

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4088825

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LAKESTAR SEMI INC.	07/12/2013

RECEIVING PARTY DATA

Name:	CONEXANT SYSTEMS, INC.
Street Address:	1901 MAIN STREET
Internal Address:	SUITE 300
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92614

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14842775

CORRESPONDENCE DATA

Fax Number: (214)200-0853

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

Phone: 949-202-3000

Email: tammy.lightman@haynesboone.com

Correspondent Name: HAYNES AND BOONE, LLP

Address Line 1: 2323 VICTORY AVENUE

Address Line 2: SUITE 700

Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER: 70548.32US02_82057

NAME OF SUBMITTER: DENNIS GALLAGHER

SIGNATURE: /Dennis Gallagher/

DATE SIGNED: 10/07/2016

Total Attachments: 30

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PATENT

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ASSET TRANSFER AGREEMENT

THIS ASSET TRANSFER AGREEMENT (this "*Agreement*"), dated July 12, 2013, is by and between Lakestar Semi Inc, a Delaware corporation (formerly known as Conexant Systems, Inc., "*Parent*"), and Conexant Systems, Inc., a Delaware corporation (formerly known as CX Opco, Inc., "*Subsidiary*" and collectively with Parent, the "*Parties*").

RECITALS

A. On February 28, 2013, Parent and its debtor affiliates, each filed voluntary petitions for relief under chapter 11 of title 11 of the United States Code (the "*Bankruptcy Code*") in the United States Bankruptcy Court for the District of Delaware.

B. Parent owns all of the capital stock of Subsidiary. Parent is engaged in the business (the "*Business*") of providing solutions for imaging, audio, embedded modem, and video surveillance applications. Parent desires to transfer, assign, contribute and deliver to Subsidiary (i) all of Parent's right, title and interest in or to the assets, business, goodwill and rights of Parent used or useful in the operation of the Business (except as otherwise set forth in this Agreement) and (ii) all liabilities of Parent, as a capital contribution to Subsidiary, and Subsidiary desires to assume and accept all such assets and liabilities, in each case in the manner and subject to the terms and conditions set forth herein and as authorized under sections 105 and 365 of the Bankruptcy Code.

NOW, THEREFORE, in consideration of the premises, the respective representations, warranties, covenants and agreements contained in this Agreement, and other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, the Parties agree as set forth below.

ARTICLE 1 TRANSFER OF CONTRIBUTED ASSETS

1.1 Transfer of Contributed Assets.

(a) Transfer. Parent hereby contributes, assigns, transfers and delivers to Subsidiary, and Subsidiary hereby accepts and assumes all right, title and interest in and to all assets, business, goodwill and rights of Parent, including but not limited to: (i) owned real property and leaseholds and sub-leaseholds on any premises, all improvements, fixtures and fittings thereon and easements, rights-of-way and other appurtenances thereto; (ii) tangible personal property (including machinery, equipment, inventories of raw materials and supplies, manufactured and purchased parts, goods in process and finished goods, furniture, automobiles, trucks, tractors, trailers, tools, jigs and dies and the personal property listed on Schedule 1.1(a)(i)); (iii) any rights, licenses, charges, Encumbrances, equities and other claims that any person may have to claim ownership, authorship or invention of, to use, to object to or prevent the modification of or to withdraw from circulation or control the publication or distribution of, any: (A) copyrights in both published works and unpublished works, (B) fictitious business names, trading names, corporate names, registered and unregistered trademarks, service marks

and applications, (C) any (x) patents and patent applications and (y) business methods, inventions and discoveries that may be patentable, (D) computer software or middleware and (E) know-how, trade secrets, confidential information, customer lists, software (source code and object code), technical information, data, process technology, plans, drawings and blue prints ("*Intellectual Property*") and all goodwill associated therewith, licenses and sublicenses granted and obtained with respect thereto, and rights thereunder, remedies against infringements thereof and rights to protection of interests therein under the laws of all jurisdictions, including the Intellectual Property listed on Schedule 1.1(a)(ii); (iv) with respect to any contracts, agreements, arrangements, commitments, instruments, documents or similar understandings (whether written or oral), including leases, subleases and rights thereunder ("*Contracts*") of or benefiting Parent, including those listed on Schedule 1.1(a)(iii), all rights and benefits under or arising out of such Contracts; (v) receivables; (vi) securities; (vii) claims, deposits, prepayments, refunds, causes of action, choses in action and rights of recovery, set off and recoupment; (viii) permits, licenses, certificates, waivers, notices and similar authorizations obtained or applied for by or on behalf of Parent from, pursuant to or in connection with any legislature, agency, bureau, branch, department, division, commission, court, tribunal or other similar recognized organization or body of any federal, state, county, municipal, local or foreign government or other similar recognized organization or body exercising similar powers or authority (a "*Governmental Body*"), any law, rule, regulation or order enacted, adopted, promulgated or applied by any Governmental Body or order, ruling, decision, award, judgment, injunction or other similar determination or finding by, before or under the supervision of any Governmental Body or arbitrator (an "*Order*"); (ix) books, records, ledgers, files, documents, correspondence, advertising and promotional materials, studies, reports and other written materials; (x) stock ownership of all of Parent's subsidiary entities (other than Subsidiary); (xi) accounts and (xii) cash and cash equivalents (all of the foregoing, collectively, the "*Contributed Assets*"), free and clear of all claims, liens, pledges, restrictions, options, charges, hypothecations, rights of first refusal, preemptive rights, easements, security interests, deeds of trust, mortgages, rights-of-way, encroachments, or encumbrances, whether voluntarily incurred or arising by operation of law (collectively, "*Encumbrances*").

(b) Excluded Assets. The Contributed Assets shall not include the following, which shall remain Parent's property: (i) the corporate charter, qualifications to conduct business as a foreign corporation, and the minute books, stock transfer books and similar documents or records relating to the organization, maintenance and existence of Parent as a corporation; (ii) any of Parent's rights under this Agreement, each Contract or writing executed or delivered in connection with this Agreement and each amendment or supplement to any of the foregoing (including this Agreement, the "*Transaction Documents*"); (iii) stock ownership of Subsidiary; or (iv) any asset specifically identified on Schedule 1.1(b).

1.2 Assumed Liabilities.

(a) Assumed Liabilities. Subsidiary hereby assumes, accepts and becomes responsible for all liabilities and obligations of Parent, including all liabilities and obligations under the Contracts (collectively, the "*Assumed Liabilities*").

(b) Excluded Liabilities. The Assumed Liabilities shall exclude, and Subsidiary does not assume, accept or have any responsibility with respect to, solely those liabilities or obligations of Parent: (i) arising under any Transaction Document or (ii) that were discharged pursuant to Article VIII.B. of the Second Modified Joint Plan of Reorganization of Conexant Systems, Inc. and Its Debtor Affiliates Pursuant to Chapter 11 of the Bankruptcy Code.

1.3 Deliveries. Upon, or as promptly as reasonably practicable following, execution of this Agreement, Parent shall deliver or cause to be delivered to Subsidiary such other bills of sale, certificates of title or origin, deeds, assignments and other instruments of transfer or conveyance or as may be otherwise necessary to evidence and effect the assignment and delivery of the Contributed Assets to Subsidiary.

ARTICLE 2 MISCELLANEOUS

2.1 Further Assurances. Each Party shall execute and deliver, or cause to be executed and delivered, such other documents and instruments, reasonably satisfactory to the other Party, as may be reasonably necessary or desirable to carry out or implement any provision of this Agreement and to take all reasonable actions designed to vest in Subsidiary the Contributed Assets, to perfect or enforce any interests or rights of Subsidiary relating to the Contributed Assets and to provide to Subsidiary the full use, enjoyment and possession of the Contributed Assets. In addition, each Party shall provide, from time to time, such additional information and assistances as the other Party may reasonably require to carry out the terms of this Agreement. To the extent that the transfer or assignment of any agreement included in the Contributed Assets requires the consent of a third party, this Agreement shall not constitute a transfer or assignment of the same if an attempted transfer or assignment without such consent would constitute a breach thereof or a breach of applicable law. Parent and Subsidiary shall cooperate in seeking to obtain any such consent, approval or authorization. If any such consent, approval or authorization cannot be obtained, Parent will use its reasonable best efforts to provide Subsidiary with the rights and benefits of the affected agreement for the term thereof, and, if Parent provides such rights and benefits, Subsidiary shall assume the obligations and burdens thereunder.

2.2 Entire Agreement. This Agreement, together with the other Transaction Documents and all schedules, exhibits, annexes or other attachments hereto or thereto, and the certificates, documents, instruments and writings that are delivered pursuant hereto or thereto, constitutes the entire agreement and understanding of the Parties in respect of the subject matter hereof and supersedes all prior understandings, agreements or representations by or among the Parties, written or oral, to the extent they relate in any way to the subject matter hereof.

2.3 Binding Effect. All of the terms, agreements, covenants, representations, warranties and conditions of this Agreement are binding upon, inure to the benefit of and are enforceable by, the Parties and their respective successors and assigns.

2.4 Governing Law. This Agreement will be governed by and construed in accordance with the laws of the State of Delaware, without giving effect to any choice of law

principles.

2.5 Schedules and Exhibits. The Schedules and Exhibits are incorporated herein by reference and made a part of this Agreement.

2.6 Amendment; Extensions; Waivers. No amendment, modification, waiver, replacement, termination or cancellation of any provision of this Agreement will be valid, unless the same is in writing and signed by all of the Parties. Each waiver of a right hereunder does not extend beyond the specific event or circumstance giving rise to the right. No waiver by any Party of any default, misrepresentation or breach of warranty or covenant hereunder, whether intentional or not, may be deemed to extend to any prior or subsequent default, misrepresentation or breach of warranty or covenant hereunder or affect in any way any rights arising because of any prior or subsequent such occurrence. Neither the failure nor any delay on the part of any Party to exercise any right or remedy under this Agreement will operate as a waiver thereof, nor does any single or partial exercise of any right or remedy preclude any other or further exercise of the same or of any other right or remedy.

2.7 Severability. The provisions of this Agreement will be deemed severable and the invalidity or unenforceability of any provision will not affect the validity or enforceability of the other provisions hereof; provided, however, that if any provision of this Agreement, as applied to any Party or to any circumstance, is judicially determined not to be enforceable in accordance with its terms, the Parties agree that the court judicially making such determination may modify the provision in a manner consistent with its objectives such that it is enforceable, and/or to delete specific words or phrases, and in its modified form, such provision will then be enforceable and will be enforced.

2.8 Counterparts; Effectiveness. This Agreement may be executed in one or more counterparts, each of which will be deemed an original but all of which together will constitute one and the same instrument. Delivery of an executed signature page of this Agreement by facsimile or .pdf transmission shall be effective as delivery of a manually executed counterpart hereof.

[SIGNATURE PAGES FOLLOW]

IN WITNESS WHEREOF, the Parties have caused this Asset Transfer Agreement to be executed as of the date stated in the introductory paragraph of this Agreement.

LAKESTAR SEMI INC.

By: _____
Name: _____
Title: _____

CONEXANT SYSTEMS, INC.

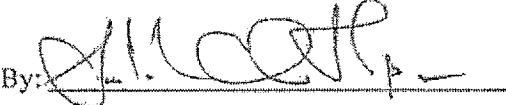
By: _____
Name: _____
Title: _____

IN WITNESS WHEREOF, the Parties have caused this Asset Transfer Agreement to be executed as of the date stated in the introductory paragraph of this Agreement.

LAKESTAR SEMI, INC.

By: _____
Name: _____
Title: _____

CONEXANT SYSTEMS, INC.


By: _____
Name: Sailesh Chittipeddi
Title: President and Chief Executive Officer

Schedule 1.1(a)(ii)

Intellectual Property

See attached list.

In re: Conexant Systems, Inc.

