sytem for Microprocessor-Based Integrated Circuit	08/785,068	17-Jan-1997	5,790,561	04-Aug-1998
95E110/EP	Usage of Voice Activity Detection for Efficient Coding of Speech	97100812.3	20-Jan-1997	0785541	16-Apr-2003

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95E110/EP/DE	Usage of Voice Activity Detection for Efficient Coding of Speech				
95E110/EP/FR	Usage of Voice Activity Detection for Efficient Coding of Speech	97100812.3	20-Jan-1997		
95E110/EP/GB	Usage of Voice Activity Detection for Efficient Coding of Speech				
95E110/JP	Usage of Voice Activity Detection for Efficient Coding of Speech	8589/1997	21-Jan-1997		
95E110/US	Usage of Voice Activity Detection for Efficient Coding of Speech	589,132	22-Jan-1996	5,689,615	18-Nov-1997
95E113/EP	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal	97100813.1	20-Jan-1997		
95E113/EP/DE	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal				
95E113/EP/FR	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal				
95E113/EP/GB	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal				
95E113/JP	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal	008588/1997	21-Jan-1997	3363336	25-Oct-2002
95E113/US	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal	589,509	22-Jan-1996	5,774,849	30-Jun-1998
95E144/US	A Multi-Dimensional Combined Equalizer and Decoder	08/884,271	26-Jun-1997	6,009,120	28-Dec-1999
95E144/US/1	A Multi-Dimensional Combined Equalizer and Decoder	09/410,480	30-Sep-1999		
95E144/US/2	A Multi-Dimensional Combined Equalizer and Decoder	09/557,449	25-Apr-2000		
96E014/EP	Signal Compression Using Index Mapping Technique for the Sharing of Quantization Tables	97114619.6	22-Aug-1997		
96E014/JP	Signal Compression Using Index Mapping Technique for the Sharing of Quantization Tables	225082/1997	21-Aug-1997	3223141	17-Aug-2001
96E014/US	Signal Compression Using Index Mapping Technique for the Sharing of Quantization Tables	08/702,780	23-Aug-1996	5,920,853	06-Jul-1999

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96E059/PCT	Method and Apparatus for Detecting and Determining Characteristics of a Fully Digital Connection in a Data Communications System	99/17005	27-Jul-1999		
96E059/US	Method and Apparatus for Detecting and Determining Characteristics of a Fully Digital Connection in a Data Communications System	09/361,872	27-Jul-1999		
96E059/US/1	Method and Apparatus for Detecting and Determining Characteristics of a Fully Digital Connection in a Data Communications System	60/097,802	25-Aug-1998		
96E059/US/2	Method and Apparatus for Detecting and Determining Characteristics of a Fully Digital Connection in a Data Communications System	60/094,449	28-Jul-1998		
96E103/US	Method and Apparatus for Spectral Shaping in Signal-Point Limited Transmission Systems	08/746,731	15-Nov-1996	6,192,087	20-Feb-2001
96E103/US/1	Method and Apparatus for Spectral Shaping in Signal-Point Limited Transmission Systems	08/756,383	27-Nov-1996	6,278,744	21-Aug-2001
96E103/US/2	Method and Apparatus for Spectral Shaping in Signal-Point Limited Transmission Systems	09/047,802	25-Mar-1998	5,970,100	19-Oct-1999
96E113/US	A Method and System for Achieving Faster Asymmetric Data Transmission Through the Public Telephone Network	08/892,446	14-Jul-1997	6,002,684	14-Dec-1999
97RSS001/US	A Method and System for Achieving Improved Data Transmission Through the Public Switched Telephone Network	08/931,033	16-Sep-1997	6,285,672	04-Sep-2001
97RSS003/EP	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	97121321.0	04-Dec-1997		
97RSS003/EP/1	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	98957827.3	12-Nov-1998		
97RSS003/JP	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	334237/1997	04-Dec-1997		

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97RSS003/PCT/1	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	98/24050	12-Nov-1998		
97RSS003/US	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	08/760,646	04-Dec-1996	6,081,555	27-Jun-2000
97RSS003/US/1	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	08/972,960	19-Nov-1997	6,259,742	10-Jul-2001
97RSS003/US/2	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	09/394,957	10-Sep-1999	6,226,334	01-May-2001
97RSS035/PCT	System and Method for Providing an Enhanced Audio Quality Telecommunication Session	99/10806	17-May-1999		
97RSS035/US	System and Method for Providing an Enhanced Audio Quality Telecommunication Session	09/082,929	21-May-1998	6,353,666	05-Mar-2002
97RSS039/CA/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	2,341,712	24-Aug-1999		
97RSS039/EP	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	99946655.0	24-Aug-1999		
97RSS039/EP/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	99943828.6	24-Aug-1999		
97RSS039/JP/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	2000-566830	24-Aug-1999		

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97RSS039/PCT	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	99/19137	24-Aug-1999		
97RSS039/PCT/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	99/19569	24-Aug-1999		
97RSS039/TW	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	88114349	24-Aug-1999	141879	25-Jan-2002
97RSS039/TW/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	88114344	24-Aug-1999	141569	21-Jan-2002
97RSS039/US	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	09/156,832	18-Sep-1998		
97RSS039/US/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	09/198,414	24-Nov-1998	6,240,386	29-May-2001
97RSS087/PCT	Method for Dynamic Allocation and Efficient Sharing of Function Unit Datapaths	99/22551	30-Sep-1999		
97RSS087/TW	Method for Dynamic Allocation and Efficient Sharing of Function Unit Datapaths	88116867	06-Nov-1999		
97RSS087/US	Method for Dynamic Allocation and Efficient Sharing of Function Unit Datapaths	09/163,741	30-Sep-1998	6,442,672	27-Aug-2002
97RSS089/US	Speaker Dependent Speech Recognition Training Using Simplified Hidden Markov Modeling and Robust End-Point Detection	09/410,215	30-Sep-1999	6,405,168	11-Jun-2002

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97RSS090/EP	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99920339.1	04-May-1999	1076895	29-Jan-2003
97RSS090/EP/DE	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99920339.1-2218	04-May-1999	69905152.5	29-Jan-2003
97RSS090/EP/FR	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99920339.1-2218	04-May-1999	1076895	29-Jan-2003
97RSS090/EP/GB	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99920339.1-2218	04-May-1999	1076895	29-Jan-2003
97RSS090/JP	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	547612/2000	04-May-1999		
97RSS090/PCT	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99/09764	04-May-1999		
97RSS090/US	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	09/075,365	05-May-1998	6,122,611	19-Sep-2000
97RSS131/US	Method for Implementing an Inband Capabilities Negotiation	09/086,617	27-May-1998		
97RSS181/PCT	Method and Apparatus for Reducing Start-up Latency in a Data Transmission System	99/14977	01-Jul-1999		
97RSS181/TW	Method and Apparatus for Reducing Start-up Latency in a Data Transmission System	88111560	08-Jul-1999	135440	25-Oct-2001
97RSS181/US	Method and Apparatus for Reducing Start-up Latency in a Data Transmission System	09/112,433	09-Jul-1998	6,272,170	07-Aug-2001
97RSS182/US	Auto-Reference Pseudo-Flash Analog to Digital Converter	928,409	12-Sep-1997	5,936,566	10-Aug-1999
97RSS183/EP	Scheduler Utilizing Dynamic Schedule Table	97250328.8	05-Nov-1997		
97RSS183/JP	Scheduler Utilizing Dynamic Schedule Table	9-332224	02-Dec-1997	2983011	24-Sep-1999
97RSS183/US	Scheduler Utilizing Dynamic Schedule Table	08/759,057	02-Dec-1996	5,889,779	30-Mar-1999
97RSS183/US/1	Scheduler Utilizing Dynamic Schedule Table	09/109,801	02-Jul-1998	6,005,866	21-Dec-1999
97RSS183/US/2	Scheduler Utilizing Dynamic Schedule Table	09/087,238	29-May-1998	6,414,963	02-Jul-2002

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97RSS186/EP	Apparatus and Method for Providing Fire Wall Protection for Systems in Communication With an Asynchronous Transfer Mode System	97250329.6	05-Nov-1997		
97RSS186/JP	Apparatus and Method for Providing Fire Wall Protection for Systems in Communication With an Asynchronous Transfer Mode System	9-334373	04-Dec-1997	3184138	27-Apr-2001
97RSS186/US	Apparatus and Method for Providing Fire Wall Protection for Systems in Communication With an Asynchronous Transfer Mode System	08/767,109	04-Dec-1996	6,185,223	06-Feb-2001
97RSS187/CA	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	2,142,388	13-Feb-1995	2,142,388	02-May-2000
97RSS187/EP	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	95101788.8	09-Feb-1995		
97RSS187/JP	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	63299/95	14-Feb-1995		
97RSS187/US	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	195,628	14-Feb-1994	5,627,885	06-May-1997
97RSS187/US/1	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	717,248	20-Sep-1996	5,778,055	07-Jul-1998
97RSS190/US	Controller for ATM Segmentation and Reassembly	633,955	15-Apr-1996	5,768,275	16-Jun-1998
97RSS219/CA	Adaptive Error Control for ADPCM Speech Coders	2,175,659	02-Nov-1994		
97RSS219/EP	Adaptive Error Control for ADPCM Speech Coders	95902431.6	02-Nov-1994	0746845	02-Oct-2002
97RSS219/EP/DE	Adaptive Error Control for ADPCM Speech Coders	95902431.6	02-Nov-1994	69431489.7	02-Oct-2002
97RSS219/EP/FR	Adaptive Error Control for ADPCM Speech Coders	95902431.6	02-Nov-1994	0746845	02-Oct-2002
97RSS219/EP/GB	Adaptive Error Control for ADPCM Speech Coders	95902431.6	02-Nov-1994	0746845	02-Oct-2002
97RSS219/JP	Adaptive Error Control for ADPCM Speech Coders	513414/1995	02-Nov-1994		
97RSS219/PCT	Adaptive Error Control for ADPCM Speech Coders	US94/12649	02-Nov-1994		
97RSS219/SG	Adaptive Error Control for ADPCM Speech Coders	9609228-3	02-Nov-1994		
97RSS219/US	Adaptive Error Control for ADPCM Speech Coders	08/146,612	02-Nov-1993	5,535,299	09-Jul-1996

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97RSS226/CA	Controller for ATM Segmentation and Reassembly	2,156,771	23-Aug-1995	2,156,771	13-Nov-2001
97RSS226/EP	Controller for ATM Segmentation and Reassembly	95113719.9	31-Aug-1995	0703718	12-Feb-2003
97RSS226/EP/DE	Controller for ATM Segmentation and Reassembly	95113719.9	31-Aug-1995	0703718	12-Feb-2003
97RSS226/EP/FR	Controller for ATM Segmentation and Reassembly	95113719.9	31-Aug-1995	0703718	12-Feb-2003
97RSS226/EP/GB	Controller for ATM Segmentation and Reassembly	95113719.9	31-Aug-1995	0703718	12-Feb-2003
97RSS226/JP	Controller for ATM Segmentation and Reassembly	222049/95	30-Aug-1995		
97RSS226/US	Controller for ATM Segmentation and Reassembly	08/467,311	06-Jun-1995	5,949,781	07-Sep-1999
97RSS232/US	Apparatus For Providing An Output Voltage with Substantially Identical Rising and Falling Characteristics	028,999	10-Mar-1993	5,486,778	23-Jan-1996
97RSS232/US/1	Apparatus For Providing An Output Voltage with Substantially Identical Rising and Falling Characteristics	434,973	04-May-1995	5,602,495	11-Feb-1997
97RSS232/US/2	Apparatus For Providing An Output Voltage with Substantially Identical Rising and Falling Characteristics	730,097	15-Oct-1996	5,789,972	04-Aug-1998
97RSS238/US	Voltage Controlled Oscillator	654,054	28-May-1996	5,731,744	24-Mar-1998
97RSS241/CA	Balanced Cascode Current Mirror	2.056,098	25-Nov-1991	2,056,098	30-Sep-1997
97RSS241/CH	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/DE	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	P69128911.5	11-Feb-1998
97RSS241/EP	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/FR	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/GB	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/IT	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/JP	Balanced Cascode Current Mirror	3-312302	27-Nov-1991	3200122	15-Jun-2001
97RSS241/SE	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/US	Balanced Cascode Current Mirror	619,399	29-Nov-1991	5,099,205	24-Mar-1992
97RSS251/EP	System for, and Method of, ATM Segmentation and Reassembly of Cells Providing Streaming Data	97120862.4	27-Nov-1997		

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97RSS251/JP	System for, and Method of, ATM Segmentation and Reassembly of Cells Providing Streaming Data	324298/1997	26-Nov-1997		
97RSS251/US	System for, and Method of, ATM Segmentation and Reassembly of Cells Providing Streaming Data	08/757,288	27-Nov-1996		
97RSS252/EP	Asynchronous Transfer Mode System for, and Method of, Writing a Cell Payload Between a Control Queue on One Side of a System Bus and a Status Queue on the Other Side of the System Bus	97121773.2	10-Dec-1997		
97RSS252/US	Asynchronous Transfer Mode System for, and Method of, Writing a Cell Payload Between a Control Queue on One Side of a System Bus and a Status Queue on the Other Side of the System Bus	08/764,692	11-Dec-1996	6,075,790	13-Jun-2000
97RSS252/US/1	Asynchronous Transfer Mode System for, and Method of, Writing a Cell Payload Between a Control Queue on One Side of a System Bus and a Status Queue on the Other Side of the System Bus	09/433,850	04-Nov-1999		
97RSS253/JP	Asynchronous Transfer Mode System and Method	331712/1997	02-Dec-1997		
97RSS253/US	Asynchronous Transfer Mode System and Method	08/756,950	02-Dec-1996	5,991,265	23-Nov-1999
97RSS253/US/1	Asynchronous Transfer Mode System and Method	09/416,240	12-Oct-1999	6,301,226	09-Oct-2001
97RSS259/US	System For, and Method of, Adjusting the Phases of Clock Signals to Correspond to the Phases of Digital Signals Representing Input Words	09/038,213	11-Mar-1998		
97RSS266/CA	Reference Generator	588,870	23-Jan-1989	1,283,214	16-Apr-1991
97RSS266/CH	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/DE	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/EP	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/FR	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/GB	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/IT	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/JP	Reference Generator	1-50192	03-Mar-1989	3020242	14-Jan-2000
97RSS266/SE	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/US	Reference Generator	163,646	03-Mar-1988	4,814,688	21-Mar-1989
97RSS267/CA	Apparatus for Converting Between Digital and Analog Values	510,543	02-Jun-1986	1,258,711	22-Aug-1989

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97RSS267/CH	Apparatus for Converting Between Digital and Analog Values	8610969.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/DE	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/EP	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/FR	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/GB	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/IT	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/JP	Apparatus for Converting Between Digital and Analog Values	61-164848	15-Jul-1986	2620224	11-Mar-1997
97RSS267/SE	Apparatus for Converting Between Digital and Analog Values	8610696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/US	Apparatus for Converting Between Digital and Analog Values	755,170	15-Jul-1985	4,665,380	12-May-1987
97RSS274/CA	Apparatus for Converting igital Values to Analog Values	546,223	04-Sep-1987	1,274,316	18-Sep-1990
97RSS274/EP	Apparatus for Converting igital Values to Analog Values	87114525.6	05-Oct-1987		
97RSS274/JP	Apparatus for Converting igital Values to Analog Values	62-250823	06-Oct-1987		
97RSS274/US	Apparatus for Converting igital Values to Analog Values	915,784	06-Oct-1986	4,899,151	06-Feb-1990
97RSS283/CA	Self-Timing Analog-to-Digital Converting System	597,549	24-Apr-1989	1,317,028	27-Apr-1993
97RSS283/DE	Self-Timing Analog-to-Digital Converting System	89115645.7	24-Aug-1989	0355835	12-Jun-1996
97RSS283/EP	Self-Timing Analog-to-Digital Converting System	89115645.7	24-Aug-1989		12-Jun-1996
97RSS283/GB	Self-Timing Analog-to-Digital Converting System	89115645.7	24-Aug-1989	0355835	12-Jun-1996
97RSS283/JP	Self-Timing Analog-to-Digital Converting System	1-217604	25-Aug-1989	2983555	24-Sep-1999
97RSS283/US	Self-Timing Analog-to-Digital Converting System	236,505	25-Aug-1988	4,926,176	15-May-1990
97RSS292/CA	Echo Canceller	2,142,387	13-Feb-1995	2,142,387	02-May-2000
97RSS292/EP	Echo Canceller	95101789.6-2412	09-Feb-1995		
97RSS292/JP	Echo Canceller	63300/95	14-Feb-1995		
97RSS292/US	Echo Canceller	195,267	14-Feb-1994	5,500,892	19-Mar-1996
97RSS317/US	Data Delivery Technique for Fiber to the Curb	09/162,653	29-Sep-1998		

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97RSS328/US	Hardware Out of Band Flow Control of Non-Isochronous Framed Channelized Data	09/249,456	12-Feb-1999		
97RSS333/PCT	A Dynamic Dual-Length 16-Bit and 32-Bit RISC-Style Instruction Set Architecture	99/23039	04-Oct-1999		
97RSS333/US	A Dynamic Dual-Length 16-Bit and 32-Bit RISC-Style Instruction Set Architecture	09/172,315	14-Oct-1998	6,366,998	02-Apr-2002
97RSS352/EP	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98943473.3	31-Aug-1998	1,013,039	07-Nov-2001
97RSS352/EP/DE	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98943473.3	31-Aug-1998	1,013,039	07-Nov-2001
97RSS352/EP/FR	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98943473.3	31-Aug-1998	1,013,039	07-Nov-2001
97RSS352/EP/GB	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98943473.3	31-Aug-1998	1,013,039	07-Nov-2001
97RSS352/JP	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	2000-509159	31-Aug-1998		
97RSS352/PCT	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98/17964	31-Aug-1998		
97RSS352/US	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	08/922,851	03-Sep-1997	6,212,247	03-Apr-2001
97RSS352/US/1	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	08/969,971	13-Nov-1997	6,332,009	18-Dec-2001
97RSS352/US/2	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	09/956,207	19-Sep-2001	6,504,886	07-Jan-2003
97RSS366/US	Method for Reducing CPU Burden in Monitoring Data Traffic for Escape Sequences	09/264,777	09-Mar-1999	6,542,537	01-Apr-2003
97RSS377/EP	Upstream PCM Transmission for a Modem System	00964944.3	05-Sep-2000		
97RSS377/PCT	Upstream PCM Transmission for a Modem System	00/24374	05-Sep-2000		
97RSS377/TW	Upstream PCM Transmission for a Modem System	89118287	07-Sep-2000		
97RSS377/US	Upstream PCM Transmission for a Modem System	09/395,726	10-Sep-1999	6,414,989	02-Jul-2002
97RSS380/CN	Bi-Directional Pitch Enhancement In Speech Coding Systems	00809972.3	31-Dec-2001		

