PATENT ASSIGNMENT

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Rockwell Science Center, LLC	12/10/1998

RECEIVING PARTY DATA

Name:	Conexant Systems, Inc.
Street Address:	4311 Jamboree Road
City:	Newport Beach
State/Country:	CALIFORNIA
Postal Code:	92660

PROPERTY NUMBERS Total: 2

Property Type	Number
Patent Number:	5940686
Patent Number:	5870438

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	CONEXANT
NAME OF SUBMITTER:	Monique M. Heyninck

Total Attachments: 9
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ASSIGNMENT OF INVENTIONS AND PATENT APPLICATIONS

WHEREAS, Rockwell Science Center, LLC ("Assignor"), a limited liability company organized and existing under the laws of the State of Delaware, desires to assign to Conexant Systems, Inc., ("Assignee"), a corporation organized and existing under the laws of the State of Delaware, certain inventions and patent applications of Assignor; and
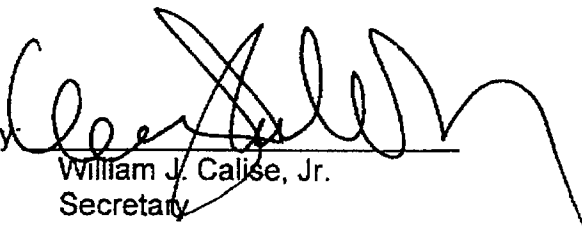
WHEREAS, Assignor is the owner of or has rights in, those inventions and patent applications which are used primarily in or relate to the semiconductor business conducted by Assignee, including those inventions and patent applications listed on the Schedule attached hereto ("Contributed Inventions and Patent Applications").
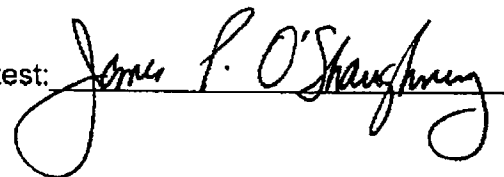
NOW THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by Assignor, said Assignor does hereby sell, grant, assign, convey and transfer unto the said Assignee, Assignor's entire right, title and interest in and to the Contributed Inventions and Patent Applications, including any applications or patents arising therefrom or any continuations or divisions thereof, any and all re-examinations or reissues 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 and patent applications in whatever jurisdictions in which the same exist along with all rights of priority and the right to file applications for patents based thereon and to prosecute such applications and receive patents 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 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.

Assignor hereby appoints Assignee its attorney-in-fact to act in Assignor's name, place and stead to execute, deliver and record any document or instrument of assignment required in any country in which any of the Contributed Inventions and Patent Applications are pending or issued, granting or confirming the rights granted herein, but only to the extent of those rights granted herein in connection with the Contributed Inventions and Patents.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be duly executed on this _10th_ day of December 1998.

Rockwell Science Center, LLC

By: _____
William J. Calise, Jr.
Secretary

Attest: _____

(Company Seal)