Case No. 13-10367 (MFW)

SCHEDULE B - PERSONAL PROPERTY
Rider B.22 - Patents, Copyrights, and Other Intellectual Property

Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Automatic Video Detector	Austria	Granted	2005321787	12/30/2005	2005321787	12/9/2010	Undetermined
Method And Apparatus For Quick Modem Reconnect	Austria	Granted	02002840.3	7/16/2000	1223734	9/12/2007	Undetermined
Method And Apparatus For Multiple Channel Signal Processing	Austria	Granted	00966843.5	9/25/2000	1219087	2/7/2007	Undetermined
Unified Algorithm For Frame Scheduling And Buffer Management In Differentiated Services Network	China	Granted	01800246.0	2/16/2001	01800246.0	12/9/2009	Undetermined
Quick Connect Parameter Exchange	China	Granted	01117361.0	4/24/2001	01117361.0	11/4/2005	Undetermined
Bandwidth Partitioning Using Emulated Weighted Fair Queueing (Efqa)	China	Granted	01141451.8	9/24/2001	01141451.8	3/9/2005	Undetermined
Buffer Management For Support Of Quality Of Service (Guaranteed) And Data Flow Control In Data Switching	China	Granted	01141460.X	9/24/2001	01141460.X	7/9/2008	Undetermined
Internal Communication Protocol For Data Switching Equipment	China	Granted	01136062.3	9/29/2001	01136062.3	10/13/2004	Undetermined
A Method Of Implementing A Control Channel Between Switching Devices In Communications Networks	China	Granted	2100942.2	1/8/2002	212100942.2	4/6/2009	Undetermined
Data Network Node Having Enhanced Security Features	China	Granted	02119757.1	5/17/2002	02119757.1	9/23/2009	Undetermined
Method Of Passing The Synchronizing Of Routing Information...	China	Granted	02143707.6	9/28/2002	02143707.6	12/29/2004	Undetermined
Hypothetical Reference Decoder With Low Start Up Delays For Compressed Image And Video	China	Pending	0480025247.3	8/24/2004	0480025247.3	7/4/2012	Undetermined
Combined Pipeline Packet Classification And Address Search Method And Apparatus For Switching Environments	China	Granted	10080726.1	6/30/2005	100555986C	10/28/2009	Undetermined
Methods And Apparatus Providing Rapid End-To-End Failover In A Packet Switched Communications Network	China	Pending	0510080731.2	6/30/2005			Undetermined
Remote Control Of A Switching Node In A Stack Of Switching Nodes	China	Granted	06-10088804.2	7/29/2005	10088804.2	2/17/2010	Undetermined
Remote Control Of A Switching Node In A Stack Of Switching Nodes	China	Pending	1010002070.2	7/29/2005			Undetermined
Video Auto Format Detection	China	Published	0580029049.7	12/30/2005			Undetermined
Systems And Methods For Utilizing A Scanning Threshold To Reduce Power Consumption	China	Published	0880105714.1	8/4/2008			Undetermined
Network Allocation	China	Published	0880105820.4	9/4/2008			Undetermined
Systems And Methods Of Improved Heat Dissipation With Variable Pitch Grid Array Packaging	China	Pending	1080024162.9	7/2/2009			Undetermined
Systems And Methods For Echo Cancellation And Echo Suppression	China	Published	11/10093211.0	1/10/2011			Undetermined
Active Surge Rejection Circuit	European Patent Office	Granted	93109224.1	9/8/1993	0976883	4/16/1997	Undetermined
Register File With Multi-Tasking Support	European Patent Office	Granted	95112305.8	8/4/1995	0696772	2/6/2002	Undetermined
Method And Apparatus For Coupling Multiple Independent On-Chip Vdd Busses To An Esd Core Clamp	European Patent Office	Granted	96106208.4	4/19/1998	0740344	7/24/2002	Undetermined
Method For Manufacturing Multi-Chip Modules Utilizing Direct Lead Attach	European Patent Office	Granted	97017905.8	4/10/1997	0692687	4/10/1997	Undetermined
Integrated Circuit Device With Embedded Flash Memory And Method For Manufacturing Same	European Patent Office	Granted	97931196.8	6/17/1997	0852813	2/11/2009	Undetermined
Fast Resynchronization System For High-Speed Data Transmission	European Patent Office	Granted	97116816.6	9/28/1997	0833476	2/28/2005	Undetermined
System For Dynamically Adapting The Length Of A Filter	European Patent Office	Published	97941179.0	9/26/1997			Undetermined
Sample Rate Conversion For Synchronous Variable Rate	European Patent Office	Granted	97116965.5	9/30/1997	0805389	11/30/2005	Undetermined

In re: Conexant Systems, Inc.

Case No. 13-10367 (MFW)

SCHEDULE B - PERSONAL PROPERTY
Rider B.22 - Patents, Copyrights, and Other Intellectual Property

Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Orthogonal Lms Algorithm For Fast Line Echo Canceller Training	European Patent Office	Granted	98915232.7	3/31/1998	0983638	3/21/2012	Undetermined
Method And Apparatus For Synchronizing A Data Communication System To A Periodic Digital Impairment	European Patent Office	Granted	99902328.6	1/19/1999	1060127	9/8/2004	Undetermined
Method And Apparatus For Monitoring, Controlling, And Configuring Local Communication Devices	European Patent Office	Granted	99909790.0	3/4/1999	1060614	12/29/2010	Undetermined
Methods And Apparatus For Managing The Charging And Discharging Of A Lithium Battery	European Patent Office	Granted	99911373.1	3/12/1999	1064710	11/13/2002	Undetermined
Method And Apparatus For Identifying The Encoding Type Of A Central Office Codec	European Patent Office	Granted	99943944.1	8/26/1999	1118242	10/19/2004	Undetermined
Multi-Task Plug-In Architecture For Software Modem	European Patent Office	Granted	99959200.7	9/17/1999	1114548	9/2/2009	Undetermined
Timing Recovery For A High Speed Digital Data Communication System Based On Adaptive Equalizer Impulse Response Characteristics	European Patent Office	Granted	99946492.6	9/28/1999	1116183	7/9/2003	Undetermined
Modem Having A Digital High Voltage Isolation Barrier	European Patent Office	Granted	99972401.6	11/3/1999	1131948	10/6/2011	Undetermined
Telephone Line Interface Circuit With Intelligent Line Current And Voltage Control	European Patent Office	Granted	00932198.5	5/9/2000	1095497	7/30/2003	Undetermined
Quick Connect Parameter Exchange Communication On Hold	European Patent Office	Granted	00947474.3	7/16/2000	1201077	11/29/2007	Undetermined
Method And Apparatus For Quick Modem Reconnect	European Patent Office	Granted	02092840.3	7/18/2000	1223734	9/12/2007	Undetermined
Connection On Hold Mechanism	European Patent Office	Granted	02002641.1	7/19/2000	1223723	6/29/2011	Undetermined
Method And Apparatus For Multiple Channel Signal Processing	European Patent Office	Granted	00966843.5	9/25/2000	1219087	2/7/2007	Undetermined
Asynchronous Centralized Multi-Channel Dma Controller	European Patent Office	Granted	00975211.4	9/27/2000	1222351	6/28/2006	Undetermined
Demodulator Circuit	European Patent Office	Granted	00987576.6	12/6/2000	1348286	7/19/2008	Undetermined
Power Line Networking Apparatus And Method	European Patent Office	Granted	01081343.5	10/1/2001	1323246	8/29/2011	Undetermined
Digital Isolation Barrier As Interface Bus For Modems	European Patent Office	Published	02290712.5	3/20/2002			Undetermined
Dc Offset Correction For Direct Conversion Receiver	European Patent Office	Published	04813313.6	12/6/2004			Undetermined
Video Auto Format Detection	European Patent Office	Published	05856144.0	5/22/2007			Undetermined
Playback Acknowledgment	European Patent Office	Published	07983699.0	10/31/2007			Undetermined
Scanning Threshold	European Patent Office	Published	08799140.2	9/4/2008			Undetermined
Network Allocation	European Patent Office	Published	08799138.6	9/4/2008			Undetermined
Speaker Distortion Reduction System And Method	European Patent Office	Published	10746794.6	2/24/2009			Undetermined
Micro Electro-Mechanical Sensor (Mems) Fabricated With Ribbon Wire Bonds	European Patent Office	Published	09724887.6	3/19/2009			Undetermined
Systems And Methods For Driving High Power States Using Lower Voltage Processes	European Patent Office	Published	10744397.0	2/19/2010			Undetermined
Active Surge Rejection Circuit	France	Granted	93109224.1	6/8/1993	0876883	4/16/1997	Undetermined
Register File With Multi-Tasking Support	France	Granted	95112305.8	8/4/1995	0896772	2/6/2002	Undetermined
Method And Apparatus For Coupling Multiple Independent On-Chip Vdd Busses To An Esd Core Clamp	France	Granted	98108206.4	4/19/1998	0740344	7/24/2002	Undetermined
Method For Manufacturing Multi-Chip Modules Utilizing Direct Lead Attach	France	Granted	97917905.8	4/10/1997	0892587	4/10/1997	Undetermined
Integrated Circuit Device With Embedded Flash Memory And Method For Manufacturing Same	France	Granted	97931196.6	6/17/1997	0882813	2/11/2009	Undetermined

In re: Conduant Systems, Inc.

Case No. 13-10367 (MFW)

SCHEDULE B - PERSONAL PROPERTY
Rider B.22 - Patents, Copyrights, and Other Intellectual Property

Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Fast Resynchronization System For High-Speed Data Transmission	France	Granted	97116616.6	9/26/1997	0833476	2/23/2005	Undetermined
Sample Rate Conversion For Synchronous Variable Rate	France	Granted	97116968.6	9/30/1997	0905889	11/30/2005	Undetermined
Method And Apparatus For Synchronizing A Data Communication System To A Periodic Digital Impairment	France	Granted	99902328.6	1/19/1999	1050127	9/8/2004	Undetermined
Method And Apparatus For Monitoring, Controlling, And Configuring Local Communication Devices	France	Granted	99909790.0	3/4/1999	1060614	12/29/2010	Undetermined
Methods And Apparatus For Managing The Charging And Discharging Of A Lithium Battery	France	Granted	99911373.1	3/12/1999	1064710	11/13/2002	Undetermined
Multi-Task Plug-in Architecture For Software Modem	France	Granted	99969200.7	9/17/1999	1114548	9/2/2009	Undetermined
Timing Recovery For A High Speed Digital Data Communication System Based On Adaptive Equalizer Impulse Response Characteristics	France	Granted	99948492.6	9/28/1999	1118183	7/9/2003	Undetermined
Modem Having A Digital High Voltage Isolation Barrier	France	Granted	99972401.6	11/3/1999	1131948	10/5/2011	Undetermined
Telephone Line Interface Circuit With Intelligent Line Current And Voltage Control	France	Granted	00932198.5	6/9/2000	1095497	7/30/2003	Undetermined
Quick Connect Parameter Exchange	France	Granted	00947474.3	7/18/2000	1201077	11/29/2007	Undetermined
Communication On Hold	France	Granted	00950150.1	7/18/2000	1198948	12/22/2010	Undetermined
Initialization A Quick Reconnect Procedure	France	Granted	02002840.3	7/18/2000	1223734	9/12/2007	Undetermined
Connection On Hold Mechanism	France	Granted	02002841.1	7/18/2000	1223723	6/29/2011	Undetermined
Method And Apparatus For Multiple Channel Signal Processing	France	Granted	00966843.5	9/25/2000	1219087	4/30/2007	Undetermined
Asynchronous Centralized Multi-Channel Dma Controller	France	Granted	00975211.4	9/27/2000	1222551	6/28/2006	Undetermined
Demodulator Circuit	France	Granted	00987576.6	12/8/2000	1348286	7/19/2006	Undetermined
Power Line Networking Apparatus And Method	France	Granted	01981343.5	10/11/2001	1323246	6/29/2011	Undetermined
Digital Isolation Barrier As Interface Bus For Modems	France	Published	02280712.5	3/20/2002			Undetermined
Method Of Pacing The Synchronizing Of Routing Information...	France	Granted	212229	10/3/2002	212229	3/19/2004	Undetermined
De Offset Correction For Direct Conversion Receiver	France	Pending	04813313.0	12/6/2004			Undetermined
Combined Pipeline Packet Classification And Address Search Method And Apparatus For Switching Environments	France	Granted	806639	6/29/2005	0506639	11/28/2008	Undetermined
Active Surge Rejection Circuit	Germany	Granted	93109224.1	6/8/1993	0576883	4/16/1997	Undetermined
Register File With Multi-Tasking Support	Germany	Granted	95112305.8	8/4/1995	69525294.1	2/6/2002	Undetermined
Method And Apparatus For Coupling Multiple Independent On-Chip Vdd Busses To An Esd Core Clamp	Germany	Granted	69622465.8-08	4/19/1996	0740344	7/24/2002	Undetermined
Method For Manufacturing Multi-Chip Modules Utilizing Direct Lead Attach	Germany	Granted	97917905.8	4/10/1997	0682907	4/10/1997	Undetermined
Integrated Circuit Device With Embedded Flash Memory And Method For Manufacturing Same	Germany	Granted	97931195.8	6/17/1997	0852813	2/11/2009	Undetermined
Fast Resynchronization System For High-Speed Data Transmission	Germany	Granted	97116816.6	9/26/1997	09732549.0	2/23/2005	Undetermined
Sample Rate Conversion For Synchronous Variable Rate	Germany	Granted	97116968.6	9/30/1997	09734770.2	11/30/2005	Undetermined
Orthogonal Lms Algorithms For Fast Line Echo Canceler Training	Germany	Granted	99815232.7	3/31/1998	0993638	3/21/2012	Undetermined
Method And Apparatus For Synchronizing A Data Communication System To A Periodic Digital Impairment	Germany	Granted	99902328.6	1/19/1999	09919982.4	9/8/2004	Undetermined

In re: Conexant Systems, Inc.