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97RSS380/EP	Bi-Directional Pitch Enhancement In Speech Coding Systems	00943365.7	04-Dec-2001		
97RSS380/JP	Bi-Directional Pitch Enhancement In Speech Coding Systems	2001-508443	30-Jun-2000		
97RSS380/KR	Bi-Directional Pitch Enhancement In Speech Coding Systems	10-2001-7016919	29-Dec-2001		
97RSS380/PCT	Bi-Directional Pitch Enhancement In Speech Coding Systems	00/18232	30-Jun-2000		
97RSS380/TW	Bi-Directional Pitch Enhancement In Speech Coding Systems	89113106	01-Jul-2000	149501	20-May-2002
97RSS380/US	Bi-Directional Pitch Enhancement In Speech Coding Systems	09/365,444	02-Aug-1999		
97RSS380/US/1	Bi-Directional Pitch Enhancement In Speech Coding Systems	60/142,092	02-Jul-1999		
97RSS383/PCT	Speech Encoder Using Continuous Warping In Long Term Preprocessing	99/19175	24-Aug-1999		
97RSS383/TW	Speech Encoder Using Continuous Warping In Long Term Preprocessing	88114345	24-Aug-1999	136689	08-Nov-2001
97RSS383/US	Speech Encoder Using Continuous Warping In Long Term Preprocessing	09/154,675	18-Sep-1998	6,449,590	10-Sep-2002
97RSS416/EP	Apparatus and Method for Scheduling Multiple and Simultaneous Traffic in a Communication System	99909973.2	12-Mar-1999		
97RSS416/PCT	Apparatus and Method for Scheduling Multiple and Simultaneous Traffic in a Communication System	99/05513	12-Mar-1999		
97RSS416/US	Apparatus and Method for Scheduling Multiple and Simultaneous Traffic in a Communication System	09/044,384	18-Mar-1998	6,483,839	19-Nov-2002
97RSS417/PCT	Method and Apparatus for Implementing Short-Word Division Techniques in a Multiple Modulus Conversion Context	99/01520	26-Jan-1999		
97RSS417/US	Method and Apparatus for Implementing Short-Word Division Techniques in a Multiple Modulus Conversion Context	09/050,263	30-Mar-1998	6,065,030	16-May-2000
97RSS419/EP	Apparatus and Method for Providing Different Quality of Service Connections in a Tunnel Mode	99912475.3	12-Mar-1999		
97RSS419/EP/2	Apparatus and Method for Providing Different Quality of Service Connections in a Tunnel Mode	99924516.0	26-May-1999		

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97RSS419/PCT	Apparatus and Method for Providing Different Quality of Service Connections in a Tunnel Mode	99/05459	12-Mar-1999		
97RSS419/PCT/2	Apparatus and Method for Providing Different Quality of Service Connections in a Tunnel Mode	99/11623	26-May-1999		
97RSS419/US	Apparatus and Method for Providing Different Quality of Service Connections in a Tunnel Mode	09/044,381	18-Mar-1998	6,262,989	17-Jul-2001
97RSS421/EP	Multiplier-Accumulator Configuration for Efficient Scheduling in a Digital Signal Processor	99945241.0	24-Aug-1999		
97RSS421/PCT	Multiplier-Accumulator Configuration for Efficient Scheduling in a Digital Signal Processor	99/19594	24-Aug-1999		
97RSS421/US	Multiplier-Accumulator Configuration for Efficient Scheduling in a Digital Signal Processor	09/172,527	14-Oct-1998	6,230,180	08-May-2001
97RSS432/US	Method for Handling Many ADSL Subscribers from a Single DSP in the Central Office	09/274,845	23-Mar-1999		
97RSS440/PCT	Method and Apparatus for Coding of Signals Containing Speech and Background Noise	99/12427	03-Jun-1999		
97RSS440/US	Method and Apparatus for Coding of Signals Containing Speech and Background Noise	09/092,663	05-Jun-1998	6,141,639	31-Oct-2000
97RSS446/US	Dual-Drive Coupling for Output Amplifier Stage	09/566,745	09-May-2000	6,369,653	09-Apr-2002
97RSS447/PCT	Echo Cancelling Method and Apparatus for Digital Data Communication System	US99/22708	29-Sep-1999		
97RSS447/US	Echo Cancelling Method and Apparatus for Digital Data Communication System	09/164,504	30-Sep-1998		
97RSS469/US	Methods and Apparatus for Distributing Mismatched Error Associated With Data Converter Elements	09/160,735	25-Sep-1998	6,218,977	14-Apr-2001
97RSS471/PCT	Method and Apparatus for Training an Echo Canceller in a PCM Modem Context	99/12629	08-Jun-1999		
97RSS471/US	Method and Apparatus for Training an Echo Canceller in a PCM Modem Context	09/095,689	10-Jun-1998	6,317,419	13-Nov-2001
97RSS559/US	Method and apparatus for efficient signaling in an atm environment	09/201,172	30-Nov-1998		

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98RSS001/EP	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98959615.0	25-Nov-1998	1048024	25-Sep-2002
98RSS001/EP/DE	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98959615.0-2218	25-Nov-1998	69808339.3-08	25-Sep-2002
98RSS001/EP/FR	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98959615.0	25-Nov-1998	1048024	25-Sep-2002
98RSS001/EP/GB	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98959615.0	25-Nov-1998	1048024	25-Sep-2002
98RSS001/JP	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	540536/2000	25-Nov-1998		
98RSS001/PCT	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98/25254	25-Nov-1998		
98RSS001/US	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	09/006,422	13-Jan-1998	6,104,994	15-Aug-2000
98RSS001/US/1	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	09/420,876	19-Oct-1999	6,205,423	20-Mar-2001
98RSS007/EP	Efficient Forwarding Paths and Operand Sharing in a Digital Signal Processor	99951762.6	04-Oct-1999		
98RSS007/PCT	Efficient Forwarding Paths and Operand Sharing in a Digital Signal Processor	99/23062	04-Oct-1999		
98RSS007/US	Efficient Forwarding Paths and Operand Sharing in a Digital Signal Processor	09/173,257	14-Oct-1998	6,301,653	09-Oct-2001
98RSS011/PCT	System for Detecting Voice Activity and Background Noise/Silence in a Speech Signal Using Pitch and Signal to Noise Ratio Information	99/19806	27-Aug-1999		
98RSS011/TW	System for Detecting Voice Activity and Background Noise/Silence in a Speech Signal Using Pitch and Signal to Noise Ratio Information	88115784	14-Sep-1999	137523	21-Nov-2001
98RSS011/US	System for Detecting Voice Activity and Background Noise/Silence in a Speech Signal Using Pitch and Signal to Noise Ratio Information	09/156,416	18-Sep-1998	6,188,981	13-Feb-2001

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98RSS011/US/1	System for Detecting Voice Activity and Background Noise/Silence in a Speech Signal Using Pitch and Signal to Noise Ratio Information	09/218,334	22-Dec-1998	6,275,794	14-Aug-2001
98RSS045/US	Speech Manipulation for Continuous Speech Playback Over a Packet Network	09/407,466	28-Sep-1999	6,377,931	23-Apr-2002
98RSS071/CA	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	2,330,876	29-Mar-1999		
98RSS071/EP	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99912928.1	29-Mar-1999	1076987	23-Oct-2002
98RSS071/EP/2	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	02005402.9	29-Mar-1999		
98RSS071/EP/DE	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99912928.1	29-Mar-1999	1076987	23-Oct-2002
98RSS071/EP/FR	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99912928.1	29-Mar-1999	1076987	23-Oct-2002
98RSS071/EP/GB	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99912928.1	29-Mar-1999	1076987	23-Oct-2002
98RSS071/JP	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	2000-549022	29-Mar-1999		
98RSS071/PCT	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99/06749	29-Mar-1999		
98RSS071/US	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	09/075,719	11-May-1998	6,163,570	19-Dec-2000
98RSS071/US/1	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	09/740,567	18-Dec-2000	6,359,932	19-Mar-2002
98RSS071/US/2	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	10/026,096	21-Dec-2001	6,570,932	27-May-2003
98RSS086/PCT	SAR - Multiple Modem Traffic Redirection	00/05514	02-Mar-2000		
98RSS086/US	SAR - Multiple Modem Traffic Redirection	09/261,276	03-Mar-1999		
98RSS135/PCT	Linecard Modem, the Next Modem Revolution	02/25704	12-Aug-2002		

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98RSS135/US	Linecard Modem, the Next Modem Revolution	09/990,059	20-Nov-2001		
98RSS154/US	Method and Apparatus for Efficiently Transmitting Multiple Data Signals	09/358,198	21-Jul-1999		
98RSS166/PCT	Method and Apparatus for Transmitting Control Signals in a Data Communication System Having a Fully Digital Communication Channel	99/14465	25-Jun-1999		
98RSS166/US	Method and Apparatus for Transmitting Control Signals in a Data Communication System Having a Fully Digital Communication Channel	09/123,599	28-Jul-1998	6,421,375	16-Jul-2002
98RSS167/US	High Phase Margin Low Power Flip-Flop	09/583,441	31-May-2000	6,452,433	17-Sep-2002
98RSS171/PCT	Speech Coder Output Transformation Method for Reducing Audible Noise	99/17329	29-Jul-1999		
98RSS171/TW	Speech Coder Output Transformation Method for Reducing Audible Noise	88113089	31-Jul-1999		
98RSS171/US	Speech Coder Output Transformation Method for Reducing Audible Noise	09/127,881	31-Jul-1998		
98RSS171/US/1	Speech Coder Output Transformation Method for Reducing Audible Noise	09/657,260	07-Sep-2000		
98RSS176/PCT	High Isolation, Low Power High Speed Multiplexer Circuit	00/15857	09-Jun-2000		
98RSS176/US	High Isolation, Low Power High Speed Multiplexer Circuit	09/330,875	11-Jun-1999		
98RSS199/PCT	Low Complexity Speaker Verification Using SimplifiedHidden Markov Models with Universal Cohort Models and Automatic Score Thresholding	00/25954	21-Sep-2000		
98RSS199/US	Low Complexity Speaker Verification Using SimplifiedHidden Markov Models with Universal Cohort Models and Automatic Score Thresholding	09/408,453	30-Sep-1999	6,556,969	29-Apr-2003
98RSS228/EP	Low Complexity Random Codebook Structure	99943827.8	24-Aug-1999		
98RSS228/HK	Low Complexity Random Codebook Structure	01104674.4	07-Jul-2001		
98RSS228/PCT	Low Complexity Random Codebook Structure	99/19135	24-Aug-1999		
98RSS228/TW	Low Complexity Random Codebook Structure	88114341	21-Aug-1999	135276	23-Oct-2001
98RSS228/US	Low Complexity Random Codebook Structure	09/156,648	18-Sep-1998	6,480,822	12-Nov-2002

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98RSS228/US/2	Low Complexity Random Codebook Structure	10/105,120	22-Mar-2002		
98RSS264/US	Integrated Switching SAR	09/262,882	08-Mar-1999		
98RSS295/PCT	Robust Fast Search for Two-Dimensional Gain Vector Quantizer	99/19635	27-Aug-1999		
98RSS295/TW	Robust Fast Search for Two-Dimensional Gain Vector Quantizer	88115785	14-Sep-1999	137524	21-Nov-2001
98RSS295/US	Robust Fast Search for Two-Dimensional Gain Vector Quantizer	09/157,083	18-Sep-1998		
98RSS325/US	Adaptive Rate Speech Codec	60/097,569	24-Aug-1998		
98RSS328/PCT	Speech Encoder Using a Classifier for Smoothing Noise Coding	99/19275	24-Aug-1999		
98RSS328/TW	Speech Encoder Using a Classifier for Smoothing Noise Coding	88114348	24-Aug-1999		
98RSS328/US	Speech Encoder Using a Classifier for Smoothing Noise Coding	09/154,657	18-Sep-1998		
98RSS329/US	System and Method for Distributing Enhanced Telephony Service to Customer Premises Equipment	09/337,459	21-Jun-1999	6,546,098	08-Apr-2003
98RSS329/US/2	System and Method for Distributing Enhanced Telephony Service to Customer Premises Equipment	10/328,830	24-Dec-2002		
98RSS341/US	High Speed Modems that Connects Over ADPCM Channels at Data Rates Up to 40Kbps	60/100,330	15-Sep-1998		
98RSS341/US/2	High Speed Modems that Connects Over ADPCM Channels at Data Rates Up to 40Kbps	60/100,839	18-Sep-1998		
98RSS343/PCT	Speech Encoder Using Gain Normalization that Combines Open and Closed Loop Gains	99/19136	24-Aug-1999		
98RSS343/TW	Speech Encoder Using Gain Normalization that Combines Open and Closed Loop Gains	88114351	24-Aug-1999	141270	17-Jan-2002
98RSS343/US	Speech Encoder Using Gain Normalization that Combines Open and Closed Loop Gains	09/156,650	18-Sep-1998	6,260,010	10-Jul-2001
98RSS344/PCT	Pitch Determination Using Speech Classification and Prior Pitch Estimation	99/19134	24-Aug-1999		
98RSS344/TW	Pitch Determination Using Speech Classification and Prior Pitch Estimation	88114338	24-Aug-1999	136559	07-Nov-2001

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98RSS344/US	Pitch Determination Using Speech Classification and Prior Pitch Estimation	09/154,654	18-Sep-1998	6,507,814	14-Jan-2003
98RSS345/PCT	Adaptive Gain Reduction to Produce Fixed Codebook Target Signal	99/19590	24-Aug-1999		
98RSS345/US	Adaptive Gain Reduction to Produce Fixed Codebook Target Signal	09/154,663	18-Sep-1998	6,104,992	15-Aug-2000
98RSS364/US	Speech Coding Having Continuous Long Term Preprocessing without any Delay	09/410,218	30-Sep-1999	6,523,002	18-Feb-2003
98RSS365/CN	Completed Fixed Codebook for Speech Coder	01815639.8	17-Sep-2001		
98RSS365/EP	Completed Fixed Codebook for Speech Coder	99945238.6	24-Aug-1999		
98RSS365/EP/2	Completed Fixed Codebook for Speech Coder		17-Sep-2001		
98RSS365/HK	Completed Fixed Codebook for Speech Coder	01108698.7	11-Dec-2001		
98RSS365/KR	Completed Fixed Codebook for Speech Coder	2003-7003769	17-Sep-2001		
98RSS365/PCT	Completed Fixed Codebook for Speech Coder	01/01729	17-Sep-2001		
98RSS365/TW	Completed Fixed Codebook for Speech Coder	88114346	24-Aug-1999	141570	21-Jan-2002
98RSS365/US	Completed Fixed Codebook for Speech Coder	09/156,814	18-Sep-1998	6,173,257	09-Jan-2001
98RSS365/US/1	Completed Fixed Codebook for Speech Coder	09/663,242	15-Sep-2000	6,556,966	29-Apr-2003
98RSS365/US/2	Low-Complexity Fast Fixed Codebook Search	09/785,360	15-Feb-2001		
98RSS365/US/PCT	Completed Fixed Codebook for Speech Coder	02/01846	22-Jan-2002		
98RSS365/WO	Completed Fixed Codebook for Speech Coder	99/19591	24-Aug-1999		
98RSS366/PCT	System for Adaptive Excitation Pattern for Speech Coding	01/01733	17-Sep-2001		
98RSS366/US	System for Adaptive Excitation Pattern for Speech Coding	60/233,042	15-Sep-2000		
98RSS366/US/1	System for Adaptive Excitation Pattern for Speech Coding	09/761,033	16-Jan-2001		
98RSS381/US	Method for Transport of High Speed ATM Over Copper Interconnect	09/271,821	18-Mar-1999		
98RSS382/EP	Adaptive Tilt Compensation for Synthesized Speech Residual	99948061.9	24-Aug-1999		
98RSS382/PCT	Adaptive Tilt Compensation for Synthesized Speech Residual	99/19568	24-Aug-1999		
98RSS382/TW	Adaptive Tilt Compensation for Synthesized Speech Residual	88114347	24-Aug-1999	139489	20-Dec-2001

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98RSS383/PCT	Speech Classification and Parameter Weighting Used in Codebook Search	99/19133	24-Aug-1999		
98RSS383/TW	Speech Classification and Parameter Weighting Used in Codebook Search	88114352	24-Aug-1999		
98RSS383/US	Speech Classification and Parameter Weighting Used in Codebook Search	09/154,662	18-Sep-1998	6,493,665	10-Dec-2002
98RSS384/CN	System for Speech Encoding having an Adaptive Encoding Arrangement	01815640.1	17-Sep-2003		
98RSS384/EP	System for Speech Encoding having an Adaptive Encoding Arrangement	99945240.2	24-Aug-1999		
98RSS384/EP/2	System for Speech Encoding having an Adaptive Encoding Arrangement	01967600.6-2218	17-Sep-2001		
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98RSS384/TW	System for Speech Encoding having an Adaptive Encoding Arrangement	88114337	24-Aug-1999	139488	20-Dec-2001
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98RSS394/JP	Method and Apparatus for Quick Startup In A Half-Duplex Modem System	2000-295244	27-Sep-2000		