Schedule of Contributed Inventions and Patent Applications
United States

Status	Serial No.	File Date	Title
Pending	887,193	05/21/92	Distribution Of Modem Error Correction And Compression Processing
Pending	917,872	07/23/92	Streamer For RISC Digital Signal Processor
Pending	289,061	08/11/94	Phase Estimation And Synchronization Using A PSK Demodulator
Pending	319,696	10/07/94	Gaas HBT Tri-Level Logic Circuit
Pending	94/11630	10/31/94	Frame Structure Using Consecutive Slot Assignments For Mobile
Pending	94/12649	11/02/94	Adaptive Error Control For ADPCM Speech Coders
Pending	427,017	04/24/95	Method And Apparatus For Coupling Multiple Independent On-Chip Vdd Busses To An ESD Core...
Pending	467,311	06/06/95	Controller For ATM Segmentation And Reassembly
Pending	472,861	06/07/95	Method And System For Data Symbol Scrambling
Pending	514,509	08/11/95	Method And Apparatus For Controlling The Wakeup Logic Of A Radio Receiver In Sleep Mode
Pending	537,491	10/02/95	System And Method For Capturing And Transferring Selected Portions Of A Video Stream In A Computer System
Pending	95/13705	10/27/95	System And Method For Generating Video In A Computer System
Pending	95/13865	10/27/95	System And Method For Command Processing And Data Transfer In A Computer System For Sound Or The Like
Pending	95/14119	10/30/95	Universal Radio Architecture For Low-Tier Personal Communication System
Pending	568,210	12/06/95	Gain Imbalance Compensation For A Quadrature Receiver In A Cordless Direct Sequence Spread...
Pending	568,047	12/06/95	12 Chip Coded Spread Spectrum Modulation For Direct Conversion Radio Architectures In A Digital Cordless Telephone
Pending	568,330	12/06/95	Method And Apparatus For Signal Quality Estimation In A Direct Sequence Spread Spectrum...
Pending	568,049	12/06/95	Audio Mute For Digital Cordless Telephone
Pending	568,843	12/07/95	Echo Canceling Method And Apparatus In A Communication Device
Pending	568,840	12/07/95	Selective Configuration Of Operating Programs Stored In An Application Specific Integrated Circuit
Pending	568,714	12/07/95	Microprocessor System With Flexible Instruction Controlled By Prior Instruction
Pending	616,059	03/14/96	Method And Apparatus For Power Management Using Power Control
Pending	617,452	03/18/96	Improved Performance Cmos Process
Pending	620,858	03/18/96	Active First CMOS Process Flow With Blanket NFET Punchthrough And P-LDD Implants
Pending	629,926	04/12/96	Method For Manufacturing Multi-Chip Modules Utilizing Direct Lead Attach
Pending	08/629926	04/12/96	Method of Manufacturing Multi-chip Modules Utilizing Direct Lead Attach
Pending	632,931	04/16/96	Communications System Utilizing Non-Fixed Buffer Size
Pending	96/07145	05/17/96	Bipolar Analog Multipliers For Low Voltage Applications
Pending	650,820	05/20/96	System For Recording Video And Graphics
Pending	653,185	05/24/96	Remote Hang Up Detector
Pending	665,783	06/18/96	Integrated Circuit Device With Embedded Flash Memory And Method For Manufacturing Same
Pending	96/12445	07/29/96	Receiver With Filter Offset Correction
Pending	692,552	08/06/96	Method And Apparatus Of Employing Voice Detection To Reduce Hand-Off
Pending	96/13024	08/09/96	Near Direct Conversion Receiver And Method For Equalizing Amplitude And Phase Therein
Pending	702,780	08/23/96	Signal Compression Using Index Mapping Technique For The Sharing Of Quantization Tables
Pending	707,029	09/10/96	Sample Interpolator And Method Of Generating Additional Samples Of A Sampled Waveform Using A Programmable Sample Divider
Pending	721,149	09/26/96	Fast Resynchronization System For High-Speed Data Transmission
Pending	721,410	09/26/96	Low Bit-Rate Speech Coder Using Adaptive Open-Loop Subframe Pitch Lag Estimation And Quantization
Pending	724,168	09/30/96	Distributed Decimation Sample Rate Conversion
Pending	720,891	10/03/96	Multimedia System And Method
Pending	726,187	10/04/96	System For Dynamically Adapting The Length Of A Filter
Pending	96/18048	11/12/96	Dual Source For Constant And PTAT Current
Pending	746,731	11/15/96	Method And Apparatus For Spectral Shaping In Signal-Point Limited Transmission Systems