Case No. 13-10367 (MFW)

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Method And Apparatus For Identifying The Encoding Type Of A Central Office Codec	Germany	Granted	99043944.1	8/28/1999	1118242	5/12/2004	Undetermined
Multi-Task Plug-In Architecture For Software Modem	Germany	Granted	99969200.7	9/17/1999	1114548	9/2/2009	Undetermined
Timing Recovery For A High Speed Digital Data Communication System Based On Adaptive Equalizer Impulse Response Characteristics	Germany	Granted	99948492.8	9/28/1999	69909497.6	7/9/2003	Undetermined
Modem Having A Digital High Voltage Isolation Barrier	Germany	Granted	99972401.6	11/3/1999	1131948	10/5/2011	Undetermined
Telephone Line Interface Circuit With Intelligent Line Current And Voltage Control	Germany	Granted	00932190.5	5/9/2000	6004151.4	7/30/2003	Undetermined
Quick Connect Parameter Exchange Communication On Hold	Germany	Granted	00847474.3	7/18/2000	60037500.0	1/2/2009	Undetermined
Communication On Hold	Germany	Granted	00960150.1	7/18/2000	60045415.0	12/22/2010	Undetermined
Method And Apparatus For Quick Modem Reconnect	Germany	Granted	02002840.3	7/18/2000	60036354.5	9/12/2007	Undetermined
Connection On Hold Mechanism	Germany	Granted	02002841.1	7/18/2000	60048155.6	6/29/2011	Undetermined
Method And Apparatus For Multiple Channel Signal Processing	Germany	Granted	60033300.0	9/25/2000	1219087	2/7/2007	Undetermined
Asynchronous Centralized Multi-Channel Dma Controller	Germany	Granted	00975211.4	9/27/2000	1222551	6/28/2006	Undetermined
A Method Of Using Channel State Information In Multi-Carrier Transmission Systems	Germany	Granted	00987576.8	12/28/2000	60029488.9	7/19/2006	Undetermined
Power Line Networking Apparatus And Method	Germany	Granted	01981343.5	10/1/2001	60144888.03	6/29/2011	Undetermined
Digital Isolation Barrier As Interface Bus For Modems	Germany	Published	02290712.5	3/20/2002			Undetermined
Method Of Packing The Synchronizing Of Routing Information...	Germany	Granted	10244350.5	9/24/2002	10244350.6	6/16/2005	Undetermined
Dc Offset Correction For Direct Conversion Receiver	Germany	Pending	04813313.6	12/6/2004			Undetermined
Combined Pipelined Packet Classification And Address Search Method And Apparatus For Switching Environments	Germany	Pending	2006029996.4	6/24/2005			Undetermined
Remote Control Of A Switching Node In A Stack Of Switching Nodes	Germany	Granted	2005032479.7	7/12/2005	2005032479	12/6/2011	Undetermined
Method And Apparatus For Synchronizing A Data Communication System To A Periodic Digital Impairment	Hong Kong	Granted	01103247.4	1/19/1999	HK1033570	3/11/2005	Undetermined
Method And Apparatus For Identifying The Encoding Type Of A Central Office Codec	Hong Kong	Granted	02100830.4	8/26/1999	1040342	1/7/2005	Undetermined
Fast Connect, Quick Reconnect And Connection On Hold Mechanism	Hong Kong	Granted	02101463.4	7/18/2000	1040024	10/6/2006	Undetermined
Connection On Hold Mechanism	Hong Kong	Granted	02108315.9	11/16/2002	HK1048714	2/24/2012	Undetermined
Video Auto Format Detection	India	Pending	2945CHENP2007	12/30/2005			Undetermined
Hypothetical Reference Decoder For Compressed Image And Video	India	Pending	992DELNP2006	2/24/2006			Undetermined
Method And Apparatus For Communication Receiver	India	Pending	107/CHEN/08	1/11/2008			Undetermined
Frequency Modulating Method And Modem Device	Japan	Granted	09-052087	6/3/1997	3,373,388	11/22/2002	Undetermined
Methods And Apparatus For Managing The Charging And Discharging Of A Lithium Battery	Japan	Granted	2000-538414	3/12/1999	3361322	10/16/2002	Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Communication On Hold	Japan	Granted	2001-513165	7/18/2000	4088443	2/29/2008	Undetermined
Fast Connect, Quick Reconnect And Connection On Hold Mechanism	Japan	Granted	2001-512758	7/18/2000	3900408	1/12/2007	Undetermined
Quick Connect Parameter Exchange	Japan	Granted	2001-513164	7/18/2000	4183942	9/12/2006	Undetermined
Method And Apparatus For Medium Access Control In Powerline Communication Network Systems	Japan	Granted	2002-592974	6/6/2001	4810051	8/26/2011	Undetermined
Digital Isolation Barrier As Interface Bus For Modem	Japan	Granted	679457/2003	9/17/2004	4145244	6/27/2008	Undetermined
Method And Apparatus Providing Rapid End-To-End Failover In A Packet Switched Communications Network	Japan	Granted	2005-190649	8/29/2005	4860949	11/11/2011	Undetermined
Remote Control Of A Switching Node In A Stack Of Switching Nodes	Japan	Granted	05-219529	7/28/2005	4224620	12/5/2008	Undetermined
Fast Connect, Quick Reconnect And Connection On Hold Mechanism	Japan	Granted	2006-142114	5/22/2006	4637789	12/3/2010	Undetermined
Method And Apparatus Providing Rapid End-To-End Failover In A Packet Switched Communications Network	Japan	Granted	2009-252099	8/29/2009	4986019	12/16/2011	Undetermined
Systems And Methods For Network Facsimile Transmissions	Japan	Published	2011-550298	2/12/2010			Undetermined
Systems And Methods For Alignment Of Laser Printers	Japan	Published	2010-179651	8/10/2010			Undetermined
Methods And Apparatus For Managing The Charging And Discharging Of A Lithium Battery	Korea	Granted	10200007010402	3/12/1999	0391288	7/1/2003	Undetermined
Bandwidth Partitioning Using Emulated Weighted Fair Queuing (Efque)	Korea	Granted	2001-59078	9/24/2001	425061	3/18/2004	Undetermined
Internal Communication Protocol For Data Switching Equipment	Korea	Granted	2001-61077	8/29/2001	426062	3/19/2004	Undetermined
Switching Database Cache Management	Korea	Granted	2001-80203	12/17/2001	441033	7/9/2004	Undetermined
Control Channel Implementation In A Packet Switched Communications Network	Korea	Granted	2002-780	1/7/2002	438063	8/21/2004	Undetermined
Data Network Node Having Enhanced Security Features	Korea	Granted	2002-28933	5/24/2002	751991	8/28/2007	Undetermined
Method Of Packing The Synchronizing Of Routing Information...	Korea	Granted	2002-0050428	10/4/2002	473490	2/17/2006	Undetermined
Class-Based Rate Control Using Multi-Threshold Leaky Bucket	Korea	Granted	2003-80894	12/13/2003	10-0044445	11/2/2006	Undetermined
Combined Pipelined Packet Classification And Address Search Method And Apparatus For Switching Environments	Korea	Granted	2005-0057585	8/30/2005	10-0097568	3/14/2007	Undetermined
Hypothetical Reference Decoder For Compressed Image And Video	Korea	Granted	2006-7004476	3/3/2006	10/0777486	11/12/2007	Undetermined
Scanning Threshold	Korea	Granted	1020107007381	9/4/2008	10-1199008	10/31/2012	Undetermined
Network Allocation	Korea	Granted	10-7007307	9/4/2008	10-1159434	8/18/2012	Undetermined
Systems And Methods For Network Facsimile Transmissions	Korea	Pending	1020117016269	2/12/2010			Undetermined
Systems And Methods Of Improved Heat Dissipation With Variable Pitch Grid Array Packaging	Malaysia	Pending	PI2011005110	7/2/2009			Undetermined
Method For Manufacturing Multi-Chip Modules Utilizing Direct Lead Attach	Sweden	Granted	97917905.8	4/10/1997	0692987	4/10/1997	Undetermined
Digital Isolation Apparatus And Method	Taiwan	Granted	88103973	3/15/1999	NI-120691	2/8/2001	Undetermined
Electronic Inductor Circuit Using Cascoded Transistors	Taiwan	Granted	88115010	9/14/1999	NI-142051	1/29/2002	Undetermined
Multi-Task Plug-In Architecture For Software Modem	Taiwan	Granted	88116019	11/4/1999	I-221718	10/1/2004	Undetermined
A Method Of Frequency Domain Filtering Employing A Real To Analytic Transform	Taiwan	Granted	88115062	11/4/1999	NI-1414C9	1/18/2002	Undetermined
Telephone Line Interface Circuit With Intelligent Line Current Control	Taiwan	Granted	89109066	5/12/2000	NI-164214	2/20/2003	Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
System And Method For Providing Soft Audio And Soft Modem Copy Protection For Hardware Interfaces And Software Code	Taiwan	Granted	69118783	6/7/2000	163810	8/6/2002	Undetermined
Communication On Hold	Taiwan	Granted	69118158	9/6/2000	179236	10/6/2003	Undetermined
Fast Connect, Quick Reconnect And Connection On Hold Mechanism	Taiwan	Granted	80118157	9/5/2000	179692	10/14/2003	Undetermined
Quick Connect Parameter Exchange	Taiwan	Granted	89118159	9/5/2000	152147	12/19/2002	Undetermined
Communication On Hold Notifier	Taiwan	Granted	89123997	11/10/2000	159201	11/6/2002	Undetermined
Unified Algorithm For Frame Scheduling And Buffer Management In Differentiated Services Network	Taiwan	Granted	90104184	2/23/2001	NI-157016	9/27/2002	Undetermined
Method And Apparatus For Powering Down A Line Driver	Taiwan	Granted	90107380	4/2/2001	183910	7/23/2002	Undetermined
Method And Apparatus For Medium Access Control In Powerline Communication Network Systems	Taiwan	Granted	90118820	6/7/2001	170069	12/11/2002	Undetermined
Method And Apparatus For Dual-Band Modulation In Powerline Communication Network Systems	Taiwan	Granted	90113821	6/7/2001	170676	5/23/2003	Undetermined
Bandwidth Partitioning Using Emulated Weighted Fair Queuing (WFQ)	Taiwan	Granted	90123485	8/24/2001	NI-247612	1/11/2005	Undetermined
Buffer Management For Support Of Quality Of Service Guarantees And Data Flow Control In Data Switching	Taiwan	Granted	90123484	8/24/2001	173946	7/14/2003	Undetermined
Internal Communication Protocol For Data Switching Equipment	Taiwan	Granted	90124092	8/28/2001	178782	9/24/2003	Undetermined
Switching Database Cache Management	Taiwan	Granted	90131250	12/17/2001	176791	8/21/2003	Undetermined
Control Channel Implementation In A Packet Switched Communications Network	Taiwan	Granted	90133382	12/31/2001	184863	1/11/2004	Undetermined
Data Network Node Having Enhanced Security Features	Taiwan	Granted	91108738	4/26/2002	189973	3/4/2004	Undetermined
Digital Isolation Barrier As Interface Bus For Modems	Taiwan	Granted	91109393	5/3/2002	I221363	9/21/2004	Undetermined
Method Of Pacing The Synchronizing Of Routing Information..	Taiwan	Granted	91121635	8/20/2002	204655	7/11/2004	Undetermined
Class-Based Rate Control Using Multi-Threshold Leaky Bucket	Taiwan	Granted	92135083	12/11/2003	I-247507	1/14/2005	Undetermined
Apparatus For Link Failure Detection On High Availability Ethernet Backplane	Taiwan	Granted	92136285	12/19/2003	I274886	3/1/2007	Undetermined
Methods And Apparatus Providing Rapid End-To-End Failover In A Packet-Switched Communications Network	Taiwan	Granted	94120235	6/17/2005	I295535	4/1/2006	Undetermined
Remote Control Of An Ethernet Switching Node In A Stack Of Switching Nodes	Taiwan	Granted	94122998	7/7/2005	289013	10/21/2007	Undetermined
Systems And Method For Frequency Based Satellite Channel Scanning	Taiwan	Granted	095116118	5/5/2006	I313110	8/1/2009	Undetermined
Microphone Array Calibration Method And Apparatus	Taiwan	Published	981143848	12/21/2009			Undetermined
Systems And Methods For Network Facsimile Transmissions	Taiwan	Pending	099104616	2/11/2010			Undetermined
Systems And Methods For Reducing Rub And Buzz Distortion In A Loudspeaker	Taiwan	Published	099105473	2/25/2010			Undetermined
Systems And Methods Of Improved Heat Dissipation With Variable Pitch Grid Array Packaging	Taiwan	Published	099121577	6/30/2010			Undetermined
Noise-Shaped Scrambler For Reduced Out-Of-Band Common-Mode Interference	Taiwan	Published	099128622	8/25/2010			Undetermined
Systems And Methods For Offset Cancellation Method For Dc-Coupled Audio Drivers	Taiwan	Pending	099137772	11/3/2010			Undetermined
Systems And Methods For Reducing Rub And Buzz Distortion In A Loudspeaker	Taiwan	Published	099144830	12/22/2010			Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Systems And Methods For Echo Cancellation And Echo Suppression	Taiwan	Published	100103695	1/7/2011			Undetermined
Systems And Methods For Improved Heat Dissipation In Semiconductor Packages	Taiwan	Published	100129949	4/22/2011			Undetermined