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98RSS394/US	Method and Apparatus for Quick Startup In A Half-Duplex Modem System	09/405,581	27-Sep-1999	6,560,321	06-May-2003
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98RSS412/US	Automatic Speech Recognition to Control Integrated Communications Devices	09/396,280	15-Sep-1999		
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99RSS006/US	Method and Apparatus for Transmitting Data between a Central Site and Multiple Data Subscribers	09/371,424	10-Aug-1999		
99RSS018/US	System For Use of Packet Statistics in De-Jitter Delay Adaption in A Packet Network	09/452,088	30-Nov-1999		
99RSS023/CN	Method and Apparatus for Early Detection of DTMF Signals in Voice Transmittions Over an IP Network	00817208.0	10-Jun-2002		
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99RSS039/US/1	SILENCE DESCRIPTION CODING FOR MULTI-RATE SPEECH CODES	09/841,764	24-Apr-2001		
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99RSS041/US	System and Method of Scheduling Data Cells Based Upon Sustainable Cell Rate and Peak Cell Rate Over a Variable Bandwidth Channel	09/406,965	28-Sep-1999	6,285,657	04-Sep-2001
99RSS050/US	technique for allowing speech coding to be used in thte public telephone network	09/405,583	27-Sep-1999	6,493,355	10-Dec-2002
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99RSS088/US	Methods and Apparatus for Implementing an Interpolation Finite Impulse Response (FIR) Filter for Use in Timing Recovery	09/588,142	02-Jun-2000		
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99RSS219/CN	Method for Robust Classification in Speech Coding	01814418.7	17-Aug-2001		
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99RSS242/PCT	Framing and Alignment for Speech Mixing in a Conference Bridge or Multi-standard Transcoder	03/06335	26-Feb-2003		

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99RSS244/US	System and Method for Performing Power Management without Losing Data, Connectivity or Reachability	09/579,343	25-May-2000	6,577,856	10-Jun-2003
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99RSS274/EP	Voice Activity Detection Speech Coding to Accommodate Music Signals	00945359.8	13-Jul-2000		
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99RSS281/US	Automated Translation of a Microprocessor Opcode Summary Table to an Architecture Description Language	09/516,318	01-Mar-2000		
99RSS282/US	System and Method for Synchronized Control of System Simulators with Multiple Processor Cores	09/571,924	16-May-2000		
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99RSS457/US	Low Power Instruction Cache	09/598,063	20-Jun-2000	6,549,986	15-Apr-2003

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67	5,781,128
68	5,781,880
69	5,790,561
70	5,794,025
71	5,821,785
72	5,835,430
73	5,860,148
74	5,889,779
75	5,920,853
76	5,936,566
77	5,970,100
78	5,970,107
79	6,002,684
80	6,005,866
81	6,009,120
82	6,011,823
83	6,014,622
84	6,065,030
85	6,065,077
86	6,081,555
87	6,104,992
88	6,104,994
89	6,122,337
90	6,122,611
91	6,128,303
92	6,141,639
93	6,144,714
94	6,163,570
95	6,173,257
96	6,185,223
97	6,188,980
98	6,188,981
99	6,192,087
100	6,205,423
101	6,212,247
102	6,218,977
103	6,226,334
104	6,230,180

105	6,240,386
106	6,256,606
107	6,259,742
108	6,260,010
109	6,262,989
110	6,272,170
111	6,275,794
112	6,278,744
113	6,285,657
114	6,285,672
115	6,292,705
116	6,301,226
117	6,301,653
118	6,316,966
119	6,317,419
120	6,330,531
121	6,330,533
122	6,331,792
123	6,332,009
124	6,345,248
125	6,353,335
126	6,353,666
127	6,359,891
128	6,359,932
129	6,366,998
130	6,369,653
131	6,377,931
132	6,385,573
133	6,388,523
134	6,405,168
135	6,411,158
136	6,414,963
137	6,414,989
138	6,415,376
139	6,418,537
140	6,421,375
141	6,442,672
142	6,449,590
143	6,452,433
144	6,457,087
145	6,463,414
146	6,466,825
147	6,466,904
148	6,469,988
149	6,480,585
150	6,480,822
151	6,483,839
152	6,493,355
153	6,493,665
154	6,504,886
155	6,507,814
156	6,510,409

157	6,516,442
158	6,522,701
159	6,523,002
160	6,529,867
161	6,535,551
162	6,535,850
163	6,535,959
164	6,542,537
165	6,546,046
166	6,546,098
167	6,549,986
168	6,556,966
169	6,556,969
170	6,560,321
171	6,564,182
172	6,570,915
173	6,570,932
174	6,577,856
175	6,581,032
176	RE 32,945

ASSIGNMENT OF INVENTIONS, PATENTS, PATENT APPLICATIONS, TRADEMARKS AND COPYRIGHTS

WHEREAS, CONEXANT SYSTEMS, INC. ("Assignor"), a Delaware corporation with an office at 4311 Jamboree Road, Newport Beach, California 92660-3095, owns or has rights to certain inventions, patents, patent applications, trademarks and copyrights identified in the attached Schedule entitled "IP SCHEDULE 101.1(d)";

WHEREAS, MINDSPEED TECHNOLOGIES, INC. ("Assignee"), a Delaware corporation with an office at 4000 MacArthur Blvd., Newport Beach, California 92660-3095, wishes to acquire full rights and ownership of said inventions, patents, patent applications, trademarks and copyrights.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor grants, conveys, assigns and transfers to the Assignee and the Assignee's successors and assigns, Assignee's entire right, title and interest in and to said inventions, patents, patent applications and associated invention disclosures of the same, trademarks, together with the good will of the business symbolized by the mark, and copyrights listed on the attached Schedule identified as "IP SCHEDULE 101.1(d)", including all corresponding applications such as continuations, continuations-in-part, divisionals, provisionals, reissues, reexaminations thereof and the subject matter of any and all claims which may be obtained in every such patent, as well as all corresponding foreign patents, foreign patent applications, foreign trademarks registrations, foreign trademark applications in whatever jurisdictions in which the same exist along with all rights of priority and the right to file applications for patents, trademarks and copyrights based thereon and to prosecute such applications and receive patents, trademark registrations and copyright registrations thereon in its own name, all of the same to be held and enjoyed by the said Assignee, its successors, assigns or other legal representatives, for its own use and advantage, and for the use and advantage of its successors, assigns or other legal representatives, to the end of the term or terms for which patents, trademark registrations and copyright registrations are or may be granted, re-issued or re-examined, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment not been made, including all rights to profits and damage by reason of past infringement by any party or parties, with the right to sue and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns or other legal representatives, along with any and all of Assignor's rights under the assigned copyrights to publish, reproduce, display, transmit, adapt, sell, prepare derivative works, distribute, perform or otherwise make use of such assigned work or portions thereof throughout the world in any form or medium, and in any language, and to license the assigned copyrights to others, for the entire term of copyright, including any renewals and extension. Where permitted by law, Assignor waives any applicable moral rights.

UPON SAID CONSIDERATION, Assignor appoints Assignee and Assignee's successors and assigns as its attorney-in-fact to act in Assignor's name and place to execute, deliver and record any document or instrument of assignment or conveyance necessary to perfect, grant, and confirm the rights granted herein, and Assignor conveys to the Assignee the right to make application, prosecute, receive and enforce in its own behalf and name the inventions, patents, patent applications and trademarks of "IP SCHEDULE 101.1(d)" in the United States and all foreign countries and to claim priority therefrom under the Patent Cooperation Treaty, the International Convention and/or any other international arrangement.

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be duly executed by one of its officers on the date shown below.

CONEXANT SYSTEMS, INC.

By _____

Dennis E. O'Reilly
Name

Senior Vice President, General Counsel and Secretary
Title

MINDSPEED TECHNOLOGIES, INC.

By _____

Bradley W. Yates
Name

Senior Vice President and Chief Administrative Officer
Title

Date: June 27, 2003

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00CXT0003N/US	Alignment of Parallel Data Channels Using Header Detection Signaling	09/487,139	19-Jan-2000		
00CXT0006N/US	Packet Length Indication For a Facsimile System	09/696,562	25-Oct-2000		
00CXT0010N/AU	Rate Determination Coding	36829/01	08-Feb-2001		
00CXT0010N/BR	Rate Determination Coding	PI 0108167-5	07-Aug-2002		
00CXT0010N/CN	Rate Determination Coding	01804689.4	08-Aug-2002		
00CXT0010N/EP	Rate Determination Coding	01909033.1-2218	08-Feb-2001		
00CXT0010N/HK	Variable Bit Rate Speech Coder Based on Existent Standards	03100292.2	13-Jan-2003		
00CXT0010N/JP	Rate Determination Coding	559002/2001	05-Aug-2002		
00CXT0010N/KR	Rate Determination Coding	10-2002-7010088	05-Aug-2002		
00CXT0010N/PCT	Rate Determination Coding	01/04230	08-Feb-2001		
00CXT0010N/RU	Rate Determination Coding	2002123881	06-Sep-2002		
00CXT0010N/US	Rate Determination Coding	09/499,999	08-Feb-2000		
00CXT0021N/US	A Time-Domain Equalizer (TEQ) with Controlled Flateness, for DMT Based Modems, Using the Inverse Power Method	60/280,204	30-Mar-2001		
00CXT0024N/EP	A High Performance VLIW Processor	01999878.0	03-Dec-2001		
00CXT0024N/PCT	A High Performance VLIW Processor	01/46608	03-Dec-2001		
00CXT0024N/US	A High Performance VLIW Processor	09/730,039	05-Dec-2000		
00CXT0048N/US	Double Talk Detector for Echo Cancellation in a Speech Communication System	09/663,246	15-Sep-2000		
00CXT0051N/US	Apparatus and Methods for Initializing Integrated Circuit Addresses	09/876,301	06-Jun-2001		
00CXT0053N/US	Intelligent Discontinuous Transmission and Comfort Noise Generation Scheme for Pulse Code Modulation Speech Coders	09/484,731	18-Jan-2000	6,510,409	21-Jan-2003
00CXT0059N/EP	DSL Auto Baud	00990460.8	30-Oct-2000		
00CXT0059N/PCT	DSL Auto Baud	00/41700	30-Oct-2000		
00CXT0059N/US	Pre-Synchronization Auto Baud	10/310,338	05-Dec-2002		
00CXT0059N/US/1	Method and Apparatus for Pre-Synchronization Auto Baud	60/166,028	17-Nov-1999		
00CXT0059N/US/2	Pre-Synchronization Auto Baud	60/197,047	14-Apr-2000		
00CXT0059N/US/3	Pre-Synchronization Auto Baud	09/629,565	31-Jul-2000	6,546,046	08-Apr-2003
00CXT0059N/US/4	DSL Post Synchronization Auto Baud	09/629,564	31-Jul-2000	6,535,551	18-Mar-2003
00CXT0059N/US/5	DSL Auto Baud	09/629,563	31-Jul-2000	6,570,915	27-May-2003
00CXT0063/PCT	Controlling a Weighting Filter Based on the Spectral Content of a Speech Signal	02/26817	23-Aug-2002		

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00CXT0063/US	Controlling a Weighting Filter Based on the Spectral Content of a Speech Signal	09/953,470	13-Sep-2001		
00CXT0065N/CN	Injecting High Frequency Noise Into Pulse Excitation for Low Bit Rate CELP		10-Dec-2001		
00CXT0065N/EP	Injecting High Frequency Noise Into Pulse Excitation for Low Bit Rate CELP		10-Dec-2001		
00CXT0065N/KR	Injecting High Frequency Noice Into Pulse Excitation for Low Bit CELP		10-Dec-2001		
00CXT0065N/PCT	System of Encoding and Decoding Speech Signals	01/46778	10-Dec-2001		
00CXT0065N/US	Injecting High Frequency Noise Into Pulse Excitation for Low-Bit Rate CELP	60/233,043	15-Sep-2000		
00CXT0065N/US/2	Injecting High Frequency Noise Into Pulse Excitation for Low-Bit Rate CELP	09/755,441	05-Jan-2001	6,529,867	04-Mar-2003
00CXT0076N/US	Intelligent Network Interface Port for Visiting Computers	09/737,142	14-Dec-2000		
00CXT0079N/US	Digital to Analog Converter with Binary Coded Inputs to Produce a Plurality of Outputs in the Form of Thermometer Code	08/317,489	04-Oct-1994	5,640,162	17-Jun-1997
00CXT0085N/US	Digital Peak Detector and Method of Peak Detection	770,947	30-Aug-1985	4,654,587	31-Mar-1987
00CXT0087N/US	Complex Multiplier for Binary Two's Complement Numbers	653,179	24-Sep-1984	4,680,727	14-Jul-1987
00CXT0090N/US	Isolated Controller Circuit	06/934,516	24-Nov-1986	4,709,315	24-Nov-1987
00CXT0091N/US	Very-High-Speed Frequency-Domain FFT Windowing Device	439,901	21-Nov-1989	5,033,019	16-Jul-1991
00CXT0099N/US	One-Bit Sigma-Delta Modulator with Improved Signal Stability	832,515	07-Feb-1992	5,179,380	12-Jan-1993
00CXT0103N/US	Radix-12 DFT/FFT Building Block	779,778	21-Oct-1991	5,233,551	03-Aug-1993
00CXT0104N/US	Apparatus for Extracting One from Many Multiplexed Signals	646,912	28-Jan-1991	5,247,515	21-Sep-1993
00CXT0107N/US	Product Code Memory Itakura-Saito (MIS) Measure for Sound Recognition	869,275	15-Apr-1992	5,274,739	28-Dec-1993
00CXT0114N/US	Combined Decimation/Interpolation Filter for ADC and DAC	010,093	28-Jan-1993	5,339,263	16-Aug-1994
00CXT0125N/US	Digital Phase Shifting Apparatus which Compensates for Change of Frequency of an Input Signal to be Phase Shifted	399,678	19-Jul-1982	4,495,473	22-Jan-1985
00CXT0127N/US	Adaptive Spectrum Shaping Filter	349,871	18-Feb-1982	4,524,424	18-Jun-1985
00CXT0139N/US	Fault Tolerant Gate Array Using Duplication Only	902,639	23-Jun-1992	5,369,654	29-Nov-1994

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00CXT0148N/US	Arrayable Modular FFT Processor	07/549,041	06-Jul-1990	5,093,801	03-Mar-1992
00CXT0154N/US	High-Speed Modified Successive Approximation Analog to Digital Converter	347,703	05-May-1989	5,017,920	21-May-1991
00CXT0155N/US	Clockless A/D Converter	435,905	13-Nov-1989	5,014,057	07-May-1991
00CXT0156N/US	Charge Domain Successive Approximation Analog to Digital Converter	498,788	26-Mar-1990	5,010,340	23-Apr-1991
00CXT0160N/US	Programmable Windowing FFT Device with Reduced Memory Requirements	418,812	03-Oct-1989	4,970,674	13-Nov-1990
00CXT0166N/US	Self-Checking Voting Logic for Fault Tolerant Computing Applications	190,311	04-May-1988	4,873,685	10-Oct-1989
00CXT0168N/US	Nonlinear Adaptive Filter	787,811	15-Oct-1985	4,843,583	27-Jun-1989
00CXT0169N/US	Frequency Synthesizer	655,662	28-Sep-1984	4,835,721	30-May-1989
00CXT0172N/US	Distributed Arithmetic Realization of Second-Order Normal-Form Digital Filter	909,750	19-Sep-1986	4,811,262	07-Mar-1989
00CXT0182N/US	Adaptive Speech Coder Having Code Excited Linear Predictor with Multiple Codebook Searches	163,089	07-Dec-1993	5,717,824	10-Feb-1998
00CXT0186N/US	Digital Modulator and Upconverter Heving Single-Bit Delta-Sigma Data Converters	542,808	13-Oct-1995	5,627,499	06-May-1997
00CXT0196N/US	Adaptive Speech Coder Having Code Excited Linear Prediction	927,137	07-Aug-1992	5,457,783	10-Oct-1995
00CXT0200N/US	Methods and Apparatus for Reconstructing Non-Quantized Adaptively Transformed Voice Signals	339,809	18-Apr-1989	5,042,069	20-Aug-1991
00CXT0202N/US	Speech Specific Adaptive Transform Coder	199,015	26-May-1988	4,991,213	05-Feb-1991
00CXT0203N/US	Adaptive Transform Coder Having Minimal Bit Allocation Processing	199,360	26-May-1988	4,964,166	16-Oct-1990
00CXT0257N/US	Method and Apparatus for Unified Simulation	09/586,433	02-Jun-2000		
00CXT0274N/US	System and Method FOr Detecting Phase Offset in a Phase-Locked Loop	09/896,871	28-Jun-2001		
00CXT0287N/US	Method and Apparatus for Optical Processing	09/630,883	02-Aug-2000		
00CXT0336N/CN	A Speech Communication System and Method for Handling Lost Frames	01812823.8	09-Jul-2001		
00CXT0336N/CN/2	A Speech Communication System and Method for Handling Lost Frames				
00CXT0336N/EP	A Speech Communication System and Method for Handling Lost Frames				
00CXT0336N/EP/2	A Speech Communication System and Method for Handling Lost Frames				

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00CXT0336N/JP	A Speech Communication System and Method for Handling Lost Frames	512896/2002	09-Jul-2001		
00CXT0336N/JP/2	A Speech Communication System and Method for Handling Lost Frames				
00CXT0336N/KR	A Speech Communication System and Method for Handling Lost Frames	(PCT) 2003-7000511	09-Jul-2001		
00CXT0336N/KR/2	A Speech Communication System and Method for Handling Lost Frames				
00CXT0336N/PCT	A Speech Communication System and Method for Handling Lost Frames	01/01228	09-Jul-2001		
00CXT0336N/US	A Speech Communication System and Method for Handling Lost Frames	09/617,191	14-Jul-2000		
00CXT0339N/US	Network Interface for Providing Inverse Multiplexing to Variable Rate Data Links	09/654,714	05-Sep-2000		
00CXT0346T/US	Method and Apparatus for Accelerating Hardware Simulation	09/586,325	02-Jun-2000		
00CXT0380N/US	Methods, Systems, and Computer Program Products for Compressing a Computer Program Based on a Compression Criterion and Executing the Compressed Program	09/736,682	13-Dec-2000		
00CXT0485N/EP	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	97923640.3	08-May-1997		
00CXT0485N/IL	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	126865	08-May-1997		
00CXT0485N/IN	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	1204/DEL/97	09-May-1997		
00CXT0485N/JP	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	9-540254	08-May-1997		
00CXT0485N/PCT	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	97/08014	08-May-1997		
00CXT0485N/US	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	08/647,374	09-May-1996	6,128,303	03-Oct-2000
00CXT0485N/US/1	Asynchronous Transfer Mode Cell Processing System with Scoreboard Scheduling	09/592,341	13-Jun-2000	6,359,891	19-Mar-2002