Schedule of Contributed Inventions and Patent Applications
United States

Status	Serial No.	File Date	Title
Pending	752,016	11/19/96	Effectively Differential, Multiple Input Or/Nor Gate Architecture
Pending	752,767	11/20/96	Intermediate Frequency Amplifier Circuit For Use In Receive And Transmit
Pending	757,288	11/27/96	System For, And Method Of, ATM Segmentation And Reassembly Of Cells Providing Streaming Data
Pending	756,383	11/27/96	System For Controlling And Shaping The Spectrum And Redundancy Of Signal-Point Limited Transmission
Pending	756,950	12/02/96	Improvements In Asynchronous Transfer Mode System An Method
Pending	759,057	12/02/96	Scheduler Utilizing Dynamic Schedule Table
Pending	767,109	12/04/96	Apparatus And Method For Providing Fire Wall Protection For Systems In Communication With An Asynchronous Transfer Mode System
Pending	760,646	12/04/96	Methods And Apparatus For Implementing Shell Mapping Techniques In The Context Of A PCM-Based Modem Communication System
Pending	764,692	12/11/96	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
Pending	779,084	01/06/97	A Control Channel For Modems
Pending	783,777	01/15/97	System And Method For Generating Video In A Computer System
Pending	798,240	02/12/97	Methods And Systems For Displaying Interlaced Video On Non-Interlaced
Pending	799,995	02/13/97	Video Signal Coding Systems And Process Using Adaptive Quantization
Pending	802,042	02/18/97	A Perceptually Motivated Constrained Trellis Based Rate Control Method And Apparatus For Low Bit Rate Video Coding
Pending	808,071	02/28/97	Communications System Utilizing Non-Fixed Buffer Size
Pending	97/03962	03/13/97	Method And Apparatus For Power Management Using Power Control
Pending	828,482	03/31/97	Orthogonal LMS Algorithms For Fast Line Echo Canceler Training
Pending	97/05850	04/10/97	Method For Manufacturing Multi-Chip Modules Utilizing Direct Lead Attach
Pending	838,899	04/11/97	Sample Rate Conversion For Synchronous Variable Rate
Pending	97/00123	04/13/97	Communications System Utilizing Non-Fixed Buffer Size
Pending	845,594	04/25/97	System For, And Method Of, Establishing Priorities In Transferring Data From A Memory To A Plurality Of Stages
Pending	853,297	05/09/97	Receiver Engine For Global Positioning System
Pending	861,669	05/22/97	Receiver Of Wideband Digital Signal In The Presence Of A Narrow Band Interfering Signal
Pending	862,046	05/22/97	Satellite Acquisition And Measurement System And Process
Pending	864,659	05/28/97	Full Featured Data Access Arrangement For Use With Modems
Pending	874,316	06/13/97	Method And Apparatus For Training Linear Equalizers In A PCM Modem
Pending	97/10395	06/17/97	Integrated Circuit Device With Embedded Flash Memory And Method For Manufacturing Same
Pending	884,271	06/26/97	A Multi-Dimensional Combined Equalizer And Decoder
Pending	888,910	07/07/97	System And Method For Command Processing Or Emulation In A Computer System, Such As Emulation Of DMA Commands Using Burst Mode . . .
Pending	888,817	07/07/97	Single Piece Integrated Package And Optical Lid
Pending	892,445	07/14/97	Segmented Nfet With Well Resistor
Pending	892,446	07/14/97	A Method And System For Achieving Faster Asymmetric Data Transmission Through The Public Telephone Network
Pending	892,444	07/14/97	Ultra-Clean Voltage Power Supply Generator
Pending	901,112	07/28/97	A Multi-Rate Switching Physical Device For A Mixed Communication Rate Ethernet Repeater
Pending	97/13506	07/31/97	Clock Signal Frequency Multiplier
Pending	912,547	08/18/97	Fast Ethernet Combination Chaining Of Auto- Negotiations For Multiple Physical Layer Capability
Pending	918,941	08/25/97	Sample Interpolator And Method Of Generating Additional Samples Of A Sampled Waveform Using A Programmable Sample Divider
Pending	920,742	08/29/97	Multi-Function Universal Controller And Locator Systems
Pending	920,846	08/29/97	Method And Apparatus For Sensing An Audio Signal That Is Sensitive To The Audio Signal And Insensitive To Background Noise
Pending	922,851	09/03/97	Method And Apparatus For Generating A Programmable Synchronization Signal For A Data Communication System
Pending	923,447	09/04/97	First Party Signalling For Call Waiting Calling Number Identification (CWCID)