Grounding Switch Method And Apparatus	Taiwan	Published	100121870	6/22/2011			Undetermined
Systems And Methods For Generating Chamber Base	Taiwan	Published	100122083	6/23/2011			Undetermined
Auto Driver System And Method	Taiwan	Published	100126193	7/15/2011			Undetermined
A Wave Shaping System To Prevent Electrical And Mechanical Saturation In Loud Speakers	Taiwan	Published	100126181	7/15/2011			Undetermined
Systems And Methods For Heat Dissipation Using Thermal Cordsets	Taiwan	Published	100126062	8/5/2011			Undetermined
Apparatus And Method For A Smooth Powerup Of A Reference Signal	Taiwan	Published	100129834	8/19/2011			Undetermined
Active Surge Protection Circuit	United Kingdom	Granted	93109224.1	6/6/1993	0576889	4/16/1997	Undetermined
Register File With Multi-Tasking Support	United Kingdom	Granted	95112305.8	8/4/1999	0896772	2/6/2002	Undetermined
Method And Apparatus For Coupling Multiple Independent On-Chip Vdd Busses To An ESD Core Clamp	United Kingdom	Granted	96106205.4	4/19/1996	0740344	7/24/2002	Undetermined
Method For Manufacturing Multi-Chip Modules Utilizing Direct Lead Attach	United Kingdom	Granted	97917905.8	4/10/1997	0892987	4/10/1997	Undetermined
Integrated Circuit Device With Embedded Flash Memory And Method For Manufacturing Same	United Kingdom	Granted	97931196.6	6/17/1997	0852813	2/11/2009	Undetermined
Fast Resynchronization System For High-Speed Data Transmission	United Kingdom	Granted	97116816.0	9/26/1997	0893476	2/29/2005	Undetermined
Sample Rate Conversion For Synchronous Variable Rate	United Kingdom	Granted	97116958.5	9/30/1997	0805889	11/30/2005	Undetermined
Orthogonal Lms Algorithms For Fast Line Echo Canceller Training	United Kingdom	Granted	98915232.7	3/5/1998	0983538	3/21/2012	Undetermined
Method And Apparatus For Synchronizing A Data Communication System To A Periodic Digital Impairment	United Kingdom	Granted	99902328.6	1/19/1999	1050127	9/6/2004	Undetermined
Method And Apparatus For Monitoring, Controlling, And Configuring Local Communication Devices	United Kingdom	Granted	99909790.0	3/4/1999	1080614	12/29/2010	Undetermined
Methods And Apparatus For Managing The Charging And Discharging Of A Lithium Battery	United Kingdom	Granted	99911373.1	3/12/1999	1064710	11/13/2002	Undetermined
Method And Apparatus For Identifying The Encoding Type Of A Central Office Codec	United Kingdom	Granted	99943944.1	8/26/1999	1118242	5/12/2004	Undetermined
Multi-Task Plug-In Architecture For Software Modem	United Kingdom	Granted	99989260.7	9/17/1999	1114548	9/2/2009	Undetermined
Timing Recovery For A High Speed Digital Data Communication System Based On Adaptive Equalizer Impulse Response Characteristics	United Kingdom	Granted	99948492.6	9/28/1999	1118163	7/9/2003	Undetermined
Modem Having A Digital High Voltage Isolation Barrier	United Kingdom	Granted	99972401.6	11/3/1999	1131948	10/5/2011	Undetermined
Telephone Line Interface Circuit With Intelligent Line Current And Voltage Control	United Kingdom	Granted	00932198.6	5/9/2000	1095497	7/30/2003	Undetermined
Quick Connect Parameter Exchange	United Kingdom	Granted	00947471.3	7/18/2000	1201077	11/29/2007	Undetermined
Communication On Hold	United Kingdom	Granted	00960150.1	7/18/2000	1198948	12/22/2010	Undetermined
Method And Apparatus For Quick Modem Reconnect	United Kingdom	Granted	02002840.3	7/18/2000	1223734	9/12/2007	Undetermined
Connection On Hold Mechanism	United Kingdom	Granted	02002841.1	7/18/2000	1223723	6/29/2011	Undetermined
Method And Apparatus For Multiple Channel Signal Processing	United Kingdom	Granted	02068843.5	9/25/2000	1219087	2/7/2007	Undetermined
Asynchronous Centralized Multi-Channel Dma Controller	United Kingdom	Granted	00975211.4	9/27/2000	1222551	6/28/2006	Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Demodulator Circuit	United Kingdom	Granted	09907576.8	12/8/2000	1348286	7/19/2005	Undetermined
Power Line Networking Apparatus And Method	United Kingdom	Granted	01981343.5	10/1/2001	1323248	6/29/2011	Undetermined
Digital Isolation Barrier As Interface Bus For Modems	United Kingdom	Published	02260712.5	3/20/2002			Undetermined
Method Of Pacing The Synchronizing Of Routing Information	United Kingdom	Granted	0221109.2	9/12/2002	2381984	4/27/2004	Undetermined
Dc Offset Correction For Direct Conversion Receiver	United Kingdom	Pending	04813313.6	12/8/2004			Undetermined
Method For Arranging Signal Points In A Quadrature Amplitude Modulation/Demodulation System	United States	Granted	08/080,510	2/15/1990	5,815,400	5/7/1996	Undetermined
Backup Apparatus Against Line Defect And Backup Methods Against Line Defect	United States	Granted	08/330,604	3/12/1992	5,515,429	9/7/1996	Undetermined
Demodulator For Consumer Uses Psk Demodulator (In Canada)	United States	Granted	07/998,300	12/30/1992	5,660,869	6/27/1996	Undetermined
Timing Generation Device And Data Transmission Device Having The Timing Generation Device	United States	Granted	08/009,103	1/26/1993	5,570,390	10/28/1996	Undetermined
Automatic Equalizer And Data Mode Convergence Method	United States	Granted	08/441,014	2/1/1993	5,598,433	1/28/1997	Undetermined
Demodulation And Roll-Off Filter Apparatus	United States	Granted	08/029,238	3/10/1993	5,557,632	9/17/1996	Undetermined
Transmission Signal Processing Apparatus	United States	Granted	08/031,621	3/15/1993	5,583,887	12/10/1996	Undetermined
Modulator-Demodulator Device Capable Of Detecting An Unsynchronized Frame State	United States	Granted	08/053,604	4/29/1993	5,672,537	11/6/1996	Undetermined
Modulator-Demodulator Device Capable Of Detecting An Unsynchronized Frame State	United States	Granted	08/053,603	4/29/1993	5,574,737	11/12/1996	Undetermined
Transmitting And Receiving Apparatus And Method Including Punctured Convolutional Encoding And Decoding	United States	Granted	08/066,292	5/24/1993	5,438,590	8/1/1996	Undetermined
Method Of Estimating Location And Orientation Of Magnetic Dipoles Using Extended Kalman Filtering And Schweppe Likelihood Ratio Detection	United States	Granted	08/080,907	6/21/1993	5,381,095	1/10/1995	Undetermined
Two-Wire Full-Duplex Modem	United States	Granted	08/039,190	7/12/1993	5,631,923	5/20/1997	Undetermined
Initialization Equalization For Modulation And Demodulation Using Special Training Pattern	United States	Granted	08/508,479	8/19/1993	5,537,437	7/16/1996	Undetermined
Modulator And Demodulator Apparatus As Well As Modulation And Demodulation Method	United States	Granted	08/108,538	8/19/1993	5,569,799	9/24/1996	Undetermined
Modulator And Demodulator Apparatus	United States	Granted	08/108,547	8/19/1993	5,626,643	4/29/1997	Undetermined
Branch Decision Encoding Scheme	United States	Granted	08/165,891	11/23/1993	5,473,754	12/5/1995	Undetermined
Method And Apparatus For Synchronizing Transmission Of Modem Trans-Mission By Controlling A Measured Phase Difference Between An Internal Timing Signal And A Transmission Timing Signal	United States	Granted	08/160,917	12/3/1993	5,548,993	7/15/1997	Undetermined
Gain And Offset Control For Charge Based Signals	United States	Granted	08/130,802	12/8/1993	5,422,924	8/6/1995	Undetermined
Supply Sensing Power-On Reset Circuit	United States	Granted	08/165,939	1/27/1994	5,463,336	10/31/1995	Undetermined
Use Of Al Commands To Test Modem With Hp3065	United States	Granted	08/199,437	2/22/1994	5,463,633	10/31/1995	Undetermined
Compensated Hybrid	United States	Granted	08/270,538	7/5/1994	5,541,900	7/30/1996	Undetermined
Exit Protection For Submicron Cmos Circuits	United States	Granted	08/280,417	7/26/1994	5,448,162	8/6/1995	Undetermined
Register File With Multi-Tasking Support	United States	Granted	08/267,017	8/8/1994	5,665,132	8/5/1997	Undetermined
Non-Interrupted Operation Control Apparatus For A Modulator-Demodulator	United States	Granted	08/862,712	5/12/1995	5,983,362	11/9/1999	Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Reciprocal Number Arithmetic Operating Method And Circuit Which Are Used In Modem	United States	Granted	08/469,186	5/6/1995	5,650,953	7/22/1997	Undetermined
Modulator And Demodulator Apparatus	United States	Granted	08/472,291	6/7/1995	5,563,808	10/9/1996	Undetermined
Automatic Equalizer With A Branched Input For Improved Accuracy	United States	Granted	08/624,835	9/7/1995	5,698,434	1/28/1997	Undetermined
Loop Gain Processing System For Speakerphone Applications	United States	Granted	08/531,992	9/21/1995	5,612,996	3/18/1997	Undetermined
Efficient Speakerphone Anti-Howling System	United States	Granted	08/531,993	9/21/1995	5,646,990	7/9/1997	Undetermined
Training Method For Non-Nyquist Transmission System And Training Data Transmission Apparatus For Non-Nyquist Transmission System	United States	Granted	08/639,067	10/4/1995	6,021,160	2/1/2000	Undetermined
Signal Processing Apparatus	United States	Granted	08/643,056	10/13/1995	6,154,430	11/28/2000	Undetermined
Eye Pattern Display Method, Eye Pattern Display Apparatus, And Communications Apparatus	United States	Granted	08/547,614	10/24/1995	5,937,064	11/16/1999	Undetermined
Method And Apparatus For Simultaneously Displaying Distribution Patterns Of Equalized Output Signals From Multiple Channels	United States	Granted	08/666,485	12/4/1995	5,629,957	5/13/1997	Undetermined
Audio Mixer For Digital Cordless Telephone	United States	Granted	08/568,049	12/6/1995	5,896,576	4/20/1999	Undetermined
Selective Configuration Of Operating Programs Stored In An Application Specific Integrated Circuit	United States	Granted	08/560,840	12/7/1995	5,852,551	12/22/1998	Undetermined
Reduced Sensitivity Power-On Reset Circuitry	United States	Granted	08/610,421	3/15/1996	5,688,847	11/11/1997	Undetermined
Data Transmission System Having A Backup Testing Facility	United States	Granted	08/624,065	3/29/1996	5,689,613	11/18/1997	Undetermined
Apparatus And Method Of Recovering A Timing Signal In A Transmission Apparatus	United States	Granted	08/629,382	4/8/1996	5,825,818	10/20/1998	Undetermined
Remote Hang Up Detector	United States	Granted	08/653,185	5/24/1996	5,867,560	2/2/1999	Undetermined
Integrated Circuit Device With Embedded Flash Memory And Method For Manufacturing Same	United States	Granted	08/665,783	6/16/1996	5,921,087	9/19/2000	Undetermined
Fixed Equalizer And Equalizing Method	United States	Granted	08/688,578	7/29/1996	5,694,422	12/9/1997	Undetermined
Optimized Simultaneous Audio And Data Transmission Using Qadim With Phase Randomization	United States	Granted	08/699,269	8/19/1996	5,742,679	4/21/1998	Undetermined
Fast Resynchronization System For High-Speed Data Transmission	United States	Granted	08/721,149	9/26/1996	5,870,438	2/9/1999	Undetermined
Distributed Decimation Sample Rate Conversion	United States	Granted	08/724,168	9/30/1996	5,880,980	3/9/1999	Undetermined
System For Dynamically Adapting The Length Of A Filter	United States	Granted	08/726,167	10/4/1996	5,909,384	6/1/1999	Undetermined
Method And Apparatus For Coupling Multiple Independent On-Chip Vdd Busses To An Esd Core Clamp	United States	Granted	08/732,752	10/18/1996	5,654,862	8/6/1997	Undetermined
Transmission Apparatus And Control Method Therefor	United States	Granted	08/748,346	11/14/1996	6,002,724	12/14/1999	Undetermined
High Speed Current Sense Amplifier	United States	Granted	08/756,203	11/26/1996	5,834,953	11/10/1998	Undetermined
Orthogonal Lms Algorithms For Fast Line Echo Canceler Training	United States	Granted	08/828,402	3/31/1997	5,908,426	6/1/1999	Undetermined
Modem Signal Transmitter, Modem Signal Transmitting Method, Modem Signal Receiver, Modem Signal Receiving Method, Modem Signal Transmitting/Receiving System And Modem Signal Transmitting/Receiving Method	United States	Granted	08/833,260	4/4/1997	6,044,109	3/28/2000	Undetermined