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00CXT0486N/IL	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	126863	08-May-1997		
00CXT0486N/IN	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	1206/DEL/97	09-May-1997		
00CXT0486N/JP	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	9-540271	08-May-1997		
00CXT0486N/PCT	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	97/08387	08-May-1997		
00CXT0486N/US	Asynchronous Transfer Mode Cell Processing System with Load Multiple Instruction and Memory Write-Back	08/647,372	09-May-1996	5,748,630	05-May-1998
00CXT0487N/IN	Asynchronous Transfer Mode Cell Processing System with Multiple Cell Source Multiplexing	1208/DEL/97	08-May-1997		
00CXT0487N/PCT	Asynchronous Transfer Mode Cell Processing System with Multiple Cell Source Multiplexing	97/08388	08-May-1997		
00CXT0487N/US	Asynchronous Transfer Mode Cell Processing System with Multiple Cell Source Multiplexing	08/647,373	09-May-1996	5,748,631	05-May-1998
00CXT0488N/IN	Asynchronous Transfer Mode Cell Processing System with Cell Buffer Space Gathering		09-May-1997		
00CXT0488N/PCT	Asynchronous Transfer Mode Cell Processing System with Cell Buffer Space Gathering	97/07971	08-May-1997		
00CXT0488N/US	Asynchronous Transfer Mode Cell Processing System with Cell Buffer Space Gathering	08/647,371	09-May-1996	5,860,148	12-Jan-1999
00CXT0489N/IN	Asynchronous Transfer Mode Cell Processing System with Modulo-Based Intruction Branching	1207/DEL/97	09-May-1997		
00CXT0489N/PCT	Asynchronous Transfer Mode Cell Processing System with Modulo-Based Intruction Branching	97/08013	08-May-1997		

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00CXT0489N/US	Asynchronous Transfer Mode Cell Processing System with Modulo-Based Intruction Branching	08/647,375	09-May-1996	5,794,025	11-Aug-1998
00CXT0490N/PCT	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	00/22431	16-Aug-2000		
00CXT0490N/US/1	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	60/149,376	17-Aug-1999		
00CXT0490N/US/2	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/640,260	16-Aug-2000		
00CXT0490N/US/3	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/639,915	17-Aug-2000		
00CXT0490N/US/4	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/639,966	16-Aug-2000		
00CXT0490N/US/5	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/640,258	16-Aug-2000		
00CXT0490N/US/6	High Speed Communications Processing Device for Internet Protocol, Asynchronous Transfer Mode, Frame Relay, and Sonet Communications	09/640,231	17-Aug-2000		
00CXT0491N/US	Synchronous Residual Time Stamp Service Clock Regenerator Phase Locked Loop Phase Comparator and Loop Filter	09/003,298	06-Jan-1998	5,970,107	19-Oct-1999
00CXT0493N/US	Combined Synchronous Residual Time Stamp Generator and Service Clock Regenerator Architecture	09/003,297	06-Jan-1998	6,011,823	04-Jan-2000

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00CXT0494N/US	Programmable Fractional Frequency Digital Frequency Synthesizer for Synchronous Residual Time Stamp Service Clock Regenerator Phase Locked Loop	09/003,293	06-Jan-1998	6,144,714	07-Nov-2000
00CXT0495N/US	Modular Circuitry Architechture for Residual Time Stamp Service Clock Regenerator Phase Locked Loop	09/003,296	06-Jan-1998	6,122,337	18-Sep-2000
00CXT0506N/US	LCP-Echo Spoofing for Extended Modem On Hold	09/611,923	06-Jul-2000		
00CXT0525N/US	Improved Dual Ported Memory Device	10/113,684	29-Mar-2002		
00CXT0540N/US	A Software and Hardware Scheme for Efficient Code Translation from Legacy Processors	09/946,877	05-Sep-2001		
00CXT0553/PCT	The Detection of Stationary Speech Characteristics From the Acoustical Path and the Circuitry Path for Improved Speech Compression	02/11928	16-Apr-2002		
00CXT0553/US	Coding Based on Spectral Content of a Speech Signal	09/896,682	29-Jun-2001		
00CXT0554N/US/0	Speech Coding System with Time-Domain Noise Attenuation	60/232,958	15-Sep-2000		
00CXT0554N/US/1	Speech Coding System with Time-Domain Noise Attenuation	09/782,791	13-Feb-2001		
00CXT0569N/PCT	System for Imporved Use of Pitch Enhancement with Subcodebooks	01/01735	17-Sep-2001		
00CXT0569N/US	System for Imporved Use of Pitch Enhancement with Subcodebooks	60/232,938	15-Sep-2000		
00CXT0569N/US/2	System for Imporved Use of Pitch Enhancement with Subcodebooks	09/940,904	27-Aug-2001		
00CXT0573N/PCT	System of Dynamic Pulse Position Tracks for Pulse-Like Excitation in Speech Coding	01/01731	17-Sep-2001		
00CXT0573N/US	System of Dynamic Pulse Position Tracks for Pulse-Like Excitation in Speech Coding	60/233,045	15-Sep-2000		
00CXT0573N/US/1	System of Dynamic Pulse Position Tracks for Pulse-Like Excitation in Speech Coding	09/761,029	16-Jan-2001		
00CXT0579N/US	Rate Selection Algorithm For Selectable Mode Vocoder (SMV).	10/126,307	19-Apr-2002		
00CXT0584C/US	Frequency Domain Noise Suppressor	09/651,476	30-Aug-2000		

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00CXT0585N/US	Systems and Methods that Authorize Target Devices Utilizing Proprietary Software and/or Hardware	09/676,748	29-Sep-2000		
00CXT0603N/PCT	System to Reduce Distortion Due to Coding With a Sample-By-Sample Quantizer	01/46317	04-Dec-2001		
00CXT0603N/US	System to Reduce Distortion Due to Coding With a Sample-By-Sample Quantizer	09/733,567	08-Dec-2000		
00CXT0629/EP	High Speed Hardware Search Engine Café/Hydra	01944434.8	12-Jun-2001		
00CXT0629/PCT	High Speed Hardware Search Engine Café/Hydra	01/18821	12-Jun-2001		
00CXT0629/US	High Speed Hardware Search Engine Café/Hydra	60/211,863	14-Jun-2000		
00CXT0629/US/1	High Speed Hardware Search Engine Café/Hydra	09/802,194	08-Mar-2001		
00CXT0629/US/2	High Speed Hardware Search Engine Café/Hydra	09/802,217	08-Mar-2001		
00CXT0629/US/3	High Speed Hardware Search Engine Café/Hydra	09/802,159	08-Mar-2001		
00CXT0629/US/4	High Speed Hardware Search Engine Café/Hydra	09/802,218	08-Mar-2001		
00CXT0629/US/5	High Speed Hardware Search Engine Café/Hydra	09/802,216	08-Mar-2001		
00CXT0643N/US	High Speed Trellis Encoding for Discrete Multitone Transceivers	09/688,258	13-Oct-2000		
00CXT0655N/US	Speech Coding System with Input Signal Transformation	09/782,884	13-Feb-2001		
00CXT0665N/AU	System of Encoding and Decoding Speech Signals	74862/00	21-Mar-2002		
00CXT0665N/BR	System of Encoding and Decoding Speech Signals	PI 0014212-3	21-Mar-2002		
00CXT0665N/CN	System of Encoding and Decoding Speech Signals	00815940.8	24-Jul-2002		
00CXT0665N/EP	System of Encoding and Decoding Speech Signals	00963447.8	15-Sep-2000		
00CXT0665N/JP	System of Encoding and Decoding Speech Signals	2001-525686	20-Mar-2002		
00CXT0665N/KR	System of Encoding and Decoding Speech Signals	10-2002-7003768	22-Mar-2002		
00CXT0665N/PCT	System of Encoding and Decoding Speech Signals	00/25182	15-Sep-2000		
00CXT0665N/RU	System of Encoding and Decoding Speech Signals	2002110441	19-Apr-2002		
00CXT0665N/TW	System of Encoding and Decoding Speech Signals	089119606	22-Sep-2000	NI-158201	01-Jul-2002
00CXT0665N/US	System of Encoding and Decoding Speech Signals	09/663,734	15-Sep-2000		
00CXT0665N/US/2	System of Encoding and Decoding Speech Signals		07-Apr-2003		
00CXT0666N/PCT	Short-Term Enhancement in CELP Speech Coding	01/01730	17-Sep-2001		
00CXT0666N/US	Short-Term Enhancement in CELP Speech Coding	60/232,939	15-Sep-2000		
00CXT0666N/US/1	Short-Term Enhancement in CELP Speech Coding	09/771,293	25-Jan-2001		

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00CXT0667N/PCT	Signal Processing System for Filtering Spectral Content of a Signal for Speech Encoding	01/01734	17-Sep-2001		
00CXT0667N/PCT/2	Signal Processing System for Filtering Spectral Content of a Signal for Speech Encoding	01/01721	17-Sep-2001		
00CXT0667N/US	Signal Processing System for Filtering Spectral Content of a Signal for Speech Encoding	60/233,044	15-Sep-2000		
00CXT0667N/US/1	Signal Processing System for Filtering Spectral Content of a Signal for Speech Encoding	09/781,735	12-Feb-2001		
00CXT0667N/US/2	Signal Processing System for Filtering Spectral Content of a Signal for Speech Encoding	09/783,822	14-Feb-2001		
00CXT0668N/US	Bitstream Protocol For Transmission of Encoded Voice Signals	09/662,828	15-Sep-2000	6,581,032	17-Jun-2003
00CXT0668N/US/2	Bitstream Protocol For Transmission of Encoded Voice Signals	10/420,654	21-Apr-2003		
00CXT0669N/US	Codebook Tables for Encoding and Decoding	09/663,837	15-Sep-2000		
00CXT0669N/US/2	Codebook Tables for Encoding and Decoding		07-Apr-2003		
00CXT0670N/PCT	Adaptive Codebook Handling Pitch Lag	01/01720	17-Sep-2001		
00CXT0670N/US	System for Coding Speech Information Using an Adaptive Codebook with Enhanced Variable Resolution Scheme	09/782,383	12-Feb-2001		
00CXT0670N/US/1	Adaptive Codebook Handling Pitch Lag	60/233,046	15-Sep-2000		
00CXT0717N/US	An Endpoint Detection of Speech for Improved Speech Recognition in Noisy Environments	60/272,956	02-Mar-2001		
00CXT0717N/US/2	An Endpoint Detection of Speech for Improved Speech Recognition in Noisy Environments	09/948,331	05-Sep-2001		
00CXT0725N/PCT/2	Traffic Stream Processor	01/41485	31-Jul-2001		
00CXT0725N/US	Traffic Stream Processor	60/221,821	31-Jul-2000		
00CXT0725N/US/1	Traffic Stream Processor	09/919,283	31-Jul-2001		
00CXT0725N/US/2	Traffic Stream Processor	09/919,216	31-Jul-2001		
00CXT0781N/EP	High Performance Switches and Routers With Parallel Switching Domains Having Sub-Unity Speedup	01121605.8	11-Sep-2001		

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00CXT0781N/EP/2	High Performance Switches and Routers with Parallel Switching Domains Having Sub-Unity Speedup.	01956728.8	14-Aug-2001		
00CXT0781N/PCT/5	High Performance Switches and Routers with Parallel Switching Domains Having Sub-Unity Speedup.	01/01451	14-Aug-2001		
00CXT0781N/US	An Apparatus and Method for a Cache Coherent Shared Memory Multi-Processing System	08/986,430	07-Dec-1997	6,065,077	16-May-2000
00CXT0781N/US/1	Accurate Timing Calibration for Each of Multiple High-Speed Clocked Receivers Using A Single DLL	09/350,414	08-Jul-1999	6,418,537	09-Jul-2002
00CXT0781N/US/2	Fully Connected Cache Coherent Multiprocessing Systems	09/349,641	08-Jul-1999		
00CXT0781N/US/3	Low-Level Circuit Implementation of Signal Flow Graphs	09/349,832	08-Jul-1999	6,469,988	22-Oct-2002
00CXT0781N/US/4	Channel Interface and Protocols for Cache Coherency in a Scalable Symmetric Multiprocessor System	09/281,749	30-Mar-1999	6,516,442	04-Feb-2003
00CXT0781N/US/5	High-Performance Switches and Routers with Parallel Switching Domains Having Sub-Unity Speedup	09/640,462	15-Aug-2000		
00CXT0781N/US/6	An Apparatus and Method for a Cache Coherent Shared Memory Multi-Processing System	09/570,832	12-May-2000	6,457,087	24-Sep-2002
00CXT0784N/US	Half Differential Decoding for High-Speed Channels Using Guaranteed Single-Step Finite-State-Machine Techniques	09/536,828	27-Mar-2000		
00CXT0785N/CN	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	00818093.8	28-Dec-2000		
00CXT0785N/EP	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	00/35475	28-Dec-2000		
00CXT0785N/JP	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	00/35475	28-Dec-2000		
00CXT0785N/KR	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	2002-7008388	28-Dec-2000		
00CXT0785N/PCT	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	00/35475	28-Dec-2000		

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00CXT0785N/US	Crosbar Integrated Circuit With Parallel Channels For A Communication Device	09/750,629	28-Dec-2000		
00CXT0785N/US/2	Input-Queued Crossbar-Based Protcol-Independent Switching Fabric for Switches and Routers	60/178,132	26-Jan-2000		
00CXT0786N/US	Input-Queued Crossbar-Based Protocol Independent Switching Fabric for Switches and Routers	60/178,076	25-Jan-2000		
00CXT0787N/US	Input-Queud Crossbar-Based Protocol-Independent Switching Fabric for Switches and Routers	60/173,777	30-Dec-1999		
00CXT0792N/US	Compact Modular Multi-Processor Assembly with Efficient Processor Cooling	09/192,181	15-Nov-1998		
00CXT0793N/US	Method and Apparatus for Extracting Received Digital Data from a Full-Duplex Point-to-Point Signalling Channel Using Sample-Data Techniques	09/168,311	07-Oct-1998	6,522,701	18-Feb-2003
00CXT0794N/US	Method and Apparatus for Address Transfers, System Serialization, and Centralized Cache and Transaction Control, in a Symmetric Multiprocessor System	09/163,294	29-Sep-1998	6,292,705	18-Sep-2001
00CXT0794N/US/2	Method and Apparatus for Address Transfers, System Serialization, and Centralized Cache and Transaction Control, in a Symmetric Multiprocessor System	09/927,717	10-Aug-2001	6,466,825	15-Oct-2002
00CXT0814N/US	Adaptive Slicer Adjustment for V.92 Upstream Receivers and Transmit Signal Whitening	10/301,299	20-Nov-2002		
00CXT0832N/US	Static Global Program Hazard Detection in Software	10/188,247	01-Jul-2002		
01CXT0022N/US	Adaptive Decision Slicer				
01CXT0033N/US	Communication System Activation	09/972,717	05-Oct-2001		
01CXT0034N/US	Noise Monitoring During Deactivation	10/158,992	29-May-2002		
01CXT0036N/US	Gain Adaptive Equalizer	10/188,615	02-Jul-2002		
01CXT0037N/PCT	Method and Apparatus for Line Probe Signal Processing	02/01326	15-Jan-2002		
01CXT0037N/US	Method and Apparatus for Line Probe Signal Processing	09/764,167	16-Jan-2001		
01CXT0040N/US	Line Probe Signal and Method of Use	09/765,091	16-Jan-2001		

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01CXT0043N/US	Auto-Detection Strategy for universal Answering Modem Ports	10/008,925	06-Dec-2001		
01CXT0059/PCT	Modem Relay Proposal	02/08892	22-Mar-2002		
01CXT0059/US	Modem Relay Proposal	60/288,151	01-May-2001		
01CXT0059/US/1	Modem Communication Over Internet Protocol	60/288,775	04-May-2001		
01CXT0059/US/2	Modem Relay Over a Packet Network	10/104,304	22-Mar-2002		
01CXT0066N/US	Improving the Performance of Network Echo Cancellor By Whittening the Spectrum of Inputs	10/003,603	31-Oct-2001		
01CXT0071/US	Data Compression Over Internet Protocol	60/270,391	21-Feb-2001		
01CXT0071/US/2	Data Compression Over Packet Networks	10/004,655	04-Dec-2001		
01CXT0081N/US	Protected Mechanism for DTMF Relay	10/081,509	21-Feb-2002		
01CXT0098/US	Method for Register Set Reduction and Default Configuration Ccording to Context	10/261,013	30-Sep-2002		
01CXT0102/US	Silicon Device Debug Mechanism Utilizing Internal Modules to Access On-Chip Resources and Connected Externally Via Wireless Communication		24-Dec-2002		
01CXT0108N/US	A Method of Low Speed Diagnosis of Massively Parallel, High Speed Data using Bit Map Imaging, or - a Method for Communicating Internal Device Node State Data Out of the Package Via Optical Links		24-Dec-2002		
01CXT0118N/US	Mehtod and Apparatus for Combined Framing and Packet Delineation		27-Nov-2002		
01CXT0127N/US	A Method to Map the User Service Level Agreements (SLAs) to Router Internal (component or Subsystem Level) Priorities and Qualities of Service (QoS) By Providing a Mapping Algorithm or a Lookup Table Using a Plurality of HW Capabilities.		14-Feb-2003		
01CXT0131N/US	A Method of Signalling Between Intermediate Network Elements to Increase the Efficiency of the Combined Routed and Multiplexed Traffic by Allowing a Router to Signal Circuit Setup and Teardown Commands to an Add Drop Multiplexer	10/106,670	23-Mar-2002		