Schedule of Contributed Inventions and Patent Applications
United States

Status	Serial No.	File Date	Title
Pending	923,722	09/04/97	Retransmission Packet Capture System Within A Wireless Multiservice Communications Environment
Pending	925,552	09/08/97	4X4 Dimensional Block Modulation Code For A PAM-5 Constellation
Pending	928,409	09/12/97	Auto-Reference Pseudo-Flash Analog To Digital Converter
Pending	929,694	09/15/97	Method And Apparatus For Mitigating Multipath Effects And Smoothing Groundtracks In A GPS Receiver
Pending	929,960	09/15/97	Surge Protection Data Access Arrangement (Daa)
Pending	931,033	09/16/97	A Method And System For Achieving Improved Data Transmission Through The Public Switched Telephone Network
Pending	97/00315	09/26/97	System For Dynamically Adapting The Length Of
Pending	940,630	09/30/97	Battery Management System With Current Measurement Across On-Resistance Of Semiconductor Cutout Switch
Pending	941,488	09/30/97	Multi-Layer Carrier Module For Power Amplifier Systems Within A Digital Cellular Telephone
Pending	940,046	09/30/97	Universal Inter-Device Data Transfer Using Radio Frequency Communication
Pending	940,051	09/30/97	Field Unit For Use In A GPS System
Pending	943,484	10/03/97	Splitterless Asymmetric Digital Subscriber Line Communication System
Pending	959,588	10/29/97	Power Management System For A Mobile Station
Pending	965,843	11/07/97	Dualband Power Amplifier Control Using A Single Power Amplifier Controller
Pending	969,971	11/13/97	Method And Apparatus For Generating A Line Impairment Learning Signal For A Data Commission System
Pending	972,311	11/18/97	Apparatus For And Method Of Improving Efficiency Of Transceivers In Radio Products
Pending	972,960	11/19/97	Methods And Apparatus For Optimizing Shell Mapping Techniques Using An Approximated Power Cost Function
Pending	974,874	11/20/97	A System And Method For A Monolithic Directional Microphone Array
Pending	980,654	12/01/97	Adaptive Entropy Coding In Adaptive Quantization Framework For Video Signal Coding Systems And Processes
Pending	08/980,654	12/01/97	Adaptive Entropy Coding in Adaptive Quantization Framework for Video Signal Coding Systems and Processes
Pending	982,421	12/02/97	Modulation Switching For Splitterless ADSL Transmission
Pending	982,400	12/02/97	Constant Envelope Modulation For Splitterless ADSL Transmission
Pending	988,548	12/10/97	Digital Video Converter Box For Subscriber/Home With Multiple Television Sets
Pending	990,279	12/15/97	Cable Modem Optimized For High-Speed Data Transmissions From The Home To The Cable Head
Pending	992,034	12/17/97	A Non-Coherent Frequency Shift Keying Detection Scheme
Pending	995,209	12/19/97	Method And Apparatus For Multi-Way Conference Calling With A Full-Duplex Speakerphone And A Digital Wireless Communication Interface
Pending	97/23764	12/20/97	Digital Video Converter Box For Subscriber/Home With Multiple Television Sets
Pending	995,619	12/22/97	Wireless Test Apparatus For Integrated Circuit Die
Pending	995,618	12/22/97	Wireless Inter-Chip Communication System And Method
Pending		01/08/98	Method Of Fabricating Suspended Single Crystal Silicon Micro Electro Mechanical System (MEMS) Devices
Pending	5,565	01/12/98	Economic Supply And Mixing Method For Multiple Component CMP Slurries
Pending	6,422	01/13/98	Method For Speech Coding Under Background Noise Conditions
Pending	6,972	01/14/98	Pre-Quantization In Motion Compensated Video Coding
Pending		01/15/98	Coding Of Facial Animation Parameters (Faps) For Transmission Of Synthetic Talking Head Video Over Band Limited Channels
Pending	98/00819	01/16/98	Internal Testability Sytem For Microprocessor- Based Integrated Circuit
Pending	9,662	01/20/98	Small-Format Subsystem For Broadband Communication Services
Pending	9,228	01/20/98	Method And Apparatus For Synchronizing A Data Communication System To A Periodic Digital Impairment
Pending	98/00037	01/26/98	Communications System Utilizing Non-Fixed Buffer Size
Pending	13,671	01/26/98	Method And Apparatus For Implementing Enhanced Multiple Modulus Conversion Techniques In A Signal Point Mapping Context
Pending	13,235	01/26/98	Dual Mode Phone Architecture Utilizing A Single Transmit-Receive Switch
Pending	73,087	01/30/98	Method And Apparatus For 3-D Compression And 3-D Mesh Coding
Pending	16,195	01/30/98	Improved Stability And Enhanced Gain Of Amplifiers Using Inductive Coupling