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SCHEDULE B - PERSONAL PROPERTY
Rider B.22 - Patents, Copyrights, and Other Intellectual Property

Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Sample Rate Conversion For Synchronous Variable Rate	United States	Granted	08/938,890	4/11/1997	5,916,301	6/29/1999	Undetermined
System And Method For Establishing Priorities In Transferring Data In Burst Counts From A Memory To A Plurality Of Fifo Stages, Each Having A Low, Intermediate, And High Region	United States	Granted	08/845,594	4/23/1997	5,983,318	11/9/1999	Undetermined
Fast Ethernet Combination Chaining Of Auto-Negotiations For Multiple Physical Layer Capability	United States	Granted	08/812,547	8/18/1997	5,922,052	7/13/1999	Undetermined
4X4 Dimensional Block Modulation Code For A Pnm-5 Constellation	United States	Granted	08/925,552	9/8/1997	6,057,326	5/23/2000	Undetermined
Process And System For Transferring Vector Signal With Precoding For Signal Power Reduction	United States	Granted	08/925,495	9/8/1997	6,009,123	12/28/1999	Undetermined
Process And System For Transferring Vector Signal With Precoding For Signal Power Reduction	United States	Granted	08/925,495	9/9/1997	6,026,122	2/15/2000	Undetermined
Process And System For Transferring Vector Signal With Precoding For Signal Power Reduction	United States	Granted	08/925,181	9/9/1997	6,194,768	8/16/2000	Undetermined
Error Indicator, And Data Modulator-Demodulator And Indicating Method Of Light Emitter Therein	United States	Granted	08/942,977	10/2/1997	6,061,391	8/9/2000	Undetermined
Frequency Modulation Method And Modem Unit Employing Such Method	United States	Granted	08/858,653	10/23/1997	6,262,246	8/26/2001	Undetermined
Non-Coherent Frequency Shift Keying Detection Scheme	United States	Granted	08/992,034	12/17/1997	6,272,184	8/7/2001	Undetermined
Method And Apparatus For Synchronizing A Data Communication System To A Periodic Digital Impairment	United States	Granted	09/009,220	1/20/1998	6,023,493	2/8/2000	Undetermined
Digital Isolation Apparatus And Method	United States	Granted	09/038,744	3/16/1998	6,169,801	1/2/2001	Undetermined
Methods And Apparatus For Managing The Charging And Discharging Of A Lithium Battery	United States	Granted	09/045,276	3/20/1998	6,946,218	9/7/1999	Undetermined
Programmable Data Access Arrangement Having Combined Command Signals	United States	Granted	09/075,451	5/9/1998	6,128,373	10/3/2000	Undetermined
Recursive Multi-Bit Add With Predictor	United States	Granted	09/079,365	5/15/1998	6,160,834	8/8/2000	Undetermined
Method And System For Combining Multiple Images Into A Single Higher-Quality Image	United States	Granted	09/087,735	5/29/1998	6,100,937	8/8/2000	Undetermined
System And Method For Performing Telephone Line-In-Use Detection, Extension Pick-Up Detection, And Remote Hang-Up Detection In A Modem	United States	Granted	09/086,851	6/11/1998	6,104,791	8/15/2000	Undetermined
A Battery Charger And Power Source Employing An Environmental Energy Extractor And A Method Related Thereto	United States	Granted	09/094,735	6/15/1998	6,037,743	3/14/2000	Undetermined
Photonic Clock Distribution Method And Apparatus For Electronic Systems	United States	Granted	09/121,470	7/23/1998	6,202,165	3/13/2001	Undetermined
Monolithic Generation Of RF For Wireless Transmission Of Video	United States	Granted	09/121,476	7/23/1998	6,714,280	3/30/2004	Undetermined
Methods And Apparatus For A High Efficiency Charge Pump	United States	Granted	09/143,684	8/31/1998	6,168,585	12/26/2000	Undetermined
Adaptive Method For Y-C Separation In Video Signals	United States	Granted	09/146,087	9/2/1998	6,055,024	4/25/2000	Undetermined
Electronic Inductor Circuit Using Cascoded Transistors	United States	Granted	09/153,062	9/16/1998	6,104,230	8/15/2000	Undetermined
Method For Detecting Dropouts In Data Delivered Over A Bandwidth-Limited Bus	United States	Granted	09/168,802	9/22/1998	6,648,328	10/26/2003	Undetermined
Method And Apparatus For Deriving Power From A Clock Signal Coupled Through Capacitors	United States	Granted	09/161,209	9/25/1998	6,389,135	5/14/2002	Undetermined

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SCHEDULE B - PERSONAL PROPERTY
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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Echo Cancelling Modem Which Dynamically Switches Sizes Of Sample Buffer Between First Size For Quick Response Time And Second Size For Robustness To Interrupt Latency	United States	Granted	09/163,054	9/29/1998	6,108,720	8/22/2000	Undetermined
Timing Recovery For A High Speed Digital Data Communication System Based On Adaptive Equalizer Impulse Response Characteristics	United States	Granted	09/162,493	9/29/1998	6,414,990	7/2/2002	Undetermined
Method And Apparatus For Canceling Periodic Interference Signals In A Digital Data Communication System	United States	Granted	09/164,530	9/30/1998	6,434,233	8/13/2002	Undetermined
Method And Apparatus For Controlling The Programming And Erasing Of Flash Memory	United States	Granted	09/163,776	9/30/1998	6,421,757	7/16/2002	Undetermined
Dynamic Microcode For Embedded Processors	United States	Granted	09/164,256	9/30/1998	6,263,429	7/17/2001	Undetermined
Method And Apparatus For Identifying The Encoding Type Of A Central Office Codec	United States	Granted	09/164,156	9/30/1998	6,381,266	4/30/2002	Undetermined
Apparatus And Method For Power Management Of Embedded Subsystems	United States	Granted	09/165,781	10/2/1998	6,183,845	12/19/2000	Undetermined
Method For Detecting Nonlinear Distortion Using Moment Invariants	United States	Granted	09/179,637	10/27/1998	6,192,227	2/20/2001	Undetermined
Method And Apparatus For Monitoring, Controlling And Configuring Local Communication Devices	United States	Granted	09/192,627	11/16/1998	6,314,476	11/8/2001	Undetermined
Variable Sample Rate Converter Adaptable To Rational Ratios	United States	Granted	09/192,617	11/16/1998	6,288,794	9/11/2001	Undetermined
Modem Having A Digital High Voltage Isolation Barrier	United States	Granted	09/193,222	11/16/1998	6,351,530	2/26/2002	Undetermined
Two-Dimensional Direct Memory Access In Image Processing Systems	United States	Granted	09/192,616	11/16/1998	6,449,664	9/10/2002	Undetermined
Method And Apparatus For Monitoring, Controlling And Configuring Local Communication Devices	United States	Granted	09/193,304	11/17/1998	6,330,597	12/11/2001	Undetermined
Modulation Method And Apparatus	United States	Granted	09/209,235	12/10/1998	6,052,037	4/18/2000	Undetermined
Method And Apparatus For Training Linear Equalizers In A Pcm Modem	United States	Granted	09/213,981	12/17/1998	5,949,819	9/7/1999	Undetermined
System And Method For Performing Telephone Line-In-Use Detection, Extension Pick-Up Detection, And Remote Hang-Up Detection In A Modem	United States	Granted	09/224,762	1/4/1999	6,075,845	6/13/2000	Undetermined
Control Of Command Transmission And Reception In A Data Transmission Device And Data Transmission Device Therefor	United States	Granted	09/228,406	1/6/1999	6,247,092	6/12/2001	Undetermined
System And Method For Performing Signal Acceleration On An Aa Link Bus	United States	Granted	09/237,146	1/25/1999	6,369,033	5/14/2002	Undetermined
Method Of Validating Equalizer Training	United States	Granted	09/343,673	1/30/1999	6,445,734	9/3/2002	Undetermined
Comb Filtered Signal Separation	United States	Granted	09/244,842	2/4/1999	6,175,389	1/16/2001	Undetermined
Information Server For Kernel And Passive Mode Systems	United States	Granted	09/250,458	2/16/1999	6,351,845	2/26/2002	Undetermined
System And Method For Implementing Multi-Level Resolution Conversion Using Modified Linear Interpolation	United States	Granted	09/251,696	2/17/1999	6,459,430	10/1/2002	Undetermined
Feedback-Controlled Low Voltage Current Sink/Source	United States	Granted	09/261,981	3/4/1999	6,172,556	1/9/2001	Undetermined
Analog Offset Cancellation Method And Circuit And Amplifier Using Such Circuit	United States	Granted	09/265,480	3/9/1999	6,300,824	10/8/2001	Undetermined
Selection Of Functions Within An Integrated Circuit	United States	Granted	09/274,890	3/23/1999	6,385,756	5/7/2002	Undetermined
Integrated Bit Rotation And Row Alignment Within Digital Image Printing Systems	United States	Granted	09/282,956	4/1/1999	6,456,369	9/24/2002	Undetermined

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SCHEDULE B - PERSONAL PROPERTY
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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Image Data Addressing For Bit Rotation Block Within Digital Image Processors	United States	Granted	09/202,049	4/1/1999	6,449,057	9/10/2002	Undetermined
Flexible Array Image Data Processing For Ink Jet Nozzle Data Control In Digital Image Printing Systems	United States	Granted	09/285,876	4/1/1999	6,636,328	10/21/2003	Undetermined
Image Processor That Performs Edge Enhancement Using A Dynamic Threshold	United States	Granted	09/290,854	4/13/1999	7,285,873	9/4/2007	Undetermined
Electronic Device Attachment Methods And Apparatus For Forming An Assembly	United States	Granted	09/295,662	4/21/1999	6,424,541	7/23/2002	Undetermined
System And Method For Providing Soft Audio And Soft Modem Copy Protection For Hardware Interfaces And Software Code	United States	Granted	09/309,205	5/10/1999	6,195,766	2/27/2001	Undetermined
Telephone Line Interface Circuit With Intelligent Line Current Control	United States	Granted	09/312,412	5/14/1999	6,781,749	8/4/2004	Undetermined
Telephone Line Interface Circuit With Virtual Impedance	United States	Granted	09/312,218	5/14/1999	6,647,114	11/11/2003	Undetermined
Seamless Transition Between Communication Characteristics Of Communication Devices	United States	Granted	09/339,353	6/23/1999	6,866,522	4/29/2003	Undetermined
Low Power Fading Amplifier	United States	Granted	09/340,255	6/30/1999	6,157,257	12/9/2000	Undetermined
V.34 HdxFallback To G3 Facsimile For T.38 Gateways	United States	Granted	09/345,269	6/30/1999	7,046,362	5/16/2006	Undetermined
Standalone Telephone Answering Machine With Store And Forward Facsimile	United States	Granted	09/349,670	7/8/1999	6,370,239	4/9/2002	Undetermined
Method And Apparatus For Data Transmission	United States	Granted	09/360,262	7/23/1999	6,243,414	6/6/2001	Undetermined
Transmission Rate Control For Continuous-Tone Facsimile	United States	Granted	09/370,313	8/9/1999	6,771,393	8/9/2004	Undetermined
Unique Serial Number Method For A System Device	United States	Granted	09/379,884	8/24/1999	6,490,637	12/6/2002	Undetermined
Low Voltage Reference With Power Supply Rejection Ratio	United States	Granted	09/393,238	9/9/1999	6,118,266	9/12/2000	Undetermined
Switching Power Supply For Generating A Ringing Voltage	United States	Granted	09/397,413	9/16/1999	6,700,974	3/2/2004	Undetermined
Method And Apparatus For Multiple Channel Signal Processing	United States	Granted	09/406,954	9/26/1999	6,462,424	9/17/2002	Undetermined
Method Of Slowing And Speeding The Playback Of Recorded Audio Sound Without Changing The Pitch	United States	Granted	09/407,465	9/26/1999	6,278,387	8/21/2001	Undetermined
Non-Linear Equalization For The Upstream Data Connection Of 56K Pcm Modems	United States	Granted	09/408,367	6/28/1999	6,650,698	11/16/2003	Undetermined
High Voltage Tolerant Output Drive For Sustained Tri-State Signal Lines	United States	Granted	09/408,455	9/30/1999	6,388,467	5/14/2002	Undetermined
Variable Sample Rate Converter Adaptable To Rational Ratios	United States	Granted	09/409,369	9/30/1999	6,726,308	4/27/2004	Undetermined
Microprocessor Extensions For Two-Dimensional Graphics Processing	United States	Granted	09/409,619	9/30/1999	6,707,467	3/16/2004	Undetermined
Detection Of Receive Event On Home Network To Verify Functional Media	United States	Granted	09/409,360	9/30/1999	6,768,720	7/27/2004	Undetermined
Line In Use Detection	United States	Granted	09/409,368	9/30/1999	6,359,972	3/19/2002	Undetermined
Dct Domain Conversion Of A Higher Definition Signal To Lower Definition Signal	United States	Granted	09/409,823	9/30/1999	6,580,938	7/9/2003	Undetermined
Asynchronous Centralized Multi-Channel Data Controller	United States	Granted	09/409,820	9/30/1999	6,532,511	3/11/2003	Undetermined
Method For Automated Placement Of Cells In An Integrated Circuit Layer	United States	Granted	09/411,417	10/1/1999	6,559,046	4/15/2003	Undetermined
Optimization Of Memory Requirements For Multi-Threaded Operating Systems	United States	Granted	09/415,396	10/8/1999	6,738,798	5/18/2004	Undetermined
Signaling Mechanism For Modem Connection Holding And Reconnecting	United States	Granted	09/416,482	10/12/1999	6,785,371	8/31/2004	Undetermined