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01CXT0134N/US	Pseudo Synchronous Machine	10/284,494	29-Oct-2002		
01CXT0147N/US	Algorithm in the Involved Network Processors to Enable a Lossless Switchover of Switch Fabrics with Buffers and Queues	60/260,115	05-Jan-2001		
01CXT0147N/US/1	Algorithm in the Involved Network Processors to Enable a Lossless Switchover of Switch Fabrics with Buffers and Queues	10/010,481	30-Nov-2001		
01CXT0148/PCT	A Conversion Scheme for Silence Description Between Continuous Transmission Silence Description System and Discontinuous Transmission Silence Description System	02/39969	13-Dec-2002		
01CXT0148/US	A Conversion Scheme for Silence Description Between Continuous Transmission Silence Description System and Discontinuous Transmission Silence Description System	10/057,250	24-Jan-2002		
01CXT0151N/US	Negative Feedback, Self-Biasing PECL Receivers	09/501,385	09-Feb-2000	6,353,335	05-Mar-2002
01CXT0152N/US	A System for Fast Scrambling and Descrambling of Data	60/208,642	01-Jun-2000		
01CXT0152N/US/1	A System for Fast Scrambling and Descrambling of Data	09/872,398	01-Jun-2001		
01CXT0153N/PCT	Method and Apparatus for Transmission Line Analysis	02/07790	05-Mar-2002		
01CXT0153N/US	A Method and Apparatus for Characterizing Transmission Lines using Time Domain Reflectometry with M-Sequences	09/810,932	16-Mar-2001		
01CXT0153N/US/2	Adaptive Method and Apparatus for Transmission Line Analysis	10/095,847	11-Mar-2002		
01CXT0153N/US/3	Optical Sequence Time Domain Reflectometry	10/095,825	11-Mar-2002		
01CXT0153N/US/4	A Method and Apparatus for Characterizing Transmission Lines using Time Domain Reflectometry with M-Sequences				
01CXT0153N/US/5	Sequence Time-Domain Reflectometry Using Complementary Golay Codes				
01CXT0161M/US	Emulating Traditional Buses Using Point to Point High Speed Interconnect Technology	10/010,132	06-Dec-2001		

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01CXT0170/US	Circuit for Fast Data Scrambling Utilizing the Sonet Standard	60/232,553	14-Sep-2000		
01CXT0170/US/2	Circuit for Fast Data Scrambling Utilizing the Sonet Standard	09/951,806	14-Sep-2001		
01CXT0171/US	Compensation for Ports Variation	60/249,603	17-Nov-2000		
01CXT0171/US/2	Compensation for Ports Variation	09/987,826	16-Nov-2001		
01CXT0172/US	Precise Edge Detection of Bits Stream by Statistical Sampling	60/249,298	17-Nov-2000		
01CXT0172/US/2	Precise Edge Detection of Bits Stream by Statistical Sampling	09/987,567	17-Nov-2001		
01CXT0173/US	Signal Duration Representation by Conformation Clock Pulses in Different Time Domains	60/232,554	14-Sep-2000		
01CXT0173/US/2	Signal Duration Representation by Conformation Clock Pulses in Different Time Domains	09/951,714	14-Sep-2001		
01CXT0174M/US	Method and Apparatus for Switching Data Using Parallel Swithcing Elements	10/106,645	22-Mar-2002		
01CXT0196/US	Distributed Speech Recognition System	60/272,957	02-Mar-2001		
01CXT0196/US/1	Distributed Speech Recognition System	09/824,402	02-Apr-2001		
01CXT0232/US	An Optical System Design with Minimum Deformation and Maximum Fiber Alignment Reliability	10/217,057	12-Aug-2002		
01M0001N/PCT	VoIP Modem Answer Tone Notch Filter	02/07585	12-Mar-2002		
01M0001N/US	VoIP Modem Answer Tone Notch Filter	60/293,911	25-May-2001		
01M0001N/US/2	VoIP Modem Answer Tone Notch Filter	09/965,745	28-Sep-2001		
01M0001N/US/3	VoIP Modem Answer Tone Notch Filter				
01M0005/PCT	High Speed Modem	02/25571	12-Aug-2002		
01M0005/US	High Speed Modem	60/322,936	17-Sep-2001		
01M0005/US/2	High Speed Modem	10/061,171	01-Feb-2002		
01M0006/US	New Method of Echo Cancellation Using Exact Line Driver Output Information	10/253,668	23-Sep-2002		
01M0009/US	M-ary PAM Constellation Size and symbol Rate Optimization for Twisted Pair Lines (DSL)				
01M0010/US	Data and Clock Extractor with Improved Linearity	10/026,190	20-Dec-2001		
01M0012/US	Switch Scheduling Algorithm	10/284,115	29-Oct-2002		
01M0013/US	JTAG Access Model	10/218,498	13-Aug-2002		

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01M0016/PCT	Low-Processor-Load Aggregation	03/02067	21-Jan-2003		
01M0016/US	Low-Processor-Load Aggregation	10/055,597	22-Jan-2002		
01M0018/US	Alternate Multi-Thread Processor Architecture				
02M0001/US	Assigning Addresses to Packet-network Devices and Botting Multi-Channel Devices	10/055,529	22-Jan-2002		
02M0003/US	High Output Voltage Swing EAM/DML Driver with Minimum Headroom	10/193,834	11-Jul-2002		
02M0004/US	Answer Tone Semantic Preservation for Modem-Over-IP	60/332,075	20-Nov-2001		
02M0004/US/2	Answer Tone Semantic Preservation for Modem-Over-IP		24-Sep-2002		
02M0005/US	Method and System for Debugging Multiprocessor Systems	10/153,576	21-May-2002		
02M0007/US	Adaptive Equalization with Amplitude Differential Feedback	10/180,742	26-Jun-2002		
02M0008/US	Wrap Path for Communication Ring Access Control	10/093,762	08-Mar-2002		
02M0010/US	Method and System for an Adaptable User Interface in a Debugger	10/147,379	15-May-2002		
02M0011/US	A Retargetable Simulation System with Adaptable Disassembler and Target Support	10/180,480	25-Jun-2002		
02M0013/US	Virtual Channel Mirroring Technology for Carrier Class Voice Over Packet	10/154,278	23-May-2002		
02M0014/US	Flow Control for Communication Ring Access Control	10/093,677	08-Mar-2002		
02M0015/US	Combination DCServo and Input Equalization for Signal Recovery in Data Signal Transmission	10/208,919	31-Jul-2002		
02M0016/US	Trans-compression Selection and Configuration in Modem Over Packet Networks	60/372,535	13-Apr-2002		
02M0016/US/2	Trans-compression Selection and Configuration in Modem Over Packet Networks	10/229,439	27-Aug-2002		
02M0017/US	A Complexity Resource Manager for Multi-Channel Speech Processing	10/271,576	15-Oct-2002		
02M0018/US	Analog Boundary Scan Architecture for High Speed SERDES Interface	60/382,299	20-May-2002		
02M0018/US/2	Analog Boundary Scan Architecture for High Speed SERDES Interface				

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02M0019/US	Analog Boundary Scan Cells for High Speed SERDES Interface	60/382,422	20-May-2002		
02M0019/US/2	Analog Boundary Scan Cells for High Speed SERDES Interface				
02M0021/US	Flow Control and Error Correction Improvement in MoIP	10/247,222	18-Sep-2002		
02M0025/US	Adaptive Generic Forward Error Correction Algorithm to Optimize Fax Pass Through Transport	10/229,438	27-Aug-2002		
02M0026/US	A Low Frequency Sidechannel for Optical Transmission Systems				
02M0027/US	Input Eye Voltage and Phase Slice Based on Actual Performance				
02M0028/US	Module Signalling with Phase/Jitter Modulation				
02M0029/US	Variable Slice Limit Amp with Out VGA Loop				
02M0030/US	Adaptive Forward Error Correction Optimizing Fax or Modem Relay Transport	10/264,090	02-Oct-2002		
02M0031/US	Destructive Break Handling in MoIP	60/407,171	30-Aug-2002		
02M0031/US/2	Destructive Break Handling in MoIP				
02M0033/US	Method for Assigning Unique Identifiers to Identical Devices Over a Non-broadcast Interface				
02M0036/US	Improvement on CM-JM procedure in MoIP	60/416,218	04-Oct-2002		
03M0001/US	A New Degree of Process Freedom for Bonded SOI Wagers, and Application to the All-Around Gate`` MOSFET				
03M0003/US	Speech Coding Method and System for Wideband Applicatons		15-Mar-2003		
03M0009/US	Statistical Increase of Channel Density Ensuring High Quality of Service in a Multichannel Digital Signal Processor(``Overdrive``)				
03M0015/US	Generalized Analysis-By-Synthesis Speech Coding Method, And Coder Implementing Such Method	10/294,923	14-Nov-2002		
03M0018/US	New Encryption Scheme Optimized for Voice Transfer Over Packet Network				
79E002/US	Controlled Oscillator Having Random Variable Frequency	191,648	22-Sep-1980	4,646,032	24-Feb-1987
79E088/US	Electrochromic Nonvolatile Memory Device	305,248	24-Sep-1981	4,498,156	05-Feb-1985

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79E096/US	Synchronization System for Digital Data	06/169,583	17-Jul-1980	4,328,588	04-May-1982
79E096/US/1	Synchronization System for Digital Data	013,981	12-Feb-1987	RE 32,945	06-Jun-1989
80E054/US	Tracking ROM Drive & Sense Circuit	397,648	12-Jul-1982	4,482,824	13-Nov-1984
81E004/US	Clocked Tri-State Driver Circuit	388,044	14-Jun-1982	4,504,745	12-Mar-1985
81E006/US	High Voltage Level Detector & Method	392,106	25-Jun-1982	4,496,855	29-Jan-1985
81E007/US	MOS/LSI Time Delay Circuit	394,741	02-Jul-1982	4,503,345	05-Mar-1985
82E021/US	Squaring Circuit Bypass	376,480	10-May-1982	4,464,586	07-Aug-1984
82E063/JP	De-Glitch Circuitry for Video Game Memories	16902/84	30-Jan-1984	1667965	29-May-1992
82E063/US	De-Glitch Circuitry for Video Game Memories	463,093	02-Feb-1983	4,599,525	08-Jul-1986
82E068/US	Controlled Oscillator Having Random Variable Frequency	623,291	30-Apr-1984	4,684,903	04-Nov-1987
83E062/US	Non-Volatile RAM Cell w/Single High Voltage Precharge	801,650	25-Nov-1985	4,686,652	11-Aug-1987
83E065/US	GaAs Driver Circuit	728,546	29-Apr-1985	5,293,085	08-Mar-1994
84E037/US	Nonlinear Statistical Signal Processor	845,227	27-Mar-1986	4,774,682	27-Sep-1988
85E028/US	Monolithic Random Digital Noise Generator (Secrecy Order - 10/10/86) Rescinded 8/4/87	850,202	10-Apr-1986	4,799,259	17-Jan-1989
86E010/US	Multiphase CMOS Toggle Flip-Flop	023,179	09-Mar-1987	4,804,864	14-Feb-1989
86E011/US	Clocked CMOS Bus Precharge Circuit Having Level Sensing	015,476	17-Feb-1987	4,763,023	09-Aug-1988
86E046/US	Digital Signal Direction Detection Circuit	305,344	02-Feb-1989	4,982,115	01-Jan-1991
91E004/DE	Triple Register RISC Digital Signal Processor	93111559.6	19-Jul-1993	0580109	10-Dec-1997
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91E004/FR	Triple Register RISC Digital Signal Processor	93111559.6	19-Jul-1993	0580109	10-Dec-1997
91E004/GB	Triple Register RISC Digital Signal Processor	93111559.6	19-Jul-1993	0580109	10-Dec-1997
91E004/JP	Triple Register RISC Digital Signal Processor	181319/1993	22-Jul-1993		
91E004/US	Triple Register RISC Digital Signal Processor	08/547,050	23-Oct-1995	5,586,284	17-Dec-1996
91E004/US/1	Triple Register RISC Digital Signal Processor	917,872	23-Jul-1992		
91E011/JP	Signal Processor Contexts with Elemental and Reserved Group Addressing	155835/94	07-Jul-1994	3106060	01-Sep-2000
91E011/US	Signal Processor Contexts with Elemental and Reserved Group Addressing	08/095,550	26-Jul-1993	5,479,626	26-Dec-1995

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91E013/EP	Space Vector Data Path	95106843.6	05-May-1995	0681236	22-Nov-2000
91E013/FR	Space Vector Data Path	95106843.6	05-May-1995	0681236	22-Nov-2000
91E013/GB	Space Vector Data Path	95106843.6	05-May-1995	0681236	22-Nov-2000
91E013/JP	Space Vector Data Path	109642/1995	08-May-1995		
91E013/US	Space Vector Data Path	630,231	10-Apr-1996	5,778,241	07-Jul-1998
91E013/US/1	Space Vector Data Path	238,558	05-May-1994		
92E011/US	Device and Method for Selecting and Addressing Extended Memory Addresses	937,082	31-Aug-1992		
92E011/US/1	Device and Method for Selecting and Addressing Extended Memory Addresses	08/352,296	08-Dec-1994	5,627,986	06-May-1997
92E031/JP	Low Power Crystal Oscillator	081460/1994	20-Apr-1994		
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93E013/EP	On-Chip Debug Port	96114461.5	10-Sep-1996	0764903	03-Jul-2002
93E013/EP/DE	On-Chip Debug Port	69622112.8-08	10-Sep-1996	0764903	03-Jul-2002
93E013/EP/FR	On-Chip Debug Port	96114461.5	10-Sep-1996	0764903	03-Jul-2002
93E013/EP/GB	On-Chip Debug Port	96114461.5	10-Sep-1996	0764903	03-Jul-2002
93E013/JP	On-Chip Debug Port	239262/1996	10-Sep-1996		
93E013/US	On-Chip Debug Port	526,472	11-Sep-1995	5,544,311	06-Aug-1996
93E035/DE	Efficient, Well Regulated, DC-DC Power Supply Up Converter for CMOS Integrated Circuits	95104835.4	31-Mar-1995	0676856	20-Sep-2000
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93E035/US	Efficient, Well Regulated, DC-DC Power Supply Up Converter for CMOS Integrated Circuits	08/226,197	11-Apr-1994	5,532,576	02-Jul-1996
93E037/EP	Accurate Reference Generation Technique Valid During System Power-Up Transients	95104837.0	31-Mar-1995	0676857	16-Jan-2002
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93E037/EP/FR	Accurate Reference Generation Technique Valid During System Power-Up Transients	95104837.0	31-Mar-1995	0676857	16-Jan-2002
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93E037/US	Accurate Reference Generation Technique Valid During System Power-Up Transients	226,126	11-Apr-1994	5,530,398	25-Jun-1996
93E038/DE	Supply-Discriminating Supply-Adaptive Electronic System	95104833.9	31-Mar-1995	0676855	27-Jul-2000
93E038/EP	Supply-Discriminating Supply-Adaptive Electronic System	95104833.9	31-Mar-1995	0676855	27-Jul-2000
93E038/FR	Supply-Discriminating Supply-Adaptive Electronic System	95104833.9	31-Mar-1995	0676855	27-Jul-2000
93E038/GB	Supply-Discriminating Supply-Adaptive Electronic System	95104833.9	31-Mar-1995	0676855	27-Jul-2000
93E038/JP	Circuit for Detecting the level of Supply Voltage and Method of Supply Discriminating	83846/1995	10-Apr-1995		
93E038/US	Supply-Discriminating Supply-Adaptive Electronic System	226,198	11-Apr-1994	5,514,951	07-May-1996
93E041/DE	Variable Speed Playback System	95120294.4	21-Dec-1995	0726560	26-Feb-2001
93E041/EP	Variable Speed Playback System	95120294.4	21-Dec-1995	0726560	26-Feb-2001
93E041/FR	Variable Speed Playback System	95120294.4	21-Dec-1995	0726560	26-Feb-2001
93E041/GB	Variable Speed Playback System	95120294.4	21-Dec-1995	0726560	26-Feb-2001
93E041/JP	Variable Speed Playback System	320765/1995	08-Dec-1995		
93E041/US	Variable Speed Playback System	371,258	11-Jan-1995	5,694,521	12-Feb-1997
93E070/US	Unified Trellis Encoder	327,079	21-Oct-1994	5,768,309	16-Jun-1998
94E044/EP	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	95118142.9	17-Nov-1995	0713208	02-Feb-2002
94E044/EP/1	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	96108155.1	22-May-1996		
94E044/EP/DE	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	695 25 508.8-08	17-Nov-1995	0713208	20-Feb-2002

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94E044/EP/FR	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	95118142.9	17-Nov-1995	0713208	20-Feb-2002
94E044/EP/GB	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	95118142.9	17-Nov-1995	0713208	20-Feb-2002
94E044/JP	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	295266/1995	14-Nov-1995		
94E044/JP/1	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	110964/1996	01-May-1996		
94E044/US	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	08/454,477	30-May-1995	5,781,880	14-Jul-1998
94E044/US/1	Pitch Lag Estimation System Using Frequency -Domain Lowpass Filtering of the Linear Predictive Coding Residual	08/342,494	21-Nov-1994		
94E050/EP	Five Volt Tolerant Protection Circuit	96120212.4	16-Dec-1996		
94E050/JP	Five Volt Tolerant Protection Circuit	341083/1996	20-Dec-1996		
94E050/US	Five Volt Tolerant Protection Circuit	590,382	25-Jan-1996	5,736,887	07-Apr-1998
94E056/EP	Spike Code-Excited Linear Prediction	96115299.8	24-Sep-1996		
94E056/JP	Spike Code-Excited Linear Prediction	254230/1996	26-Sep-1996		
94E056/US	Spike Code-Excited Linear Prediction	08/536,329	29-Sep-1995	5,664,054	02-Sep-1997
94E061/EP	Clock Signal Frequency Multiplier	97934355.5	31-Jul-1997		
94E061/JP	Clock Signal Frequency Multiplier	10-508065	13-Mar-1998		
94E061/PCT	Clock Signal Frequency Multiplier	97/13506	31-Jul-1997		
94E061/US	Clock Signal Frequency Multiplier	691,765	02-Aug-1996	5,821,785	13-Oct-1998
94E066/EP	Low Bit-Rate Speech Coder Using Adaptive Open-Loop Subframe Pitch Lag Estimation and Vector Quantization	97116815.8	26-Sep-1997		
94E066/JP	Low Bit-Rate Speech Coder Using Adaptive Open-Loop Subframe Pitch Lag Estimation and Vector Quantization	262289/1997	26-Sep-1997		