Schedule of Contributed Inventions and Patent Applications

United States

Status	Serial No.	File Date	Title
Pending	98/02248	02/05/98	A Perceptually Motivated Constrained Trellis Based Rate Control Method And Apparatus For Low Bit Rate Video Coding
Pending		02/10/98	Bitstream Protocol For The Integration Of Text And Graphics In Multi-Media Applications
Pending	21,898	02/11/98	Method And Apparatus For Enhanced Performance In A System Employing Convolutional Decoding
Pending	21,896	02/11/98	Convolution Decoding Terminated By An Error Detection Block Code With Distributed Parity Bits
Pending		02/13/98	View Dependent Scalability To Reduce Transmission Delay For Rendering Texture Data In A Remote 3D Space
Pending	25,962	02/19/98	A Method And An Apparatus For Positioning System Assisted Cellular Radiotelephone Handoff And Dropoff
Pending	26,619	02/20/98	Cellular Radiotelephone Having Answering Machine/ Voice Memo Capability With Parameter-Based Speech Compression And Decompression
Pending	28,016	02/23/98	Method Of And Apparatus For Performing Line Characterization In A Non-Idle Mode In A Subscriber Line Communication System
Pending	28,141	02/23/98	Digital Subscriber Line Modem Utilizing Echo Cancellation To Reduce Near-End Cross-Talk Noise
Pending	28,023	02/23/98	Method Of And Apparatus For Performing Line Characterization In A Subscriber Line Communication System
Pending	28,210	02/23/98	Communication System Utilizing Reed-Solomon Code To Achieve Auto Frame Synchronization Acquisition
Pending	34,819	03/04/98	A Method And Apparatus For Compensating For Geometric Distortion Caused By A Lensing System In Digital Image Detector
Pending	36,258	03/06/98	Front End Filter Circuitry For A Dual Band GSM/DCS Cellular Phone
Pending	36,397	03/06/98	Method And Apparatus For Automatic Gain Control With Improved Response Time And Stability
Pending	36,955	03/09/98	Dual Band Phone System Requiring Fewer Saw Filter Packages
Pending	38,724	03/10/98	Retransmission Packet Capture System Within A Wireless Multiservice Communications Environment With Turbo Decoding
Pending	38,213	03/11/98	System For, And Method Of, Adjusting The Phases Of Clock Signals To Correspond To The Phases Of Digital Signals Representing Input Words
Pending	40,225	03/13/98	Non-Linear Constant Envelop Modulator And Transmit Architecture
Pending	44,381	03/18/98	Apparatus And Method For Providing Different Quality Of Service Connections In A Tunnel Mode
Pending	44,384	03/18/98	Apparatus And Method For Scheduling Multiple And Simultaneous Traffic In A Communication System
Pending	44,281	03/19/98	Modulation Technique For Multi-Band Applications
Pending	45,276	03/20/98	Integrated Lithium Battery Protection Circuit
Pending	46,060	03/23/98	Traffic Channel Quality Estimation From A Digital Control Channel
Pending	46,010	03/23/98	Use Of Converging Beams For Transmitting Electromagnetic Energy To Power Devices For Die Testing
Pending	46,011	03/23/98	Method And Apparatus For Wireless Testing Of Integrated Circuits
Pending	47,242	03/24/98	Voltage Upconverter For Portable TDMA Radio Products
Pending	47,802	03/25/98	System For Controlling And Shaping The Spectrum And Redundancy Of Signal-Point Limited Transmission
Pending	50,263	03/30/98	Method And Apparatus For Implementing Short-Word Division Techniques In A Multiple Modulus Conversion Context
Pending	98/06505	03/31/98	Orthogonal LMS Algorithms For Fast Line Echo Canceler Training
Pending	56,572	04/07/98	Power Management System For A Mobile Unit By Intelligent Page Monitoring
Pending	56,573	04/07/98	Digital Video Teleconferencing Camera
Pending	57,423	04/08/98	Compact Low-Noise Active Pixel Sensor With Progressive Row Reset
Pending	57,202	04/08/98	Low Noise Active Pixel Sensor For Imaging Arrays With Global Reset
Pending	57,124	04/08/98	RF Architecture For Cellular Dual Band Telephone
Pending	86,535	04/14/98	Cellular Telephone
Pending	60,426	04/14/98	Integrated Power Management Module
Pending	62,834	04/20/98	Perceptually Motivated Wavelet-Based Coder For Low Bit-Rate Video Coding
Pending	64,114	04/21/98	Low Voltage Medium Power Class C Power Amplifier With Precise Gain Control

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Schedule of Contributed Inventions and Patent Applications