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SCHEDULE B - PERSONAL PROPERTY
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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Method And Apparatus For Addressing And Controlling Expansion Devices Through An Ac-Link And A Codec	United States	Granted	09/432,434	11/2/1999	6,529,975	3/4/2003	Undetermined
Method And Apparatus For Facilitating Ac-Link Communications Between A Controller And A Slow Peripheral Of A Codec	United States	Granted	09/432,141	11/2/1999	6,434,633	8/13/2002	Undetermined
Video Signal Coding Systems And Processes Using Adaptive Quantization	United States	Granted	09/432,992	11/3/1999	6,603,813	8/5/2003	Undetermined
Apparatus And Method For Down-Conversion Video De-Interlacing	United States	Granted	09/439,920	11/12/1999	6,898,243	5/24/2005	Undetermined
A Broadband, Quadrature Frequency Doubler And Quadrupler	United States	Granted	09/461,647	12/14/1999	6,564,045	6/13/2003	Undetermined
High Speed Storing Of Dual Port Static Ram Cell	United States	Granted	09/467,285	12/20/1999	6,134,165	10/17/2000	Undetermined
Method And Apparatus For Implementing Enhanced Multiple Modulus Conversion Techniques In A Signal Point Mapping Context	United States	Granted	09/476,856	1/3/2000	6,436,158	8/20/2002	Undetermined
System For Adjusting Clock Frequency Based Upon Amount Of Unread Data Stored In Sequential Memory When Reading A New Line Of Data Within A Field Of Data	United States	Granted	09/476,849	1/3/2000	6,581,164	8/17/2003	Undetermined
A System And Method Of Video Frame Memory Reduction Per Video Decoders	United States	Granted	09/486,225	1/10/2000	6,603,361	2/17/2004	Undetermined
System For Loading A Saved Write Pointer Into A Read Pointer Of A Storage At Desired Synchronization Points Within A Horizontal Video Line For Synchronizing Data	United States	Granted	09/487,138	1/19/2000	6,576,093	8/10/2003	Undetermined
System Of And Method For Efficiently Performing Computations Through Extended Booth Encoding Of The Operands Thereto	United States	Granted	09/504,392	2/16/2000	6,684,238	8/27/2004	Undetermined
Apparatus And Method For Adaptive Digital Video Quantization	United States	Granted	09/507,305	2/18/2000	6,782,135	8/24/2004	Undetermined
A Single Clock Cycle Crc Engine	United States	Granted	09/516,373	3/1/2000	6,629,288	9/30/2003	Undetermined
Modem Using Phase Coherence To Adapt For Missing Transmission Samples	United States	Granted	09/532,346	3/21/2000	6,662,321	12/9/2003	Undetermined
Method Of Regulating Power Transfer Across An Isolation Barrier	United States	Granted	09/534,673	3/24/2000	6,619,339	2/11/2003	Undetermined
Method And Apparatus For Powering Down A Line Driver	United States	Granted	09/543,201	4/5/2000	6,307,408	10/23/2001	Undetermined
Quick Connect Parameter Exchange	United States	Granted	09/557,233	4/24/2000	6,704,399	3/9/2004	Undetermined
System And Method For Performing Telephone Line-In-Use Detection, Extension Pick-Up Detection, And Remote Hung-Up Detection In A Modem	United States	Granted	09/573,040	5/17/2000	6,301,341	10/9/2001	Undetermined
Frequency Synthesis Scheme To Avoid Gaps And Vac Pulling In Dbs Systems	United States	Granted	09/588,992	6/6/2000	6,958,020	11/22/2005	Undetermined
Autoconfiguration Of Communication Device Input Or Output Terminal	United States	Granted	09/588,830	6/7/2000	6,874,041	3/29/2005	Undetermined
Communication On Hold	United States	Granted	09/592,707	8/13/2000	6,731,726	5/4/2004	Undetermined
Calibrating For Errors In A Plurality Of Signal Sources Such As Current Or Voltage Sources	United States	Granted	09/611,294	7/7/2000	6,642,859	11/4/2003	Undetermined
Modem Data Access Arrangement Without Diode Bridge	United States	Granted	09/616,097	7/14/2000	6,427,011	7/30/2002	Undetermined
Modem Dual Without Hookswitch Relay	United States	Granted	09/618,336	7/16/2000	6,714,645	3/30/2004	Undetermined
Network Telephony	United States	Granted	09/620,871	7/21/2000	6,647,108	11/11/2003	Undetermined
Universal Serial Bus Data Pump Command Interpreter	United States	Granted	09/626,037	7/26/2000	6,647,100	11/11/2003	Undetermined

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SCHEDULE B - PERSONAL PROPERTY
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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Slotted Synchronous Frequency Division Multiplexing For Multi-Drop Networks	United States	Granted	09/626,435	7/27/2000	6,975,685	12/13/2005	Undetermined
A Sliding Window Technique For Map Decoders	United States	Granted	09/629,122	7/31/2000	6,813,743	11/2/2004	Undetermined
Fall Duplex Speaker-Phone Providing Increased Loop Stability	United States	Granted	09/630,845	8/2/2000	6,795,547	9/21/2004	Undetermined
System And Method For Detecting Modifications Of Video Signals Designed To Prevent Copying By Traditional Video Tape Recorders	United States	Granted	09/634,285	8/8/2000	6,885,337	3/8/2005	Undetermined
Red Eye Removal Using Digital Color Image Processing	United States	Granted	09/641,406	8/17/2000	6,728,401	4/27/2004	Undetermined
High Speed Mac Address Search Engine	United States	Granted	09/643,587	8/22/2000	6,897,879	2/24/2004	Undetermined
Communication On Hold	United States	Granted	09/644,806	8/23/2000	6,890,776	2/10/2004	Undetermined
Signal Processing Apparatus	United States	Granted	09/657,693	9/8/2000	6,262,235	6/28/2001	Undetermined
Diode With Variable Width Metal Stripes For Improved Protection Against Electrostatic Discharge (Esd) Current Failure	United States	Granted	09/667,384	9/21/2000	6,518,504	2/11/2003	Undetermined
Fully Synthesizable And Highly Area Efficient Very Large Scale Integration (Vlsi) Electrostatic Discharge (Esd) Protection Circuit	United States	Granted	09/672,165	9/27/2000	6,843,109	11/4/2003	Undetermined
Packet-Based Direct Memory Access	United States	Granted	09/672,160	9/27/2000	6,766,383	7/20/2004	Undetermined
Power Line Networking Apparatus And Method	United States	Granted	09/676,983	10/4/2000	6,741,162	5/25/2004	Undetermined
Power Supply With Digital Data Coupling For Power-Line Networking	United States	Granted	09/679,414	10/5/2000	6,373,377	4/16/2002	Undetermined
Method And Apparatus For Hybrid Smart Center Loop For Clock Data Recovery	United States	Granted	09/615,627	12/5/2000	6,262,109	2/25/2003	Undetermined
Apparatus And Method For Power Management Of Embedded Systems	United States	Granted	09/734,522	12/11/2000	6,427,210	7/30/2002	Undetermined
System And Method For Providing Soft Audio And Soft Modem Copy Protection For Hardware Interfaces And Software Code	United States	Granted	09/734,848	12/11/2000	6,473,870	10/29/2002	Undetermined
K Replacement For Color Digital Image Printing	United States	Granted	09/746,965	12/21/2000	6,343,851	2/6/2002	Undetermined
Control Channel Implementation In A Packet Switched Communications Network	United States	Granted	09/758,870	1/8/2001	6,868,095	3/15/2005	Undetermined
A Method Of Frequency Domain Filtering Employing A Real To Analytic Transform	United States	Granted	09/758,536	1/10/2001	6,400,782	6/4/2002	Undetermined
Automatic Gain Control Circuit, Data Communication Device And Automatic Gain Control Method	United States	Granted	09/756,793	1/10/2001	6,882,684	4/19/2005	Undetermined
System And Method For Sensing A Sound System	United States	Granted	09/765,741	1/19/2001	6,757,398	6/29/2004	Undetermined
System And Process For Filtering Single Tone Signals	United States	Granted	09/776,970	2/5/2001	6,665,021	12/16/2003	Undetermined
Systems And Methods For A Partial Sum Digital FIR Filter	United States	Granted	09/777,622	2/5/2001	6,718,365	4/8/2004	Undetermined
Code Independent Charge Transfer Scheme For Switched-Capacitor Digital-To-Analog Converter	United States	Granted	09/785,890	2/16/2001	6,437,720	8/28/2002	Undetermined
Unified Algorithm For Frame Scheduling And Buffer Management In Differentiated Services Network	United States	Granted	09/792,152	2/22/2001	6,993,529	1/24/2006	Undetermined
Credit Based Pacing Scheme For Heterogeneous Speed Frame Forwarding	United States	Granted	09/794,104	2/26/2001	6,954,424	10/11/2005	Undetermined
Bandwidth Sharing Using Emulated Weighted Fair Queuing (Efq)	United States	Granted	09/808,652	3/15/2001	7,142,514	11/28/2006	Undetermined
Method And Apparatus For Conditioning An Analog Signal	United States	Granted	09/816,621	3/23/2001	6,884,841	12/18/2003	Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
System And Method For Detecting Valid Indicator Signals	United States	Granted	09/817,827	3/26/2001	6,556,607	2/15/2005	Undetermined
Single Switch Image For A Stack Of Switches	United States	Granted	09/824,951	4/3/2001	7,120,683	10/10/2006	Undetermined
Method And Apparatus For Synchronizing A Data Communications System To A Periodic Digital Impairment	United States	Granted	09/849,500	5/4/2001	RE36,678	12/28/2004	Undetermined
Circuit Board Capacitor Structure For Forming A High Voltage Isolation Barrier	United States	Granted	09/862,589	5/21/2001	7,016,490	3/21/2006	Undetermined
Data Network Node Having Enhanced Security Features	United States	Published	09/866,259	5/25/2001			Undetermined
Method And Apparatus For Medium Access Control In Powerline Communication Networks	United States	Granted	09/878,454	6/6/2001	6,654,089	2/6/2005	Undetermined
Method And System For Predictive Model Layout Generation With Reduced Design Cycle	United States	Granted	09/879,142	6/12/2001	6,728,942	4/27/2004	Undetermined
Non Real-Time Facsimile System For A Computing Device	United States	Granted	09/888,640	7/3/2001	6,790,670	9/26/2004	Undetermined
Efficient Data Retrieval From Input Coupling Queues	United States	Granted	09/899,426	7/6/2001	6,775,722	8/10/2004	Undetermined
Multiple Symbol Rate Burst Equalizer Training	United States	Granted	09/910,289	7/19/2001	7,051,976	6/13/2006	Undetermined
Multi-Mode Adaptive Filter	United States	Granted	09/912,283	7/24/2001	7,016,371	3/21/2006	Undetermined
Buffer Management For Support Of Quality Of Service Guarantees And Data Flow Control In Data Switching	United States	Granted	09/935,533	8/23/2001	6,999,418	2/14/2006	Undetermined
Method And System For Predictive Layout Generation For Inductors With Reduced Design Cycle	United States	Granted	09/941,663	8/28/2001	6,588,002	7/1/2003	Undetermined
Modem Utilizing Low Density Parity Check Codes	United States	Granted	09/961,838	9/24/2001	6,950,461	9/27/2005	Undetermined
Internal Communication Protocol For Data Switching Equipment	United States	Granted	09/966,691	9/28/2001	7,082,138	7/25/2006	Undetermined
Method Of Peeling The Synchronization Of Routing Information In A Data Switching Environment	United States	Granted	09/968,702	10/3/2001	7,257,134	8/14/2007	Undetermined
Method And System For Predictive Multi-Component Circuit Layout Generation With Reduced Design Cycle	United States	Granted	10/029,476	10/24/2001	6,839,887	1/4/2005	Undetermined
Circuit For Reducing Voltage Peak In Interfacing With A Telephone Line	United States	Granted	10/018,194	11/2/2001	7,008,628	2/26/2006	Undetermined
A Pin Grid Array Package With Controlled Impedance Pins	United States	Granted	10/005,564	11/9/2001	6,534,884	3/18/2003	Undetermined
Error Correction And Compression Parameter Exchange During Modem Training Phase	United States	Granted	10/034,602	12/29/2001	6,693,998	2/17/2004	Undetermined
Efficient Head Related Transfer Function Filter Generation	United States	Granted	10/054,359	1/17/2002	7,116,788	10/3/2006	Undetermined
Method And Apparatus For Processing Call Progress Of A Serial Communication Device	United States	Granted	10/099,582	3/15/2002	6,711,245	3/23/2004	Undetermined
Digital Isolation Barrier As Interface Bus For Modems	United States	Granted	10/137,601	4/29/2002	7,330,514	2/12/2006	Undetermined
Two-Dimensional Direct Memory Access To Maximize Processing Resources In Image Processing Systems	United States	Granted	10/218,184	8/12/2002	6,652,246	12/9/2003	Undetermined
Solid State Inducting Device	United States	Granted	10/284,624	10/31/2002	6,803,849	10/12/2004	Undetermined
High Availability Ethernet Backplane Architecture	United States	Granted	10/284,856	10/31/2002	7,835,265	11/16/2010	Undetermined
Method And Apparatus For Firewall Redirection In Modems	United States	Granted	10/303,317	11/21/2002	7,246,266	7/17/2007	Undetermined
Scheduling Method For Combined Unicast And Multicast Queuing	United States	Granted	10/319,304	12/13/2002	7,397,809	7/6/2006	Undetermined