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94E066/US	Low Bit-Rate Speech Coder Using Adaptive Open-Loop Subframe Pitch Lag Estimation and Vector Quantization	08/721,410	26-Sep-1996	6,014,622	11-Jan-2000
94E066/US/1	Low Bit-Rate Speech Coder Using Adaptive Open-Loop Subframe Pitch Lag Estimation and Vector Quantization	09/433,002	02-Nov-1999	6,345,248	05-Feb-2002
94E071/EP	Timing Recovery Scheme for Packet Speech in Multiplexing Environment of Voice with Data Applications	96107782.3	15-May-1996		
94E071/JP	Timing Recovery Scheme for Packet Speech in Multiplexing Environment of Voice with Data Applications	123467/1996	17-May-1996		
94E071/US	Timing Recovery Scheme for Packet Speech in Multiplexing Environment of Voice with Data Applications	443,651	18-May-1995	5,699,481	16-Dec-1997
94E077/US	Delayed Decision Switched Prediction Multi-Stage LSF Vector Quantization	536,890	29-Sep-1995	5,774,839	30-Jun-1998
94E079/US	Method of Providing Redundancy in Electrically Alterable Memories	08/900,262	25-Jul-1997	5,835,430	10-Nov-1998
95E019/US	Speech Coding Employing Hybrid Linear Prediction Coding	09/548,204	13-Apr-2000		
95E020/PCT	Comb Codebook Structure	99/19279	24-Aug-1999		
95E020/TW	Comb Codebook Structure	88114339	21-Aug-1999		
95E020/US	Comb Codebook Structure	09/156,649	18-Sep-1998	6,330,531	11-Dec-2001
95E020/US/2	Fixed Codebook Structure Including Sub-Codebooks	09/981,383	17-Oct-2001		
95E023/US	Target Signal Reference Shifting Employed in Code-Excited Linear Prediction Speech Coding	09/548,205	13-Apr-2000		
95E033/US	Reduced Complexity Tresillis Decoder Based on a Relative Ordering Scheme	09/163,574	30-Sep-1998		
95E042/EP	Offset Cancellation for Differential Amplifiers	96115661.9	30-Sep-1996	0768751	16-Jan-2002
95E042/EP/DE	Offset Cancellation for Differential Amplifiers	96115661.9	30-Sep-1996	69618523.7-08	16-Jan-2002
95E042/EP/FR	Offset Cancellation for Differential Amplifiers	96115661.9	30-Sep-1996	0768751	16-Jan-2002
95E042/EP/GB	Offset Cancellation for Differential Amplifiers	96115661.9	30-Sep-1996	0768751	16-Jan-2002
95E042/JP	Offset Cancellation for Differential Amplifiers	256242/1996	27-Sep-1996		
95E042/US	Offset Cancellation for Differential Amplifiers	08/536,331	29-Sep-1995	5,631,603	20-May-1997
95E043/EP	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	96115135.4	20-Sep-1996	0766381	03-Apr-2002

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95E043/EP/DE	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	696 20 330.8-08	20-Sep-1996	0766381	03-Apr-2002
95E043/EP/FR	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	96115135.4	20-Sep-1996	0766381	03-Apr-2002
95E043/EP/GB	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	96115135.4	20-Sep-1996	0766381	03-Apr-2002
95E043/JP	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	256335/1996	27-Sep-1996		
95E043/US	Single-ended to Differential Converter with Relaxed Common Mode Input Requirements	536,405	29-Sep-1995	5,614,864	25-Mar-1997
95E048/EP	Data Compression System and Method	98904862.4	05-Feb-1998	0962059	13-Nov-2002
95E048/EP/DE	Data Compression System and Method	98904862.4-2206	05-Feb-1998	0962059	13-Nov-2002
95E048/EP/FR	Data Compression System and Method	98904862.4-2206	05-Feb-1998	0962059	13-Nov-2002
95E048/EP/GB	Data Compression System and Method	98904862.4-2206	08-Feb-1998	0962059	13-Nov-2002
95E048/JP	Data Compression System and Method	10-535793	05-Feb-1998		
95E048/PCT	Data Compression System and Method	98/02026	05-Feb-1998		
95E048/US	Data Compression System and Method	801,890	18-Feb-1997	5,781,128	14-Jul-1998
95E069/PCT	Signal Process with Fast Field Reconfigurable Datapath, Data Address Unit, and Program Sequencer	00/26308	25-Sep-2000		
95E069/US	Signal Process with Fast Field Reconfigurable Datapath, Data Address Unit, and Program Sequencer	09/408,825	29-Sep-1999		
95E107/EP	Internal Testability Sytem for Microprocessor-Based Integrated Circuit	98903520.9	16-Jan-1998		
95E107/JP	Internal Testability Sytem for Microprocessor-Based Integrated Circuit	534544/1988	16-Jan-1998		
95E107/PCT	Internal Testability Sytem for Microprocessor-Based Integrated Circuit	98/00819	16-Jan-1998		
95E107/US	Internal Testability Sytem for Microprocessor-Based Integrated Circuit	08/785,068	17-Jan-1997	5,790,561	04-Aug-1998
95E110/EP	Usage of Voice Activity Detection for Efficient Coding of Speech	97100812.3	20-Jan-1997	0785541	16-Apr-2003

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95E110/EP/DE	Usage of Voice Activity Detection for Efficient Coding of Speech				
95E110/EP/FR	Usage of Voice Activity Detection for Efficient Coding of Speech	97100812.3	20-Jan-1997		
95E110/EP/GB	Usage of Voice Activity Detection for Efficient Coding of Speech				
95E110/JP	Usage of Voice Activity Detection for Efficient Coding of Speech	8589/1997	21-Jan-1997		
95E110/US	Usage of Voice Activity Detection for Efficient Coding of Speech	589,132	22-Jan-1996	5,689,615	18-Nov-1997
95E113/EP	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal	97100813.1	20-Jan-1997		
95E113/EP/DE	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal				
95E113/EP/FR	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal				
95E113/EP/GB	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal				
95E113/JP	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal	008588/1997	21-Jan-1997	3363336	25-Oct-2002
95E113/US	Method and Apparatus for Generating Frame Voicing Decisions of an Incoming Speech Signal	589,509	22-Jan-1996	5,774,849	30-Jun-1998
95E144/US	A Multi-Dimensional Combined Equalizer and Decoder	08/884,271	26-Jun-1997	6,009,120	28-Dec-1999
95E144/US/1	A Multi-Dimensional Combined Equalizer and Decoder	09/410,480	30-Sep-1999		
95E144/US/2	A Multi-Dimensional Combined Equalizer and Decoder	09/557,449	25-Apr-2000		
96E014/EP	Signal Compression Using Index Mapping Technique for the Sharing of Quantization Tables	97114619.6	22-Aug-1997		
96E014/JP	Signal Compression Using Index Mapping Technique for the Sharing of Quantization Tables	225082/1997	21-Aug-1997	3223141	17-Aug-2001
96E014/US	Signal Compression Using Index Mapping Technique for the Sharing of Quantization Tables	08/702,780	23-Aug-1996	5,920,853	06-Jul-1999

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96E059/PCT	Method and Apparatus for Detecting and Determining Characteristics of a Fully Digital Connection in a Data Communications System	99/17005	27-Jul-1999		
96E059/US	Method and Apparatus for Detecting and Determining Characteristics of a Fully Digital Connection in a Data Communications System	09/361,872	27-Jul-1999		
96E059/US/1	Method and Apparatus for Detecting and Determining Characteristics of a Fully Digital Connection in a Data Communications System	60/097,802	25-Aug-1998		
96E059/US/2	Method and Apparatus for Detecting and Determining Characteristics of a Fully Digital Connection in a Data Communications System	60/094,449	28-Jul-1998		
96E103/US	Method and Apparatus for Spectral Shaping in Signal-Point Limited Transmission Systems	08/746,731	15-Nov-1996	6,192,087	20-Feb-2001
96E103/US/1	Method and Apparatus for Spectral Shaping in Signal-Point Limited Transmission Systems	08/756,383	27-Nov-1996	6,278,744	21-Aug-2001
96E103/US/2	Method and Apparatus for Spectral Shaping in Signal-Point Limited Transmission Systems	09/047,802	25-Mar-1998	5,970,100	19-Oct-1999
96E113/US	A Method and System for Achieving Faster Asymmetric Data Transmission Through the Public Telephone Network	08/892,446	14-Jul-1997	6,002,684	14-Dec-1999
97RSS001/US	A Method and System for Achieving Improved Data Transmission Through the Public Switched Telephone Network	08/931,033	16-Sep-1997	6,285,672	04-Sep-2001
97RSS003/EP	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	97121321.0	04-Dec-1997		
97RSS003/EP/1	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	98957827.3	12-Nov-1998		
97RSS003/JP	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	334237/1997	04-Dec-1997		

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97RSS003/PCT/1	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	98/24050	12-Nov-1998		
97RSS003/US	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	08/760,646	04-Dec-1996	6,081,555	27-Jun-2000
97RSS003/US/1	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	08/972,960	19-Nov-1997	6,259,742	10-Jul-2001
97RSS003/US/2	Methods and Apparatus for Implementing Shell Mapping Techniques in the Context of a PCM-Based Modem Communication System	09/394,957	10-Sep-1999	6,226,334	01-May-2001
97RSS035/PCT	System and Method for Providing an Enhanced Audio Quality Telecommunication Session	99/10806	17-May-1999		
97RSS035/US	System and Method for Providing an Enhanced Audio Quality Telecommunication Session	09/082,929	21-May-1998	6,353,666	05-Mar-2002
97RSS039/CA/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	2,341,712	24-Aug-1999		
97RSS039/EP	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	99946655.0	24-Aug-1999		
97RSS039/EP/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	99943828.6	24-Aug-1999		
97RSS039/JP/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	2000-566830	24-Aug-1999		

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97RSS039/PCT	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	99/19137	24-Aug-1999		
97RSS039/PCT/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	99/19569	24-Aug-1999		
97RSS039/TW	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	88114349	24-Aug-1999	141879	25-Jan-2002
97RSS039/TW/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	88114344	24-Aug-1999	141569	21-Jan-2002
97RSS039/US	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	09/156,832	18-Sep-1998		
97RSS039/US/1	Speech Encoder Using Voice Activity Detection in Coding Noise TW app: SPEECH CODEC EMPLOYING SPEECH CLASSIFICATION FOR NOISE COMPENSATION	09/198,414	24-Nov-1998	6,240,386	29-May-2001
97RSS087/PCT	Method for Dynamic Allocation and Efficient Sharing of Function Unit Datapaths	99/22551	30-Sep-1999		
97RSS087/TW	Method for Dynamic Allocation and Efficient Sharing of Function Unit Datapaths	88116867	06-Nov-1999		
97RSS087/US	Method for Dynamic Allocation and Efficient Sharing of Function Unit Datapaths	09/163,741	30-Sep-1998	6,442,672	27-Aug-2002
97RSS089/US	Speaker Dependent Speech Recognition Training Using Simplified Hidden Markov Modeling and Robust End-Point Detection	09/410,215	30-Sep-1999	6,405,168	11-Jun-2002

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97RSS090/EP	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99920339.1	04-May-1999	1076895	29-Jan-2003
97RSS090/EP/DE	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99920339.1-2218	04-May-1999	69905152.5	29-Jan-2003
97RSS090/EP/FR	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99920339.1-2218	04-May-1999	1076895	29-Jan-2003
97RSS090/EP/GB	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99920339.1-2218	04-May-1999	1076895	29-Jan-2003
97RSS090/JP	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	547612/2000	04-May-1999		
97RSS090/PCT	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	99/09764	04-May-1999		
97RSS090/US	A System and Method to Improve the Quality of Coded Speech Co-Existing with Background Noise	09/075,365	05-May-1998	6,122,611	19-Sep-2000
97RSS131/US	Method for Implementing an Inband Capabilities Negotiation	09/086,617	27-May-1998		
97RSS181/PCT	Method and Apparatus for Reducing Start-up Latency in a Data Transmission System	99/14977	01-Jul-1999		
97RSS181/TW	Method and Apparatus for Reducing Start-up Latency in a Data Transmission System	88111560	08-Jul-1999	135440	25-Oct-2001
97RSS181/US	Method and Apparatus for Reducing Start-up Latency in a Data Transmission System	09/112,433	09-Jul-1998	6,272,170	07-Aug-2001
97RSS182/US	Auto-Reference Pseudo-Flash Analog to Digital Converter	928,409	12-Sep-1997	5,936,566	10-Aug-1999
97RSS183/EP	Scheduler Utilizing Dynamic Schedule Table	97250328.8	05-Nov-1997		
97RSS183/JP	Scheduler Utilizing Dynamic Schedule Table	9-332224	02-Dec-1997	2983011	24-Sep-1999
97RSS183/US	Scheduler Utilizing Dynamic Schedule Table	08/759,057	02-Dec-1996	5,889,779	30-Mar-1999
97RSS183/US/1	Scheduler Utilizing Dynamic Schedule Table	09/109,801	02-Jul-1998	6,005,866	21-Dec-1999
97RSS183/US/2	Scheduler Utilizing Dynamic Schedule Table	09/087,238	29-May-1998	6,414,963	02-Jul-2002

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97RSS186/EP	Apparatus and Method for Providing Fire Wall Protection for Systems in Communication With an Asynchronous Transfer Mode System	97250329.6	05-Nov-1997		
97RSS186/JP	Apparatus and Method for Providing Fire Wall Protection for Systems in Communication With an Asynchronous Transfer Mode System	9-334373	04-Dec-1997	3184138	27-Apr-2001
97RSS186/US	Apparatus and Method for Providing Fire Wall Protection for Systems in Communication With an Asynchronous Transfer Mode System	08/767,109	04-Dec-1996	6,185,223	06-Feb-2001
97RSS187/CA	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	2,142,388	13-Feb-1995	2,142,388	02-May-2000
97RSS187/EP	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	95101788.8	09-Feb-1995		
97RSS187/JP	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	63299/95	14-Feb-1995		
97RSS187/US	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	195,628	14-Feb-1994	5,627,885	06-May-1997
97RSS187/US/1	System for, and Method of, Transmitting and Receiving Through Telephone Lines Signals Representing Data	717,248	20-Sep-1996	5,778,055	07-Jul-1998
97RSS190/US	Controller for ATM Segmentation and Reassembly	633,955	15-Apr-1996	5,768,275	16-Jun-1998
97RSS219/CA	Adaptive Error Control for ADPCM Speech Coders	2,175,659	02-Nov-1994		
97RSS219/EP	Adaptive Error Control for ADPCM Speech Coders	95902431.6	02-Nov-1994	0746845	02-Oct-2002
97RSS219/EP/DE	Adaptive Error Control for ADPCM Speech Coders	95902431.6	02-Nov-1994	69431489.7	02-Oct-2002
97RSS219/EP/FR	Adaptive Error Control for ADPCM Speech Coders	95902431.6	02-Nov-1994	0746845	02-Oct-2002
97RSS219/EP/GB	Adaptive Error Control for ADPCM Speech Coders	95902431.6	02-Nov-1994	0746845	02-Oct-2002
97RSS219/JP	Adaptive Error Control for ADPCM Speech Coders	513414/1995	02-Nov-1994		
97RSS219/PCT	Adaptive Error Control for ADPCM Speech Coders	US94/12649	02-Nov-1994		
97RSS219/SG	Adaptive Error Control for ADPCM Speech Coders	9609228-3	02-Nov-1994		
97RSS219/US	Adaptive Error Control for ADPCM Speech Coders	08/146,612	02-Nov-1993	5,535,299	09-Jul-1996

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97RSS226/CA	Controller for ATM Segmentation and Reassembly	2,156,771	23-Aug-1995	2,156,771	13-Nov-2001
97RSS226/EP	Controller for ATM Segmentation and Reassembly	95113719.9	31-Aug-1995	0703718	12-Feb-2003
97RSS226/EP/DE	Controller for ATM Segmentation and Reassembly	95113719.9	31-Aug-1995	0703718	12-Feb-2003
97RSS226/EP/FR	Controller for ATM Segmentation and Reassembly	95113719.9	31-Aug-1995	0703718	12-Feb-2003
97RSS226/EP/GB	Controller for ATM Segmentation and Reassembly	95113719.9	31-Aug-1995	0703718	12-Feb-2003
97RSS226/JP	Controller for ATM Segmentation and Reassembly	222049/95	30-Aug-1995		
97RSS226/US	Controller for ATM Segmentation and Reassembly	08/467,311	06-Jun-1995	5,949,781	07-Sep-1999
97RSS232/US	Apparatus For Providing An Output Voltage with Substantially Identical Rising and Falling Characteristics	028,999	10-Mar-1993	5,486,778	23-Jan-1996
97RSS232/US/1	Apparatus For Providing An Output Voltage with Substantially Identical Rising and Falling Characteristics	434,973	04-May-1995	5,602,495	11-Feb-1997
97RSS232/US/2	Apparatus For Providing An Output Voltage with Substantially Identical Rising and Falling Characteristics	730,097	15-Oct-1996	5,789,972	04-Aug-1998
97RSS238/US	Voltage Controlled Oscillator	654,054	28-May-1996	5,731,744	24-Mar-1998
97RSS241/CA	Balanced Cascode Current Mirror	2.056,098	25-Nov-1991	2,056,098	30-Sep-1997
97RSS241/CH	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/DE	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	P69128911.5	11-Feb-1998
97RSS241/EP	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/FR	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/GB	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/IT	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/JP	Balanced Cascode Current Mirror	3-312302	27-Nov-1991	3200122	15-Jun-2001
97RSS241/SE	Balanced Cascode Current Mirror	91120436.0	28-Nov-1991	0488315	11-Feb-1998
97RSS241/US	Balanced Cascode Current Mirror	619,399	29-Nov-1991	5,099,205	24-Mar-1992
97RSS251/EP	System for, and Method of, ATM Segmentation and Reassembly of Cells Providing Streaming Data	97120862.4	27-Nov-1997		