United States

Status	Serial No.	File Date	Title
Pending		04/24/98	Mesh Coding Using Video Coding Tools
Pending	70,372	04/30/98	Apparatus For Reducing Cool Chamber Particles
Pending	70,314	04/30/98	Improved Physical Vapor Deposition Chamber
Pending	72,198	05/04/98	A System And Method For Extending The Range Of A Base Unit
Pending	73,779	05/06/98	Leadframe Having A Paddle With An Isolated Area
Pending	73,725	05/07/98	Enhanced Keypad Control For Portable Communication Device
Pending	75,451	05/08/98	Programmable Data Access Arrangement Having Combined Command Signals
Pending	74,896	05/08/98	Data Access Arrangement Having Combined Remote Hang-Up/Ring Detection Circuitry
Pending	75,719	05/11/98	Methods And Apparatus For Verifying Transmit Power Levels In A Signal Point Limited Transmission System
Pending	80,013	05/15/98	System And Method For Adaptive Multi-Rate (AMR) Vocoder Rate Adaptation
Pending	81,541	05/19/98	Active Pixel Sensor With Capacitorless Correlated Double Sampling
Pending	81,542	05/19/98	High-Linearity, Low-Spread Variable Capacitance Array
Pending	81,702	05/20/98	Wide Frequency Range Couplers And Detectors For Power Detection In Multiple Frequency Band Systems
Pending	82,929	05/21/98	System And Method For Providing An Enhanced Audio Quality Telecommunication Session
Pending	83,474	05/22/98	Single Paddle Having A Semiconductor Device And A Passive Electronic Component
Pending	84,534	05/26/98	Power Management System For A Mobile Unit By Reduced Neighbor Cell
Pending	98/10613	05/26/98	Full Featured Data Access Arrangement For Use With Modems
Pending	86,617	05/27/98	Method For Implementing An Inband Capabilities Negotiation
Pending		05/28/98	Programmable Multi-Band Oscillators
Pending	87,736	05/29/98	Method And System For Combining Multiple Images Into A Single Higher-Quality Image
Pending	87,315	05/29/98	Double Balance Differential Active Ring Mixer With Current Shared Active Rf Input Balun
Pending	87,238	05/29/98	Apparatus And Method For Providing Multiple And Simultaneous Quality Of Service Connections In A Tunnel Mode
Pending	88,629	06/02/98	Method And Apparatus For Deriving Power From A Clock Signal Copuled Through A Transformer
Pending	92,663	06/05/98	Signal Decomposition For Speech Coding
Pending	95,689	06/10/98	Method And Apparatus For Training An Echo Canceller In A PCM Modem
Pending	95,519	06/10/98	Synthesizer System Utilizing Mass Storage Devices For Real Time, Low Latency Access Of Musical Instrument Digital Samples
Pending	96,851	06/11/98	System And Method For Performing Telephone Line-In-Use Detection, Extension Pick-Up Detection Remote Hang-Up Detection In A Modem
Pending	94,735	06/15/98	A Battery Charger And Power Source Employing An Environmental Energy Extractor And A Method Related Thereto
Pending	98/12735	06/18/98	Splitterless Asymmetric Digital Subscriber Line Communication System
Pending	103,417	06/24/98	Polarization-Adaptive Antenna Transmit Diversity System
Pending	103,898	06/24/98	Dual Band Cellular Phone With Two Power Amplifiers And A Current Detector For Monitoring The Consumed Power
Pending	103,899	06/24/98	Cellular Phone With A Logarithmic Detector
Pending	103,897	06/24/98	Dual Band Cellular Phone With Two Power Amplifiers And Power Control Circuit Therefore
Pending	103,421	06/24/98	Method And Apparatus For Detecting And Correcting Errors Using Cyclic Redundancy Check
Pending	103,418	06/24/98	Method And Apparatus For limproving Modulation Accuracy
Pending	104,732	06/25/98	Power Management For A Telephone System By Dynamically Adjusting Transmission Power
Pending	106,325	06/29/98	High Speed Sensing Of Dual Port Static RAM Cell
Pending	109,987	06/30/98	System And Method For Wireless Voice And Computer Communications
Pending	107,733	06/30/98	Direct Conversion Time Division Duplex, Radio, Direct Sequence Spread Spectrum Cordless Telephone
Pending	108,459	07/01/98	Method And Apparatus For Adjusting Phase Offset In A Phase Locked Loop
Pending	108,947	07/01/98	Phase Interpolated Fractional-N Frequency Synthesizer With On-Chip Tuning

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Schedule of Contributed Inventions and Patent Applications
United States