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SCHEDULE B - PERSONAL PROPERTY
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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Method And Apparatus For Power Routing In An Integrated Circuit	United States	Granted	10/325,618	12/20/2002	6,925,627	8/2/2005	Undetermined
Apparatus For Link Failure Detection On High Availability Ethernet Backplane	United States	Granted	10/326,352	12/20/2002	7,260,066	8/21/2007	Undetermined
Point Of Sale For High-Speed Communications	United States	Granted	10/352,754	1/26/2003	6,985,568	1/10/2006	Undetermined
Method And Apparatus For Preamble Detection And Time Estimation In Ofdm Communication Systems	United States	Granted	10/418,748	4/17/2003	7,257,165	8/14/2007	Undetermined
Method And Apparatus For Establishing Circuit Connections Over Local Area Networks With Frequency Selective Impairments	United States	Granted	10/422,014	4/21/2003	7,450,604	11/11/2008	Undetermined
Method And Apparatus For Controlled Spectrum Multi-Carrier Modulation	United States	Granted	10/422,070	4/21/2003	7,724,637	5/26/2010	Undetermined
Bil Cells Having Offset Contacts In A Memory Array	United States	Granted	10/438,684	5/14/2003	6,804,518	3/8/2005	Undetermined
Efficient Communication System For Reliable Frame Transmission Over Broad Sht Ranges	United States	Granted	10/464,961	6/17/2003	7,336,683	2/26/2008	Undetermined
Hypothetical Reference Decoder For Compressed Image And Video	United States	Granted	10/500,163	6/19/2003	7,257,162	8/14/2007	Undetermined
Signaling Mechanism For Modem Connection Holding And Reconnecting	United States	Granted	10/507,244	6/25/2003	6,842,509	1/11/2005	Undetermined
System For Data Encryption And Decryption Of Digital Data Entering And Leaving Memory	United States	Granted	10/611,402	6/30/2003	7,925,013	4/12/2011	Undetermined
Ballasting Mosfets Using Slaggered, Segmented Diffusions	United States	Granted	10/637,924	8/8/2003	6,927,458	8/9/2005	Undetermined
Quick Connect Parameter Exchange	United States	Granted	10/640,102	8/12/2003	6,922,467	7/26/2005	Undetermined
Hypothetical Reference Decoder With Low Start Up Delays For Compressed Image And Video	United States	Granted	10/655,698	9/5/2003	7,532,670	5/12/2009	Undetermined
Top Acceleration System	United States	Granted	10/676,900	9/30/2003	7,315,515	1/1/2008	Undetermined
Demodulator Circuit	United States	Granted	10/680,353	10/29/2003	7,912,155	3/22/2011	Undetermined
System And Apparatus For Conveying Bidirectional Data, Power And Timing Signals Using A Single Transformer	United States	Granted	10/697,819	10/31/2003	7,591,461	2/1/2011	Undetermined
Class-Based Rate Control Using Multi-Threshold Leaky Bucket	United States	Published	10/729,804	12/5/2003			Undetermined
Method For Fabricating A Lateral Metal-Insulator-Metal Capacitor	United States	Granted	10/738,258	12/17/2003	7,135,366	11/14/2006	Undetermined
Horizontal Sync Pulse Detection Without Amplitude Assumption	United States	Granted	10/746,921	12/23/2003	7,898,861	8/29/2006	Undetermined
Architecture For An Analog-To-Digital Converter	United States	Granted	10/749,571	12/31/2003	7,068,202	6/27/2006	Undetermined
Variable Clock Rate Analog-To-Digital Converter	United States	Granted	10/749,570	12/31/2003	7,088,275	8/8/2006	Undetermined
Dc Offset Correction For Direct Conversion Receiver	United States	Granted	10/751,013	12/31/2003	7,403,760	7/22/2008	Undetermined
Comb Filter Design For Separating Luminance And Chrominance In Video Signals	United States	Granted	10/778,121	2/11/2004	7,167,213	1/23/2007	Undetermined
Luminance And Chrominance Separation System	United States	Granted	10/778,075	2/11/2004	7,227,585	6/5/2007	Undetermined
Combined Pipelined Classification And Address Search Method And Apparatus For Switching Environments	United States	Granted	10/881,226	6/30/2004	7,760,718	7/20/2010	Undetermined
Remote Control Of A Switching Node In A Stack Of Switching Nodes	United States	Granted	10/901,873	7/29/2004	7,974,272	7/5/2011	Undetermined
Methods And Apparatus Providing Rapid End-To-End Failover In A Packet Switched Communications Network	United States	Granted	10/903,437	7/30/2004	7,813,263	10/12/2010	Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Circular Constellations With Coherent Gain/Differential Phase And Pilots	United States	Granted	10/949,861	9/24/2004	7,376,075	6/20/2008	Undetermined
Esd Protection For Integrated Circuits Having Ultra Thin Gate Oxides	United States	Granted	10/890,641	11/16/2004	7,746,605	6/29/2010	Undetermined
General Purpose Pin Mapping For A General Purpose Application Specific Integrated Circuit (Asic)	United States	Granted	11/031,891	1/7/2005	7,759,967	7/20/2010	Undetermined
White Region Identification To Accelerate Image Processing For Copies	United States	Granted	11/032,638	1/10/2005	7,667,870	2/29/2010	Undetermined
Selective Memory Block Remapping	United States	Granted	11/032,458	1/10/2005	7,484,070	1/27/2009	Undetermined
Flexible Sdram Clocking (Ms-Dll)	United States	Granted	11/032,804	1/10/2005	7,180,823	2/20/2007	Undetermined
Combination Of A/D Inputs With Quadrature Detection To Give Higher Resolution Positioning	United States	Granted	11/032,805	1/10/2005	7,401,880	7/22/2008	Undetermined
Generic Ink Jet Head Fife Logic	United States	Granted	11/032,833	1/10/2005	7,441,850	10/28/2008	Undetermined
Real Time Clock Content Validation	United States	Granted	11/032,578	1/10/2005	7,716,512	5/11/2010	Undetermined
Text Region Identification And Enhancement During Color Copy	United States	Granted	11/032,615	1/10/2005	7,453,600	11/18/2008	Undetermined
Multi-Valued Raster Elements As A Technique To Reduce The Memory Requirements And Computational Complexity Of Advanced Ink Jet Systems	United States	Granted	11/032,618	1/10/2005	7,389,117	12/18/2007	Undetermined
Cis (Contact Image Sensor) Ryb (Red-Luminance-Blue) Sampling	United States	Granted	11/032,478	1/10/2005	7,635,806	6/19/2009	Undetermined
Compensation For Exposure Time Variation When Scanning With Ccd Sensors	United States	Granted	11/032,458	1/10/2005	7,447,375	11/4/2008	Undetermined
Mosfet Having Increased Snap-Back Conduction Uniformity	United States	Granted	11/107,205	4/15/2005	7,676,127	3/9/2010	Undetermined
Method And Apparatus For Generating A Random Bit Stream	United States	Granted	11/173,328	6/30/2005	7,580,674	9/16/2009	Undetermined
System And Method Of Frequency Synthesis To Avoid Gaps And Vco Pulling In Direct Broadcast Satellite Systems	United States	Granted	11/174,353	6/30/2005	7,584,928	7/21/2009	Undetermined
Systems And Methods For Multistage Signal Detection In Mimo Transmissions And Iterative Detection Of Precoded Ofdm	United States	Granted	11/224,328	9/13/2005	7,216,267	5/8/2007	Undetermined
Printing Digital Images With Rotation	United States	Granted	11/305,406	12/15/2005	8,270,002	9/18/2012	Undetermined
Automatic Video Detector	United States	Granted	11/323,337	12/30/2005	7,749,976	7/6/2010	Undetermined
Comb Filter That Utilizes Host Memory	United States	Granted	11/395,023	3/31/2006	8,072,547	12/9/2011	Undetermined
Spread Spectrum Clock Generation	United States	Granted	11/437,311	5/19/2006	7,690,163	9/15/2009	Undetermined
Inbound Noise Reduction For Voip Applications	United States	Pending	11/438,011	5/19/2006			Undetermined
Modem Call Forwarding And Three-Way Calling Features For Voip Applications	United States	Pending	11/438,009	5/19/2006			Undetermined
Head Related Transfer Function Filter Generation	United States	Granted	11/514,026	8/30/2006	7,590,248	9/15/2009	Undetermined
Color Conversion System And Method	United States	Granted	11/512,905	8/30/2006	7,586,644	9/8/2009	Undetermined
Systems And Methods For Reducing Broadband Image Noise Through A Programmable Bandwidth Rf Variable Gain Attenuator	United States	Granted	11/617,054	12/28/2006	7,776,818	8/17/2010	Undetermined
Cdd-Compliant Embedded Usb Controller Communication Device And System With Custom Features Support	United States	Granted	11/647,784	12/29/2006	7,730,360	8/1/2010	Undetermined
Image Processor And Method Of Image Rotation	United States	Granted	11/703,068	2/6/2007	7,876,977	1/25/2011	Undetermined
Method And System For Remote Facsimile Transmission	United States	Pending	11/713,393	3/2/2007			Undetermined
Decoding Video Signals To Separate Luma And Chroma Components	United States	Granted	11/731,660	3/30/2007	7,474,357	1/6/2009	Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Systems For Implementing A Temperature And Process Compensated Two-Stage Ring Oscillator	United States	Granted	11/063,894	9/11/2007	7,791,301	4/20/2010	Undetermined
Facilitating Transmissions In A Plurality Of Protocols	United States	Granted	11/071,513	10/12/2007	7,990,902	8/2/2011	Undetermined
Systems And Methods For Management Of Wireless Clients	United States	Granted	11/931,172	10/31/2007	8,155,139	4/10/2012	Undetermined
Self/Reset Mechanism	United States	Published	11/930,715	10/31/2007			Undetermined
Piggyback Acknowledgement	United States	Granted	11/850,723	10/31/2007	8,085,698	12/27/2011	Undetermined
Systems And Methods For Coexistence Of Wlan And Bluetooth Networks	United States	Published	11/947,946	11/30/2007			Undetermined
Systems And Methods For Retrieving Buffered Data From An Access Point	United States	Published	11/854,579	12/12/2007			Undetermined
Method And Apparatus For Automatic Optimal Sampling Phase Detection	United States	Granted	12/037,272	2/29/2008	7,701,374	4/20/2010	Undetermined
System And Method For Television Signal Demodulation And Decoding	United States	Granted	12/072,328	2/26/2008	7,807,660	3/15/2011	Undetermined
Systems And Methods For Reliable Broadcast And Multicast Transmission Over A Wireless Local Area Network	United States	Granted	12/046,391	3/11/2008	8,165,154	4/24/2012	Undetermined
Systems And Methods For Indicating Buffered Data At An Access Point Using A Traffic Indication Map Broadcast	United States	Granted	12/046,946	3/12/2008	8,089,008	1/3/2012	Undetermined
Systems And Methods For Indicating Buffered Data At An Access Point With Efficient Beacon Handling	United States	Granted	12/047,021	3/12/2008	8,170,002	5/1/2012	Undetermined
Systems And Methods For Indicating Buffered Data At An Access Point Using An Embedded Traffic Indication Map	United States	Granted	12/047,210	3/12/2008	8,233,414	7/31/2012	Undetermined
Flexible Cadence Follower For Film On Video	United States	Published	12/031,475	3/19/2008			Undetermined
Micro Electro-Mechanical Sensor (MEMS) Fabricated With Ribbon Wire Bonds	United States	Granted	12/054,169	3/24/2008	8,022,490	9/20/2011	Undetermined
Systems And Methods For Multicast Retransmission Over A Secure Wireless Lan	United States	Published	12/108,260	4/18/2008			Undetermined
Systems And Methods For Communicating To A Disassociated Station In A Protected Network	United States	Granted	12/108,252	4/18/2008	8,072,993	12/6/2011	Undetermined
Network Allocation	United States	Granted	12/108,678	4/21/2008	8,144,876	3/27/2012	Undetermined
Systems And Methods Of Combined Bluetooth And Wan Signaling	United States	Granted	12/108,759	4/24/2008	8,111,877	2/7/2012	Undetermined
Systems And Methods For Utilizing A Scanning Threshold To Reduce Power Consumption	United States	Granted	12/110,888	4/26/2008	8,077,647	12/13/2011	Undetermined
Method And System For Dynamic Audio Stream Redirection	United States	Published	12/152,753	5/16/2008			Undetermined
Signal Acquisition System And Method	United States	Granted	12/128,335	5/23/2008	8,336,683	12/18/2012	Undetermined
System And Method Providing Channel Multiplexing For Analog-To-Digital Conversion	United States	Granted	12/157,438	6/9/2008	7,710,299	5/4/2010	Undetermined
Acoustic Echo Canceller	United States	Published	12/139,430	6/10/2008			Undetermined
Low Power Receiving	United States	Granted	12/138,923	6/13/2008	7,907,557	3/19/2011	Undetermined
Method And Algorithm Of High Precision On-Chip Global Biasing Using Integrated Resistor Calibration Circuits	United States	Granted	12/143,546	6/20/2008	7,916,950	3/29/2011	Undetermined
Method And Apparatus For Delay And Combining Circuitry	United States	Granted	12/145,133	6/24/2008	7,733,252	6/8/2010	Undetermined
Method And System For Removal Of Clicks And Noise In A Redirected Audio Stream	United States	Published	12/163,590	8/30/2008			Undetermined
Method And Apparatus For Channelizing Sampled Broadband Signal	United States	Granted	12/178,179	7/23/2008	7,983,306	7/19/2011	Undetermined