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97RSS251/JP	System for, and Method of, ATM Segmentation and Reassembly of Cells Providing Streaming Data	324298/1997	26-Nov-1997		
97RSS251/US	System for, and Method of, ATM Segmentation and Reassembly of Cells Providing Streaming Data	08/757,288	27-Nov-1996		
97RSS252/EP	Asynchronous Transfer Mode System for, and Method of, Writing a Cell Payload Between a Control Queue on One Side of a System Bus and a Status Queue on the Other Side of the System Bus	97121773.2	10-Dec-1997		
97RSS252/US	Asynchronous Transfer Mode System for, and Method of, Writing a Cell Payload Between a Control Queue on One Side of a System Bus and a Status Queue on the Other Side of the System Bus	08/764,692	11-Dec-1996	6,075,790	13-Jun-2000
97RSS252/US/1	Asynchronous Transfer Mode System for, and Method of, Writing a Cell Payload Between a Control Queue on One Side of a System Bus and a Status Queue on the Other Side of the System Bus	09/433,850	04-Nov-1999		
97RSS253/JP	Asynchronous Transfer Mode System and Method	331712/1997	02-Dec-1997		
97RSS253/US	Asynchronous Transfer Mode System and Method	08/756,950	02-Dec-1996	5,991,265	23-Nov-1999
97RSS253/US/1	Asynchronous Transfer Mode System and Method	09/416,240	12-Oct-1999	6,301,226	09-Oct-2001
97RSS259/US	System For, and Method of, Adjusting the Phases of Clock Signals to Correspond to the Phases of Digital Signals Representing Input Words	09/038,213	11-Mar-1998		
97RSS266/CA	Reference Generator	588,870	23-Jan-1989	1,283,214	16-Apr-1991
97RSS266/CH	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/DE	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/EP	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/FR	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/GB	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/IT	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/JP	Reference Generator	1-50192	03-Mar-1989	3020242	14-Jan-2000
97RSS266/SE	Reference Generator	89103668.3	02-Mar-1989	0331172	26-Aug-1998
97RSS266/US	Reference Generator	163,646	03-Mar-1988	4,814,688	21-Mar-1989
97RSS267/CA	Apparatus for Converting Between Digital and Analog Values	510,543	02-Jun-1986	1,258,711	22-Aug-1989

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97RSS267/CH	Apparatus for Converting Between Digital and Analog Values	8610969.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/DE	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/EP	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/FR	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/GB	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/IT	Apparatus for Converting Between Digital and Analog Values	86109696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/JP	Apparatus for Converting Between Digital and Analog Values	61-164848	15-Jul-1986	2620224	11-Mar-1997
97RSS267/SE	Apparatus for Converting Between Digital and Analog Values	8610696.4	15-Jul-1986	0209835	01-Jun-1994
97RSS267/US	Apparatus for Converting Between Digital and Analog Values	755,170	15-Jul-1985	4,665,380	12-May-1987
97RSS274/CA	Apparatus for Converting igital Values to Analog Values	546,223	04-Sep-1987	1,274,316	18-Sep-1990
97RSS274/EP	Apparatus for Converting igital Values to Analog Values	87114525.6	05-Oct-1987		
97RSS274/JP	Apparatus for Converting igital Values to Analog Values	62-250823	06-Oct-1987		
97RSS274/US	Apparatus for Converting igital Values to Analog Values	915,784	06-Oct-1986	4,899,151	06-Feb-1990
97RSS283/CA	Self-Timing Analog-to-Digital Converting System	597,549	24-Apr-1989	1,317,028	27-Apr-1993
97RSS283/DE	Self-Timing Analog-to-Digital Converting System	89115645.7	24-Aug-1989	0355835	12-Jun-1996
97RSS283/EP	Self-Timing Analog-to-Digital Converting System	89115645.7	24-Aug-1989		12-Jun-1996
97RSS283/GB	Self-Timing Analog-to-Digital Converting System	89115645.7	24-Aug-1989	0355835	12-Jun-1996
97RSS283/JP	Self-Timing Analog-to-Digital Converting System	1-217604	25-Aug-1989	2983555	24-Sep-1999
97RSS283/US	Self-Timing Analog-to-Digital Converting System	236,505	25-Aug-1988	4,926,176	15-May-1990
97RSS292/CA	Echo Canceller	2,142,387	13-Feb-1995	2,142,387	02-May-2000
97RSS292/EP	Echo Canceller	95101789.6-2412	09-Feb-1995		
97RSS292/JP	Echo Canceller	63300/95	14-Feb-1995		
97RSS292/US	Echo Canceller	195,267	14-Feb-1994	5,500,892	19-Mar-1996
97RSS317/US	Data Delivery Technique for Fiber to the Curb	09/162,653	29-Sep-1998		

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97RSS328/US	Hardware Out of Band Flow Control of Non-Isochronous Framed Channelized Data	09/249,456	12-Feb-1999		
97RSS333/PCT	A Dynamic Dual-Length 16-Bit and 32-Bit RISC-Style Instruction Set Architecture	99/23039	04-Oct-1999		
97RSS333/US	A Dynamic Dual-Length 16-Bit and 32-Bit RISC-Style Instruction Set Architecture	09/172,315	14-Oct-1998	6,366,998	02-Apr-2002
97RSS352/EP	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98943473.3	31-Aug-1998	1,013,039	07-Nov-2001
97RSS352/EP/DE	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98943473.3	31-Aug-1998	1,013,039	07-Nov-2001
97RSS352/EP/FR	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98943473.3	31-Aug-1998	1,013,039	07-Nov-2001
97RSS352/EP/GB	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98943473.3	31-Aug-1998	1,013,039	07-Nov-2001
97RSS352/JP	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	2000-509159	31-Aug-1998		
97RSS352/PCT	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	98/17964	31-Aug-1998		
97RSS352/US	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	08/922,851	03-Sep-1997	6,212,247	03-Apr-2001
97RSS352/US/1	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	08/969,971	13-Nov-1997	6,332,009	18-Dec-2001
97RSS352/US/2	Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System	09/956,207	19-Sep-2001	6,504,886	07-Jan-2003
97RSS366/US	Method for Reducing CPU Burden in Monitoring Data Traffic for Escape Sequences	09/264,777	09-Mar-1999	6,542,537	01-Apr-2003
97RSS377/EP	Upstream PCM Transmission for a Modem System	00964944.3	05-Sep-2000		
97RSS377/PCT	Upstream PCM Transmission for a Modem System	00/24374	05-Sep-2000		
97RSS377/TW	Upstream PCM Transmission for a Modem System	89118287	07-Sep-2000		
97RSS377/US	Upstream PCM Transmission for a Modem System	09/395,726	10-Sep-1999	6,414,989	02-Jul-2002
97RSS380/CN	Bi-Directional Pitch Enhancement In Speech Coding Systems	00809972.3	31-Dec-2001		

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97RSS380/JP	Bi-Directional Pitch Enhancement In Speech Coding Systems	2001-508443	30-Jun-2000		
97RSS380/KR	Bi-Directional Pitch Enhancement In Speech Coding Systems	10-2001-7016919	29-Dec-2001		
97RSS380/PCT	Bi-Directional Pitch Enhancement In Speech Coding Systems	00/18232	30-Jun-2000		
97RSS380/TW	Bi-Directional Pitch Enhancement In Speech Coding Systems	89113106	01-Jul-2000	149501	20-May-2002
97RSS380/US	Bi-Directional Pitch Enhancement In Speech Coding Systems	09/365,444	02-Aug-1999		
97RSS380/US/1	Bi-Directional Pitch Enhancement In Speech Coding Systems	60/142,092	02-Jul-1999		
97RSS383/PCT	Speech Encoder Using Continuous Warping In Long Term Preprocessing	99/19175	24-Aug-1999		
97RSS383/TW	Speech Encoder Using Continuous Warping In Long Term Preprocessing	88114345	24-Aug-1999	136689	08-Nov-2001
97RSS383/US	Speech Encoder Using Continuous Warping In Long Term Preprocessing	09/154,675	18-Sep-1998	6,449,590	10-Sep-2002
97RSS416/EP	Apparatus and Method for Scheduling Multiple and Simultaneous Traffic in a Communication System	99909973.2	12-Mar-1999		
97RSS416/PCT	Apparatus and Method for Scheduling Multiple and Simultaneous Traffic in a Communication System	99/05513	12-Mar-1999		
97RSS416/US	Apparatus and Method for Scheduling Multiple and Simultaneous Traffic in a Communication System	09/044,384	18-Mar-1998	6,483,839	19-Nov-2002
97RSS417/PCT	Method and Apparatus for Implementing Short-Word Division Techniques in a Multiple Modulus Conversion Context	99/01520	26-Jan-1999		
97RSS417/US	Method and Apparatus for Implementing Short-Word Division Techniques in a Multiple Modulus Conversion Context	09/050,263	30-Mar-1998	6,065,030	16-May-2000
97RSS419/EP	Apparatus and Method for Providing Different Quality of Service Connections in a Tunnel Mode	99912475.3	12-Mar-1999		
97RSS419/EP/2	Apparatus and Method for Providing Different Quality of Service Connections in a Tunnel Mode	99924516.0	26-May-1999		

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97RSS419/PCT/2	Apparatus and Method for Providing Different Quality of Service Connections in a Tunnel Mode	99/11623	26-May-1999		
97RSS419/US	Apparatus and Method for Providing Different Quality of Service Connections in a Tunnel Mode	09/044,381	18-Mar-1998	6,262,989	17-Jul-2001
97RSS421/EP	Multiplier-Accumulator Configuration for Efficient Scheduling in a Digital Signal Processor	99945241.0	24-Aug-1999		
97RSS421/PCT	Multiplier-Accumulator Configuration for Efficient Scheduling in a Digital Signal Processor	99/19594	24-Aug-1999		
97RSS421/US	Multiplier-Accumulator Configuration for Efficient Scheduling in a Digital Signal Processor	09/172,527	14-Oct-1998	6,230,180	08-May-2001
97RSS432/US	Method for Handling Many ADSL Subscribers from a Single DSP in the Central Office	09/274,845	23-Mar-1999		
97RSS440/PCT	Method and Apparatus for Coding of Signals Containing Speech and Background Noise	99/12427	03-Jun-1999		
97RSS440/US	Method and Apparatus for Coding of Signals Containing Speech and Background Noise	09/092,663	05-Jun-1998	6,141,639	31-Oct-2000
97RSS446/US	Dual-Drive Coupling for Output Amplifier Stage	09/566,745	09-May-2000	6,369,653	09-Apr-2002
97RSS447/PCT	Echo Cancelling Method and Apparatus for Digital Data Communication System	US99/22708	29-Sep-1999		
97RSS447/US	Echo Cancelling Method and Apparatus for Digital Data Communication System	09/164,504	30-Sep-1998		
97RSS469/US	Methods and Apparatus for Distributing Mismatched Error Associated With Data Converter Elements	09/160,735	25-Sep-1998	6,218,977	14-Apr-2001
97RSS471/PCT	Method and Apparatus for Training an Echo Canceller in a PCM Modem Context	99/12629	08-Jun-1999		
97RSS471/US	Method and Apparatus for Training an Echo Canceller in a PCM Modem Context	09/095,689	10-Jun-1998	6,317,419	13-Nov-2001
97RSS559/US	Method and apparatus for efficient signaling in an atm environment	09/201,172	30-Nov-1998		

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98RSS001/EP	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98959615.0	25-Nov-1998	1048024	25-Sep-2002
98RSS001/EP/DE	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98959615.0-2218	25-Nov-1998	69808339.3-08	25-Sep-2002
98RSS001/EP/FR	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98959615.0	25-Nov-1998	1048024	25-Sep-2002
98RSS001/EP/GB	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98959615.0	25-Nov-1998	1048024	25-Sep-2002
98RSS001/JP	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	540536/2000	25-Nov-1998		
98RSS001/PCT	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	98/25254	25-Nov-1998		
98RSS001/US	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	09/006,422	13-Jan-1998	6,104,994	15-Aug-2000
98RSS001/US/1	Method for Coding Speech Containing Noise-Like Speech periods and/or Having Background Noise	09/420,876	19-Oct-1999	6,205,423	20-Mar-2001
98RSS007/EP	Efficient Forwarding Paths and Operand Sharing in a Digital Signal Processor	99951762.6	04-Oct-1999		
98RSS007/PCT	Efficient Forwarding Paths and Operand Sharing in a Digital Signal Processor	99/23062	04-Oct-1999		
98RSS007/US	Efficient Forwarding Paths and Operand Sharing in a Digital Signal Processor	09/173,257	14-Oct-1998	6,301,653	09-Oct-2001
98RSS011/PCT	System for Detecting Voice Activity and Background Noise/Silence in a Speech Signal Using Pitch and Signal to Noise Ratio Information	99/19806	27-Aug-1999		
98RSS011/TW	System for Detecting Voice Activity and Background Noise/Silence in a Speech Signal Using Pitch and Signal to Noise Ratio Information	88115784	14-Sep-1999	137523	21-Nov-2001
98RSS011/US	System for Detecting Voice Activity and Background Noise/Silence in a Speech Signal Using Pitch and Signal to Noise Ratio Information	09/156,416	18-Sep-1998	6,188,981	13-Feb-2001

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98RSS045/US	Speech Manipulation for Continuous Speech Playback Over a Packet Network	09/407,466	28-Sep-1999	6,377,931	23-Apr-2002
98RSS071/CA	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	2,330,876	29-Mar-1999		
98RSS071/EP	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99912928.1	29-Mar-1999	1076987	23-Oct-2002
98RSS071/EP/2	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	02005402.9	29-Mar-1999		
98RSS071/EP/DE	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99912928.1	29-Mar-1999	1076987	23-Oct-2002
98RSS071/EP/FR	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99912928.1	29-Mar-1999	1076987	23-Oct-2002
98RSS071/EP/GB	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99912928.1	29-Mar-1999	1076987	23-Oct-2002
98RSS071/JP	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	2000-549022	29-Mar-1999		
98RSS071/PCT	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	99/06749	29-Mar-1999		
98RSS071/US	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	09/075,719	11-May-1998	6,163,570	19-Dec-2000
98RSS071/US/1	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	09/740,567	18-Dec-2000	6,359,932	19-Mar-2002
98RSS071/US/2	Methods and Apparatus for Verifying Transmit Power Levels in a Signal Point Limited Transmission System	10/026,096	21-Dec-2001	6,570,932	27-May-2003
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98RSS135/PCT	Linecard Modem, the Next Modem Revolution	02/25704	12-Aug-2002		

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98RSS154/US	Method and Apparatus for Efficiently Transmitting Multiple Data Signals	09/358,198	21-Jul-1999		
98RSS166/PCT	Method and Apparatus for Transmitting Control Signals in a Data Communication System Having a Fully Digital Communication Channel	99/14465	25-Jun-1999		
98RSS166/US	Method and Apparatus for Transmitting Control Signals in a Data Communication System Having a Fully Digital Communication Channel	09/123,599	28-Jul-1998	6,421,375	16-Jul-2002
98RSS167/US	High Phase Margin Low Power Flip-Flop	09/583,441	31-May-2000	6,452,433	17-Sep-2002
98RSS171/PCT	Speech Coder Output Transformation Method for Reducing Audible Noise	99/17329	29-Jul-1999		
98RSS171/TW	Speech Coder Output Transformation Method for Reducing Audible Noise	88113089	31-Jul-1999		
98RSS171/US	Speech Coder Output Transformation Method for Reducing Audible Noise	09/127,881	31-Jul-1998		
98RSS171/US/1	Speech Coder Output Transformation Method for Reducing Audible Noise	09/657,260	07-Sep-2000		
98RSS176/PCT	High Isolation, Low Power High Speed Multiplexer Circuit	00/15857	09-Jun-2000		
98RSS176/US	High Isolation, Low Power High Speed Multiplexer Circuit	09/330,875	11-Jun-1999		
98RSS199/PCT	Low Complexity Speaker Verification Using SimplifiedHidden Markov Models with Universal Cohort Models and Automatic Score Thresholding	00/25954	21-Sep-2000		
98RSS199/US	Low Complexity Speaker Verification Using SimplifiedHidden Markov Models with Universal Cohort Models and Automatic Score Thresholding	09/408,453	30-Sep-1999	6,556,969	29-Apr-2003
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98RSS228/HK	Low Complexity Random Codebook Structure	01104674.4	07-Jul-2001		
98RSS228/PCT	Low Complexity Random Codebook Structure	99/19135	24-Aug-1999		
98RSS228/TW	Low Complexity Random Codebook Structure	88114341	21-Aug-1999	135276	23-Oct-2001
98RSS228/US	Low Complexity Random Codebook Structure	09/156,648	18-Sep-1998	6,480,822	12-Nov-2002

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98RSS264/US	Integrated Switching SAR	09/262,882	08-Mar-1999		
98RSS295/PCT	Robust Fast Search for Two-Dimensional Gain Vector Quantizer	99/19635	27-Aug-1999		
98RSS295/TW	Robust Fast Search for Two-Dimensional Gain Vector Quantizer	88115785	14-Sep-1999	137524	21-Nov-2001
98RSS295/US	Robust Fast Search for Two-Dimensional Gain Vector Quantizer	09/157,083	18-Sep-1998		
98RSS325/US	Adaptive Rate Speech Codec	60/097,569	24-Aug-1998		
98RSS328/PCT	Speech Encoder Using a Classifier for Smoothing Noise Coding	99/19275	24-Aug-1999		
98RSS328/TW	Speech Encoder Using a Classifier for Smoothing Noise Coding	88114348	24-Aug-1999		
98RSS328/US	Speech Encoder Using a Classifier for Smoothing Noise Coding	09/154,657	18-Sep-1998		
98RSS329/US	System and Method for Distributing Enhanced Telephony Service to Customer Premises Equipment	09/337,459	21-Jun-1999	6,546,098	08-Apr-2003
98RSS329/US/2	System and Method for Distributing Enhanced Telephony Service to Customer Premises Equipment	10/328,830	24-Dec-2002		
98RSS341/US	High Speed Modems that Connects Over ADPCM Channels at Data Rates Up to 40Kbps	60/100,330	15-Sep-1998		
98RSS341/US/2	High Speed Modems that Connects Over ADPCM Channels at Data Rates Up to 40Kbps	60/100,839	18-Sep-1998		
98RSS343/PCT	Speech Encoder Using Gain Normalization that Combines Open and Closed Loop Gains	99/19136	24-Aug-1999		
98RSS343/TW	Speech Encoder Using Gain Normalization that Combines Open and Closed Loop Gains	88114351	24-Aug-1999	141270	17-Jan-2002
98RSS343/US	Speech Encoder Using Gain Normalization that Combines Open and Closed Loop Gains	09/156,650	18-Sep-1998	6,260,010	10-Jul-2001
98RSS344/PCT	Pitch Determination Using Speech Classification and Prior Pitch Estimation	99/19134	24-Aug-1999		
98RSS344/TW	Pitch Determination Using Speech Classification and Prior Pitch Estimation	88114338	24-Aug-1999	136559	07-Nov-2001