Status	Serial No.	File Date	Title
Pending	108,628	07/01/98	Envelope Feedforward Technique With Power Control For Efficient Linear RF Power Amplification
Pending	91,551	07/02/98	Apparatus And Method For Implementing A Low-Noise Amplifier
Pending	110,812	07/06/98	Digital Video Teleconferencing Camera
Pending	112,433	07/09/98	Method And Apparatus For Reducing Start-Up Latency In A Data Transmission System
Pending	113,755	07/10/98	Control Channel Collision Avoidance For Telephone Systems
Pending	109,801	07/20/98	Scheduler Utilizing Dynamic Schedule Table
Pending	121,476	07/23/98	Monolithic Generation Of RF For Wireless Transmission Of Video
Pending	121,475	07/23/98	Photonic Clock Distribution Method And Apparatus For Electronic Systems
Pending	123,599	07/28/98	Method And Apparatus For Transmitting Control Signals In A Data Communication System Having A Fully Digital Communication Channel
Pending	126,301	07/30/98	A Transistor Having A Novel Layout And An Emitter Having More Than One Feed Point
Pending		07/31/98	Faps Interpolation Graph
Pending	127,881	07/31/98	Method And Apparatus For Speech Coder Output Transformation
Pending	127,053	07/31/98	3D Mesh Compression And Coding
Pending	128,362	08/03/98	Method Of And Apparatus For Adaptation Of An Echo Canceller In A System With Multitasking
Pending	96,899	08/17/98	Using Exponent Value To Program BER Threshold
Pending	137,198	08/20/98	Frequency Hopping Spread Spectrum Modulation And Direct Sequence Spread Spectrum Modulation Cordless Telephone
Pending	137,194	08/20/98	Improved External Connector And Battery Extension Pack For A Portable Communications Device
Pending	97,802	08/25/98	Method And Apparatus For Detecting And Determining Characteristics Of A Fully Digital Connection In A Data Communication System
Pending	144,404	08/31/98	Flexible Transfer Function Generator
Pending	145,055	09/01/98	Doppler Corrected Spread Spectrum Matched Filter
Pending	148,568	09/04/98	A Compact And Fast Cubic Function Generator
Pending	98/18879	09/04/98	First Party Signalling For Call Waiting Calling Number Identification (CWCID)
Pending	98/18446	09/04/98	Retransmission Packet Capture System Within A Wireless Multiservice Communications Environment
Pending	149,638	09/08/98	Method And Apparatus For Training Equalizer Structures In A Digital Communication System Having Periodic Digital Impairments
Pending	149,910	09/09/98	Dual Damascene Interconnect Structures Employing Low-K Dielectric Materials
Pending	149,937	09/09/98	Low Noise Active-Pixel Sensor For Imaging Arrays With High Speed Row Reset
Pending	152,439	09/14/98	Power Amplifier Saturation Prevention Method, Apparatus, And Communication System Incorporating Same
Pending	100,330	09/15/98	High Speed Modem That Connects Over ADPCM Channels
Pending	153,631	09/15/98	A Method And Apparatus For Dynamically Switching Between Speech Coding Techniques
Pending	154,660	09/18/98	Speech Encoder Adaptively Applying Pitch Processing With Continuous
Pending	156,826	09/18/98	Adaptive Tilt Compensation For Synthesized Speech Residual
Pending	156,814	09/18/98	Completed Fixed Codebook For Speech Coder
Pending	154,663	09/18/98	Adaptive Gain Reduction To Produce Fixed Codebook Target Signal
Pending	154,654	09/18/98	Pitch Determination Using Speech Classification And Prior Pitch Estimation
Pending	156,650	09/18/98	Speech Encoder Using Gain Normalization That Combines Open And Closed Loop Gains
Pending	100,839	09/18/98	Modifications To V.Adm Phase 1 To Enable Call Mode Modem Initiating V.8 Escape Procedure
Pending	157,083	09/18/98	Robust Fast Search For Two-Dimensional Gain Vector Quantizer
Pending	156,648	09/18/98	Low Complexity Random Codebook Structure
Pending	157,209	09/18/98	System And Method For Communication Parameter Determination
Pending	156,416	09/18/98	Method And Apparatus For Detecting Voice Activity In A Speech Signal
Pending	154,675	09/18/98	Speech Encoder Using Continuous Warping In Long Term Preprocessing
Pending	156,649	09/18/98	Comb Codebook Structure
Pending	146,057	09/20/98	Adaptive Method For Y-C Separation In Video Signals
Pending	154,643	09/21/98	Method And Apparatus For Diagnostics And Control Of Communication

12/10/98

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Schedule of Contributed Inventions and Patent Applications
United States

Status	Serial No.	File Date	Title
Pending	158,802	09/22/98	Method For Detecting Dropouts In Data Delivered Over A Bandwidth-Limited
Pending	158,337	09/22/98	Interconnect With Low Dielectric Constant Insulators For Semiconductor Integrated Circuit Manufacturing
Pending	159,328	09/23/98	Dynamic Range Reduction Circuitry For A Digital Communications Receiver
Pending	158,876	09/23/98	Transmitter Circuitry For A Cellular Phone
Pending	161,209	09/25/98	Method And Apparatus For Deriving Power From A Clock Signal Coupled Through Capacitors
Pending	161,014	09/25/98	Apparatus And Method For Improving Power Control Loop Linearity
Pending	161,157	09/25/98	Triggering Circuit For ESD Protection Clamp
Pending	160,834	09/25/98	Method For Fabricating Interpoly Dielectrics In Non-Volatile Stacked-Gate Memory Structures
Pending	160,646	09/25/98	Device And Process For Coupling Multi-Band Transmitters And Receivers And Communication System Employing Same
Pending	160,690	09/25/98	Device, System And Method For Low Noise Radio Frequency Transmission
Pending	160,884	09/25/98	Digital Phase Locked Loop Divider Cycling Method, Apparatus And Communication System Incorporating The Same
Pending	161,611	09/25/98	Automatic Gsm Mobile Power
Pending	162,185	09/28/98	Nitride-Etch Stop For Poisoned Unlanded Vias
Pending	162,091	09/28/98	Method For Compressing Color Images Using Wavelet Coding
Pending	163,263	09/29/98	Multi-Line Recording Device Having Reduced Processing And Storage Requirements
Pending	162,845	09/29/98	Power Cutback In Splitterless ADSL Systems
Pending	162,493	09/29/98	Timing Recovery For A High Speed Digital Data Communication System Based On Adaptive Equalizer Impulse Response Characteristics
Pending	162,272	09/29/98	Elevated Channel Mosfet
Pending	162,579	09/29/98	Dummy Fill Cell For Reducing Layer-To-Layer Interaction
Pending	162,652	09/29/98	Backside Structure For A Module Having An Exposed Backside
Pending	162,653	09/29/98	Data Delivery Technique For Fiber To The Curb
Pending	98/20381	09/29/98	Low Voltage Medium Power Class C Power Amplifier With Precise Gain Control
Pending	163,862	09/30/98	Low-Voltage Dual-Modulus Prescaler Circuit Using Merged Pseudo-Differential
Pending	164,155	09/30/98	Method And Apparatus For Identifying The Encoding Type Of A Central Office Codec
Pending	165,592	09/30/98	System And Method For Performing Digital Subscriber Line (DSL) Modem Communication Over An AC Link Bus
Pending	164,428	09/30/98	Method And Apparatus For Sharing Transmit Shaping Filters Among Phase Shifted Signals
Pending	164,504	09/30/98	Echo Canceling Method And Apparatus For Digital Data Communication
Pending	163,776	09/30/98	Method And Apparatus For Controlling The Programming And Erasing Of Flash Memory
Pending	163,797	09/30/98	Receiver Algorithm Selection Based Upon Real Time Signal Quality Estimate
Pending	163,789	09/30/98	Compensation Technique Using Mos Capacitance
Pending	163,967	09/30/98	IC Interconnect Structures And Methods For Making Same
Pending	164,530	09/30/98	Method And Apparatus For Canceling Periodic Interference Signals In A Digital Data Communication System
Pending	163,798	09/30/98	Dual Band Transmitter For A Cellular Phone Comprising A PLL
Pending	163,735	09/30/98	Dual Frequency Synthesis System
Pending	163,675	09/30/98	CMOS Electrostatic Discharge Protection Circuit With Minimal Loading For High Speed Circuit Applications
Pending	163,741	09/30/98	Method For Dynamic Allocation And Efficient Sharing Of Function Unit
Pending	163,742	09/30/98	A System And Method For Transmitting, Storing And Providing Energy For Performing A Task
Pending	164,534	09/30/98	Multiple Half-Burst Phase Rotation For High Frequency Demodulation
Pending	163,574	09/30/98	Reduced Complexity Tresllis Decoder Based On A Relative Ordering Scheme
Pending		10/01/98	Low Noise Active-Pixel Sensor For Imaging Arrays With High Speed Row Reset
Pending	165,781	10/02/98	Apparatus And Method For Power Management Of Embedded Subsystems
Pending	09/198,472	11/24/98	Adaptive Entropy Coding in Adaptive Quantization Framework for Video Signal Coding Systems and Processes

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