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98RSS345/PCT	Adaptive Gain Reduction to Produce Fixed Codebook Target Signal	99/19590	24-Aug-1999		
98RSS345/US	Adaptive Gain Reduction to Produce Fixed Codebook Target Signal	09/154,663	18-Sep-1998	6,104,992	15-Aug-2000
98RSS364/US	Speech Coding Having Continuous Long Term Preprocessing without any Delay	09/410,218	30-Sep-1999	6,523,002	18-Feb-2003
98RSS365/CN	Completed Fixed Codebook for Speech Coder	01815639.8	17-Sep-2001		
98RSS365/EP	Completed Fixed Codebook for Speech Coder	99945238.6	24-Aug-1999		
98RSS365/EP/2	Completed Fixed Codebook for Speech Coder		17-Sep-2001		
98RSS365/HK	Completed Fixed Codebook for Speech Coder	01108698.7	11-Dec-2001		
98RSS365/KR	Completed Fixed Codebook for Speech Coder	2003-7003769	17-Sep-2001		
98RSS365/PCT	Completed Fixed Codebook for Speech Coder	01/01729	17-Sep-2001		
98RSS365/TW	Completed Fixed Codebook for Speech Coder	88114346	24-Aug-1999	141570	21-Jan-2002
98RSS365/US	Completed Fixed Codebook for Speech Coder	09/156,814	18-Sep-1998	6,173,257	09-Jan-2001
98RSS365/US/1	Completed Fixed Codebook for Speech Coder	09/663,242	15-Sep-2000	6,556,966	29-Apr-2003
98RSS365/US/2	Low-Complexity Fast Fixed Codebook Search	09/785,360	15-Feb-2001		
98RSS365/US/PCT	Completed Fixed Codebook for Speech Coder	02/01846	22-Jan-2002		
98RSS365/WO	Completed Fixed Codebook for Speech Coder	99/19591	24-Aug-1999		
98RSS366/PCT	System for Adaptive Excitation Pattern for Speech Coding	01/01733	17-Sep-2001		
98RSS366/US	System for Adaptive Excitation Pattern for Speech Coding	60/233,042	15-Sep-2000		
98RSS366/US/1	System for Adaptive Excitation Pattern for Speech Coding	09/761,033	16-Jan-2001		
98RSS381/US	Method for Transport of High Speed ATM Over Copper Interconnect	09/271,821	18-Mar-1999		
98RSS382/EP	Adaptive Tilt Compensation for Synthesized Speech Residual	99948061.9	24-Aug-1999		
98RSS382/PCT	Adaptive Tilt Compensation for Synthesized Speech Residual	99/19568	24-Aug-1999		
98RSS382/TW	Adaptive Tilt Compensation for Synthesized Speech Residual	88114347	24-Aug-1999	139489	20-Dec-2001

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98RSS383/PCT	Speech Classification and Parameter Weighting Used in Codebook Search	99/19133	24-Aug-1999		
98RSS383/TW	Speech Classification and Parameter Weighting Used in Codebook Search	88114352	24-Aug-1999		
98RSS383/US	Speech Classification and Parameter Weighting Used in Codebook Search	09/154,662	18-Sep-1998	6,493,665	10-Dec-2002
98RSS384/CN	System for Speech Encoding having an Adaptive Encoding Arrangement	01815640.1	17-Sep-2003		
98RSS384/EP	System for Speech Encoding having an Adaptive Encoding Arrangement	99945240.2	24-Aug-1999		
98RSS384/EP/2	System for Speech Encoding having an Adaptive Encoding Arrangement	01967600.6-2218	17-Sep-2001		
98RSS384/EP/GB	System for Speech Encoding having an Adaptive Encoding Arrangement				
98RSS384/HK	System for Speech Encoding having an Adaptive Encoding Arrangement	01104669.1			
98RSS384/KR	System for Speech Encoding having an Adaptive Encoding Arrangement	2003-7003771	17-Sep-2001		
98RSS384/PCT	System for Speech Encoding having an Adaptive Encoding Arrangement	01/01732	17-Sep-2001		
98RSS384/TW	System for Speech Encoding having an Adaptive Encoding Arrangement	88114337	24-Aug-1999	139488	20-Dec-2001
98RSS384/US	System for Speech Encoding having an Adaptive Encoding Arrangement	09/154,660	18-Sep-1998	6,330,533	11-Dec-2001
98RSS384/US/1	System for Speech Encoding having an Adaptive Encoding Arrangement	09/663,002	15-Sep-2000		
98RSS384/WO	System for Speech Encoding having an Adaptive Encoding Arrangement	99/19593	24-Aug-1999		
98RSS394/JP	Method and Apparatus for Quick Startup In A Half-Duplex Modem System	2000-295244	27-Sep-2000		

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98RSS406/PCT	Synchronized Encoder-Decoder Frame Concealment Using Speech Coding Parameters	99/19592	24-Aug-1999		
98RSS406/TW	Synchronized Encoder-Decoder Frame Concealment Using Speech Coding Parameters	88114350	24-Aug-1999		
98RSS406/US	Synchronized Encoder-Decoder Frame Concealment Using Speech Coding Parameters	09/154,653	18-Sep-1998	6,188,980	13-Feb-2001
98RSS412/PCT	Automatic Speech Recognition to Control Integrated Communications Devices	00/25329	15-Sep-2000		
98RSS412/TW	Automatic Speech Recognition to Control Integrated Communications Devices	89118843	08-Sep-2000		
98RSS412/US	Automatic Speech Recognition to Control Integrated Communications Devices	09/396,280	15-Sep-1999		
99RSS001/US	Bandgap Reference Voltage with Low Noise Sensitivity	09/390,072	03-Sep-1999	6,411,158	25-Jun-2002
99RSS006/US	Method and Apparatus for Transmitting Data between a Central Site and Multiple Data Subscribers	09/371,424	10-Aug-1999		
99RSS018/US	System For Use of Packet Statistics in De-Jitter Delay Adaption in A Packet Network	09/452,088	30-Nov-1999		
99RSS023/CN	Method and Apparatus for Early Detection of DTMF Signals in Voice Transmittions Over an IP Network	00817208.0	10-Jun-2002		
99RSS023/EP	Method and Apparatus for Early Detection of DTMF Signals in Voice Transmittions Over an IP Network	00970537.7	03-Oct-2000		
99RSS023/PCT	Method and Apparatus for Early Detection of DTMF Signals in Voice Transmittions Over an IP Network	00/27160	03-Oct-2000		
99RSS023/US	Method and Apparatus for Early Detection of DTMF Signals in Voice Transmittions Over an IP Network	09/418,397	14-Oct-1999		
99RSS039/EP	SILENCE DESCRIPTION CODING FOR MULTI-RATE SPEECH CODES	99958963.3	11-Dec-1999		

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99RSS039/PCT	SILENCE DESCRIPTION CODING FOR MULTI-RATE SPEECH CODES	99/26918	11-Dec-1999		
99RSS039/US	SILENCE DESCRIPTION CODING FOR MULTI-RATE SPEECH CODES	09/200,624	30-Nov-1998	6,256,606	03-Jul-2001
99RSS039/US/1	SILENCE DESCRIPTION CODING FOR MULTI-RATE SPEECH CODES	09/841,764	24-Apr-2001		
99RSS041/EP	System and Method of Scheduling Data Cells Based Upon Sustainable Cell Rate and Peak Cell Rate Over a Variable Bandwidth Channel	00965126.6	18-Feb-2002		
99RSS041/PCT	System and Method of Scheduling Data Cells Based Upon Sustainable Cell Rate and Peak Cell Rate Over a Variable Bandwidth Channel	00/25594	19-Sep-2000		
99RSS041/US	System and Method of Scheduling Data Cells Based Upon Sustainable Cell Rate and Peak Cell Rate Over a Variable Bandwidth Channel	09/406,965	28-Sep-1999	6,285,657	04-Sep-2001
99RSS050/US	technique for allowing speech coding to be used in thte public telephone network	09/405,583	27-Sep-1999	6,493,355	10-Dec-2002
99RSS050/US/2	technique for allowing speech coding to be used in thte public telephone network	10/280,768	25-Oct-2002		
99RSS064/US	System for Executing Computer Programs on a Limited-Memory Computing Machine	10/029,516	20-Dec-2001		
99RSS088/US	Methods and Apparatus for Implementing an Interpolation Finite Impulse Response (FIR) Filter for Use in Timing Recovery	09/588,142	02-Jun-2000		
99RSS104/EP	User Configurable Levels of Security for a Speaker Verification System	00968343.4-2212	07-Sep-2000		
99RSS104/PCT	User Configurable Levels of Security for a Speaker Verification System	00/24644	07-Sep-2000		
99RSS104/US	User Configurable Levels of Security for a Speaker Verification System	09/409,942	30-Sep-1999		
99RSS114/US	Methods and Apparatus for Data Communications Through Packet Networks	09/553,773	21-Apr-2000		
99RSS114/US/1	Methods and Apparatus for Data Communications Through Packet Networks	60/130,433	21-Apr-1999		

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99RSS119/US	Efficient Use of Wire for Data Communication Systems	09/461,143	14-Dec-1999		
99RSS146/US	Mechanism to Pass Interactive Data of a Modem Link with Low Latency (eg for VOIP)	09/416,466	12-Oct-1999		
99RSS171/US	Operating System Independent Method and Apparatus for Transporting Voice-Over-Network Data	09/370,792	05-Aug-1999		
99RSS173/US	Method and Apparatus for Improving Performance of Facsimile Transmissions Over IP Networks	09/411,508	04-Oct-1999		
99RSS181/EP	Quick Connect Parameter Exchange	00947479.2	18-Jul-2000		
99RSS181/PCT	Quick Connect Parameter Exchange	00/10483	19-Apr-2000		
99RSS181/US	Quick Connect Parameter Exchange	09/361,842	27-Jul-1999		
99RSS183/EP	Methods and Apparatus for Data Communications through Packet Networks	00650030.0	12-Apr-2000		
99RSS183/US	Methods and Apparatus for Data Communications through Packet Networks	09/547,119	11-Apr-2000		
99RSS183/US/1	Methods and Apparatus for Data Communications through Packet Networks	60/128,844	12-Apr-1999		
99RSS183/US/2	Methods and Apparatus for Data Communications through Packet Networks	60/130,416	21-Apr-1999		
99RSS216/US	Spectrally Flat Time Domain Equalizer and Methods	09/665,784	20-Sep-2000		
99RSS219/CN	Method for Robust Classification in Speech Coding	01814418.7	17-Aug-2001		
99RSS219/EP	Method for Robust Classification in Speech Coding		17-Aug-2001		
99RSS219/JP	Method for Robust Classification in Speech Coding	2002-521281	17-Aug-2001		
99RSS219/PCT	Method for Robust Classification in Speech Coding	01/01490	17-Aug-2001		
99RSS219/US	Method for Robust Classification in Speech Coding	09/643,017	21-Aug-2000		
99RSS227/US	Method for Speech Coding Using SNR	09/640,841	16-Aug-2000		
99RSS230/US	Dynamic Signal Detector System and Method	09/628,891	31-Jul-2000		
99RSS242/PCT	Framing and Alignment for Speech Mixing in a Conference Bridge or Multi-standard Transcoder	03/06335	26-Feb-2003		

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99RSS242/US/1	Framing and Alignment for Speech Mixing in a Conference Bridge or Multi-standard Transcoder	60/128,873	12-Apr-1999		
99RSS242/US/2	Framing and Alignment for Speech Mixing in a Conference Bridge or Multi-standard Transcoder	10/145,533	13-May-2002		
99RSS244/US	System and Method for Performing Power Management without Losing Data, Connectivity or Reachability	09/579,343	25-May-2000	6,577,866	10-Jun-2003
99RSS244/US/2	System and Method for Performing Power Management without Losing Data, Connectivity or Reachability	10/228,586	27-Aug-2002		
99RSS262/US	Error Propagation Recovery in Communication Devices	09/409,365	30-Sep-1999		
99RSS268/US	System Interface Abstraction Layer	09/410,150	30-Sep-1999		
99RSS269/US	Chip Abstraction Layer	09/409,125	30-Sep-1999		
99RSS274/EP	Voice Activity Detection Speech Coding to Accommodate Music Signals	00945359.8	13-Jul-2000		
99RSS274/JP	Voice Activity Detection Speech Coding to Accommodate Music Signals	2001-514418	28-Jan-2002		
99RSS274/PCT/1	Voice Activity Detection Speech Coding to Accommodate Music Signals	00/19050	13-Jul-2000		
99RSS274/US	Voice Activity Detection Speech Coding to Accommodate Music Signals	09/526,017	15-Mar-2000		
99RSS274/US/1	Voice Activity Detection Speech Coding to Accommodate Music Signals	60/146,435	29-Jul-1999		
99RSS281/US	Automated Translation of a Microprocessor Opcode Summary Table to an Architecture Description Language	09/516,318	01-Mar-2000		
99RSS282/US	System and Method for Synchronized Control of System Simulators with Multiple Processor Cores	09/571,924	16-May-2000		
99RSS289/US	Dual-Drive Coupling for Output Amplifier Stage	09/688,628	16-Oct-2000	6,388,523	14-May-2002
99RSS293/CN	Flexible Variable Rate Vocoder for Wireless Communication Systems	01813523.4	27-Jul-2001		
99RSS293/EP	Flexible Variable Rate Vocoder for Wireless Communication Systems		26-Jul-2001		

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99RSS308/US	Approach to Cycle-Accurate Coverification Modeling of Cycle-based Components	09/512,937	25-Feb-2000		
99RSS312/AU	A New Speech Gain Quantization Strategy	2001255422	30-Sep-2002		
99RSS312/BR	A New Speech Gain Quantization Strategy	PI0110831-0	16-Apr-2001		
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99RSS312/EP	Gains Quantization For A CELP Speech Coder	01928580.8	16-Apr-2001		
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99RSS340/US	Fax Over Internet Protocol Client Driver	09/678,363	29-Sep-2000		
99RSS341/US	Smart Training and Smart Scoring in SD Speech recognition System with User-Defined Vocabulary	09/522,448	09-Mar-2000	6,535,850	18-Mar-2003
99RSS345/PCT	Apparatus and Method for Servo-Controlled Self-Centering Phase Detector	00/18993	13-Jul-2000		
99RSS345/US	Apparatus and Method for Servo-Controlled Self-Centering Phase Detector	09/615,631	13-Jul-2000	6,316,966	13-Nov-2001
99RSS372/US	Apparatus and Method for Reducing Power Consumption in a Cache	09/654,811	05-Sep-2000	6,535,959	18-Mar-2003
99RSS373/US	Method and Apparatus Using Harmonic Modeling in an Improved Speech Decoder	09/624,187	25-Jul-2000	6,466,904	15-Oct-2002
99RSS374/PCT	Method and Apparatus for Improved noise Reduction In A Speech Encoder	01/43351	19-Nov-2001		
99RSS374/US	Method and Apparatus for Improved noise Reduction In A Speech Encoder	09/723,616	27-Nov-2000		
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99RSS383/US	A 2.5GHz Programmable CML Logic Bit-Error-Rate Estimator for SONET Applications	09/561,014	28-Apr-2000		
99RSS389/US	Sixed Code Book with Embedded Adaptive Code Book	10/166,315	10-Jun-2002		
99RSS391/GB	Voiced Speech Preprocessing Employing Waveform Interpolation of a Harmonic Model				
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99RSS399/US	Adaptive Analog Equalizer	10/078,524	21-Feb-2002		
99RSS408/US	Linear Prediction Based Noise Suppression	10/122,964	11-Apr-2002		
99RSS413/US	Packet Communication Scheduling with Hierarchical Tunnels	09/578,967	25-May-2000		
99RSS414/US	System and Method for Transmitting a Facsimile Via A Network	09/784,569	15-Feb-2001	6,480,585	12-Nov-2002
99RSS414/US/2	System and Method for Transmitting a Facsimile Via A Network	10/230,475	29-Aug-2002		
99RSS427/US	System and Method for Selecting A Data Transmission Mode	09/656,804	07-Sep-2000		
99RSS428/PCT	Speech Coding System with a Music Classifier	02/01847	22-Jan-2002		
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99RSS432/US	Circuit and Method for Unlimited Range Frequency Acquisition	09/609,569	30-Jun-2000	6,331,792	18-Dec-2001
99RSS444/US/0	Processing Diagnostic And Identification Data In An Analog Modem System	60/153,897	14-Sep-1999		
99RSS444/US/1	Processing Diagnostic And Identification Data In An Analog Modem System	09/662,405	14-Sep-2000		
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99RSS466/US	Apparatus and Method for Issue Grouping of Instructions in a VLIW Processer	09/595,791	16-Jun-2000	6,415,376	02-Jul-2002
99RSS466/US/2	Apparatus and Method for Issue Grouping of Instructions in a VLIW Processer	10/085,437	28-Feb-2002		
99RSS467/US	A Low-Power Instruction Prefetch FIFO for Zero-Overhead Loops VLIW DSP Processor	09/829,823	10-Apr-2001		
99RSS472/US	A New Addressing Scheme with Multiple Circular Buffers for Convolutional Interleaving and Deinterleaving	09/929,500	14-Aug-2001		
99RSS475/US	An Area and Power Efficient Bussing Scheme for Dispatching Register Operands to Multiple Execution Units in a Wide-Issue VLIW DSP Processor	10/085,724	28-Feb-2002		
99RSS476/US	Link Layer Controller that Provides a Memory Status Signal to a Network Layer System in a Communication Device	09/619,736	19-Jul-2000		
99RSS485/US	4-KBITS/S Speech Coding	09/663,662	15-Sep-2000		
99RSS485/US/1	4-KBITS/S Speech Coding	60/155,321	22-Sep-1999		
99RSS488/US	Method and System for Encoding A Composite VLIW Packet	09/569,891	11-May-2000		
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99RSS489/US	Precoding for Resource-Limited Transceivers	09/675,552	27-Sep-2000		
99RSS489/US/1	Precoding for Resource-Limited Transceivers	60/156,175	27-Sep-1999		