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SCHEDULE B - PERSONAL PROPERTY
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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filing Date	Patent Number	Issue Date	Value
Method And Apparatus For Establishing Circuit Connections Over Local Area Networks With Frequency Selective Impairments	United States	Granted	12/255,391	11/5/2008	7,882,868	12/14/2010	Undetermined
Power Management Controller For Drivers	United States	Granted	12/339,635	12/19/2008	8,325,940	12/4/2012	Undetermined
Microphone Array Calibration Method And Apparatus	United States	Granted	12/341,777	12/22/2008	8,243,952	8/14/2012	Undetermined
Current Detection And Limiting Method And Apparatus	United States	Granted	12/341,753	12/22/2008	8,274,772	9/25/2012	Undetermined
Universal Systems And Methods For Determining An Incoming Carrier Frequency And Decoding An Incoming Signal	United States	Granted	12/358,971	1/23/2009	8,213,809	7/3/2012	Undetermined
Enhanced Thermal Dissipation Ball Grid Array Package	United States	Granted	12/369,101	2/3/2009	8,018,440	9/6/2011	Undetermined
Systems And Methods For Network Facsimile Transmissions	United States	Published	12/371,468	2/13/2009			Undetermined
Systems And Methods For Driving High Power States Using Lower Voltage Processes	United States	Granted	12/390,333	2/20/2009	7,982,525	7/19/2011	Undetermined
Hypothetical Reference Decoder With Low Start Up Delays For Compressed Image And Video	United States	Granted	12/384,180	3/31/2009	8,160,153	4/17/2012	Undetermined
Systems And Methods For Low-Latency Encrypted Storage	United States	Published	12/469,647	5/20/2009			Undetermined
Electrostatic Discharge Protection Circuit	United States	Published	12/487,528	6/18/2009			Undetermined
Anti-Pop Circuit	United States	Granted	12/488,438	6/19/2009	8,063,699	11/29/2011	Undetermined
Systems And Methods For Variable Rate Conversion	United States	Granted	12/486,322	6/19/2009	7,920,078	4/5/2011	Undetermined
Systems And Methods For Frequency Based Satellite Channel Scanning	United States	Granted	12/298,512	6/23/2009	8,270,898	9/18/2012	Undetermined
Systems And Methods Of Improved Heat Dissipation With Variable Pitch Grid Array Packaging	United States	Published	12/497,241	7/2/2009			Undetermined
Systems And Methods For Alignment Of Laser Printers	United States	Published	12/539,526	8/11/2009	8,363,082	1/29/2013	Undetermined
Systems And Methods For Raster-To-Slot Converter	United States	Published	12/510,330	8/12/2009	8,355,570	1/15/2013	Undetermined
Noise-Shaped Scrambler For Reduced Out-Of-Band Common-Mode Interference	United States	Granted	12/553,004	9/2/2009	7,952,608	5/31/2011	Undetermined
Color Conversion System And Method	United States	Granted	12/553,749	9/3/2009	7,833,045	4/26/2011	Undetermined
Method And Apparatus For Generating A Random Bit Stream	United States	Published	12/559,053	9/14/2009			Undetermined
System And Method For Clock-Synchronized Triangular Waveform Generation	United States	Granted	12/574,663	10/6/2009	8,044,690	10/25/2011	Undetermined
Tuning And Dac Selection Of High-Pass Filters For Audio Codecs	United States	Published	12/578,477	10/13/2009			Undetermined
2.1 Crossover Equalization In Pcm Audio Applications	United States	Published	12/579,200	10/14/2009			Undetermined
Systems And Methods For Offset Cancellation Method For Dc-Coupled Audio Drivers	United States	Granted	12/623,202	11/20/2009	8,344,797	1/1/2013	Undetermined
Systems And Methods For Echo Cancellation And Echo Suppression	United States	Published	12/684,829	1/8/2010			Undetermined
White Region Identification To Accelerate Image Processing For Copies	United States	Granted	12/698,301	1/29/2010	8,064,101	11/22/2011	Undetermined
Speaker Distortion Reduction System And Method	United States	Published	12/712,108	2/24/2010			Undetermined
Systems And Methods Of Tamper Proof Packaging Of A Semiconductor Device	United States	Published	12/713,141	2/25/2010			Undetermined
Systems And Methods For Reliable Multi-Level Cell Flash Storage	United States	Granted	12/792,892	6/2/2010	8,301,828	10/30/2012	Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Systems And Methods For Creating Immersion Surround Sound And Virtual Speakers Effects	United States	Published	12/614,425	6/11/2010			Undetermined
Systems And Methods For Dielectric Heating Of Ink In Inkjet Printers	United States	Published	12/820,932	6/22/2010			Undetermined
Systems And Methods For Transducer Calibration And Tuning	United States	Published	12/828,565	7/1/2010			Undetermined
High-Bandwidth Linear Current Mirror	United States	Published	12/828,640	7/1/2010			Undetermined
Grounding Switch Method And Apparatus	United States	Published	12/828,716	7/1/2010			Undetermined
Systems And Methods For Generating Phantom Base	United States	Published	12/833,606	7/9/2010			Undetermined
Method And System For Automatically Detecting And Processing Halftone Regions In Scanned Documents	United States	Published	12/839,771	7/20/2010			Undetermined
Systems And Methods For Color Defringing	United States	Published	12/851,343	8/5/2010			Undetermined
Systems And Methods For Heat Dissipation Using Thermal Conduits	United States	Published	12/852,353	8/6/2010			Undetermined
Apparatus And Method For A Smooth Powerup Of A Reference Signal	United States	Granted	12/860,791	8/20/2010	8,212,608	7/3/2012	Undetermined
Processor Nand Flash Boot System And Method	United States	Published	12/872,733	8/31/2010			Undetermined
Adaptive High Dynamic Range Surface Capacitive Touchscreen Controller	United States	Published	12/878,796	9/9/2010			Undetermined
Systems And Methods For Improved Heat Dissipation In Semiconductor Packages	United States	Published	12/926,828	10/29/2010			Undetermined
Area Optimized Output Impedance Controlled Driver	United States	Pending	12/941,703	11/8/2010			Undetermined
Semiconductor Packages With Reduced Solder Voiding	United States	Published	12/927,549	11/16/2010			Undetermined
Systems And Methods For Reducing Rub And Buzz Distortion In A Loudspeaker	United States	Published	12/963,443	12/6/2010			Undetermined
Method And System For Floating Point Acceleration On Fixed Point Digital Signal Processors	United States	Published	13/010,686	1/20/2011			Undetermined
Image Processor And Method Of Image Rotation	United States	Granted	13/011,689	1/21/2011	7,995,887	6/9/2011	Undetermined
Integrated Led In System-In-Package Module	United States	Published	12/931,240	1/25/2011			Undetermined
System And Method For Television Signal Demodulation And Decoding	United States	Published	12/931,862	2/11/2011			Undetermined
Systems And Methods For Variable Rate Conversion	United States	Granted	12/932,170	2/17/2011	8,253,610	8/28/2012	Undetermined
Systems And Methods For Alignment Of Laser Printers	United States	Granted	13/035,790	2/26/2011	8,269,358	10/16/2012	Undetermined
Multi-Sample Reading In Sleep Mode For Passive Infrared Detectors And Other Analog Inputs	United States	Published	13/037,091	2/28/2011			Undetermined
Systems And Methods For High Pass Filtering With Smart Saturation	United States	Published	13/040,121	3/3/2011			Undetermined
Systems And Methods For Driving High Power States Using Lower Voltage Processes	United States	Published	13/041,065	3/4/2011			Undetermined
High Speed Level Shifters And Method Of Operation	United States	Published	13/044,378	3/9/2011			Undetermined
Universal Reed-Solomon Decoder	United States	Pending	13/052,784	3/21/2011			Undetermined
Unpackaged And Packaged Ic Stacked In A System-In-Package Module	United States	Published	13/061,620	3/24/2011			Undetermined
Fully Differential Adaptive Bandwidth Pill With Differential Supply Regulation	United States	Published	13/068,731	4/21/2011			Undetermined
Systems And Methods For Speaker Bar Sound Enhancement	United States	Pending	13/092,006	4/21/2011			Undetermined
Biphase Mark Code Decoder And Method Of Operation	United States	Published	13/092,743	4/22/2011			Undetermined

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Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Wafer Level Package With Thermal Pad For Higher Power Dissipation	United States	Published	13/104,620	5/10/2011			Undetermined
Regular Expression Selection For Configurable Application Data Steering	United States	Published	13/149,713	5/31/2011			Undetermined
Database Hierarchical Inheritance	United States	Published	13/149,725	5/31/2011			Undetermined
Asynchronous Process Notification	United States	Published	13/149,735	5/31/2011			Undetermined
Persistent Data Storage	United States	Published	13/149,747	5/31/2011			Undetermined
Audio Driver System And Method	United States	Published	13/166,600	6/22/2011			Undetermined
Externally Wire Bondable Chip Scale Package In A System-in-Package Module	United States	Pending	13/168,605	6/24/2011			Undetermined
Method And Apparatus For Channelizing Sampled Broadband Signal	United States	Published	13/181,376	7/12/2011			Undetermined
A Wave Shaping System To Prevent Electrical And Mechanical Saturation In Loud Speakers	United States	Published	13/183,285	7/14/2011			Undetermined
Auto Driver System And Method	United States	Published	13/184,231	7/15/2011			Undetermined
Shielded Usb Connector Module With Molded Hood And Led Light Pipe	United States	Pending	13/196,379	8/2/2011			Undetermined
System And Method For Automatic Baud Rate Selection For Facsimile Transmit And Receive	United States	Pending	13/214,123	8/19/2011			Undetermined
Spot Flatline Landframe And Its Bond Pad Via Array Design For Copper Wires	United States	Pending	13/230,633	9/12/2011			Undetermined
Sub-Micron Cmos Vco That Uses Delay-Based Calibration And Method Of Operation	United States	Pending	13/242,078	9/23/2011			Undetermined
Systems And Methods For Reliable Broadcast And Multicast Transmission Over A Wireless Local Area Network	United States	Published	13/269,358	10/7/2011			Undetermined
Copper Stud Bump Wafer Level Package	United States	Pending	13/270,012	10/10/2011			Undetermined
Apparatus And Method For Abstract Memory Addressing	United States	Pending	13/273,122	10/13/2011			Undetermined
Audio Programmable Gain Amplifier With Automatic Reconfiguration	United States	Pending	13/280,221	10/24/2011			Undetermined
Method And System For Waking On Input/Output Interrupt While Powered Down	United States	Pending	13/285,305	10/31/2011			Undetermined
Low Power Level Shifter With Output Swing Control	United States	Pending	13/289,926	11/4/2011			Undetermined
System And Method For Capacitive Dc-Dc Converter With Variable Input And Output Voltages	United States	Pending	13/312,879	12/6/2011			Undetermined
Multi-Standard Headset Support With Integrated Ground Switching	United States	Pending	13/312,897	12/6/2011			Undetermined
Scanning Threshold	United States	Published	13/324,924	12/13/2011			Undetermined
Systems And Methods For Stereo Echo Cancellation	United States	Published	13/344,510	1/5/2012			Undetermined
System And Method For Dynamic Range Compensation Of Distortion	United States	Expired	61/591,775	1/27/2012			Undetermined
Low Power Current Comparator For Switched Mode Regulators	United States	Pending	61/593,757	2/1/2012			Undetermined
Systems And Methods Of Combined Bluetooth And Wlan Signaling	United States	Published	13/368,308	2/7/2012			Undetermined
Speakers And Room Virtualization Using Headphones	United States	Expired	61/598,267	2/13/2012			Undetermined
System And Method For Difference Frame Threshold Encoding And Decoding	United States	Expired	61/598,288	2/13/2012			Undetermined
Solid Via Pins For Electrical And Thermal Conductivity In Package Substrates Or Pcb's	United States	Expired	61/598,765	2/14/2012			Undetermined
Adaptive Equalizer Based On Monitoring Eye Opening	United States	Pending	61/603,157	2/24/2012			Undetermined

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SCHEDULE B - PERSONAL PROPERTY
Rider B.22 - Patents, Copyrights, and Other Intellectual Property

Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Integrated Motion Detection Using Changes In Acoustic Echo Path	United States	Pending	61/605,687	3/1/2012			Undetermined
Method For Implementing Isolation Gates During Low-Power Modes	United States	Pending	61/608,401	3/8/2012			Undetermined
Systems And Methods For Receiving Data At An Access Point	United States	Published	13/426,469	9/21/2012			Undetermined
Network Allocation	United States	Published	13/431,889	9/27/2012			Undetermined
Nonlinear Echo Suppression	United States	Published	13/431,682	9/27/2012			Undetermined
Methods To Reduce Current Spikes In Capacitive Dc-Dc Converters Employing Gain-Hopping	United States	Pending	61/619,845	4/3/2012			Undetermined
Copper Sphere Array Package	United States	Pending	61/619,884	4/3/2012			Undetermined
Systems And Methods For Management Of Wireless Clients	United States	Published	13/443,849	4/10/2012			Undetermined
Class D Amplifier With Ulse Density Modulation Output Feedback For Higher Performance Acoustic Echo Canceller	United States	Pending	61/622,485	4/10/2012			Undetermined
Reduced-Delay Subband Signal Processing System And Method	United States	Pending	61/640,601	4/30/2012			Undetermined
Low Power Dual Voltage Mode Receiver	United States	Pending	61/642,321	5/3/2012			Undetermined
Reduced Delay Level Shifter	United States	Pending	61/648,171	5/11/2012			Undetermined
Apparatus And Method For A Smooth Powerup Of A Reference Signal	United States	Pending	13/525,071	6/15/2012			Undetermined
Low Area All Digital Delay-Locked Loop Insensitive To Reference Clock Duty Cycle And Jitter	United States	Pending	61/662,228	6/20/2012			Undetermined
Systems And Methods For Indicating Buffered Data At An Access Point Using An Embedded Traffic Indication Map	United States	Published	13/635,212	6/27/2012			Undetermined
Universal Systems And Methods For Determining An Incoming Carrier Frequency And Decoding An Incoming Signal	United States	Pending	13/540,466	7/2/2012			Undetermined
Video Door Monitor Using Smarttv With Voice Wakeup	United States	Pending	61/668,973	7/6/2012			Undetermined
System And Method For Automatic Recovery Of Cloud Print Jobs After Printer Error	United States	Pending	13/548,045	7/12/2012			Undetermined
Echo Cancellation System And Method With Multiple Microphones And Multiple Speakers	United States	Pending	61/671,627	7/13/2012			Undetermined
Systems And Methods For Variable Rate Conversion	United States	Pending	13/552,623	7/16/2012			Undetermined
Hybrid Analog/Digital Headset	United States	Pending	61/675,487	7/25/2012			Undetermined
System And Method To Print Documents And Images That Are Not Natively Supported By The Printer	United States	Published	13/560,439	7/27/2012			Undetermined
Multiple Microphone Support For Earbud Headsets	United States	Pending	13/560,290	7/27/2012			Undetermined
Baby Monitor With Echo Cancellation	United States	Pending	61/693,195	8/2/2012			Undetermined
Systems And Method For Frequency Based Satellite Channel Scanning	United States	Pending	13/607,556	8/7/2012			Undetermined
Analog Frontend For Cod/Cls Sensor	United States	Pending	13/618,443	8/14/2012			Undetermined
Current Detection And Limiting Method And Apparatus	United States	Pending	13/625,841	8/24/2012			Undetermined
Using 3-State Line Coding To Simplify Data Recovery Over High Speed Serial Link	United States	Pending	61/711,672	10/9/2012			Undetermined
Programmable Revision Cell Id System And Method	United States	Pending	61/718,120	10/24/2012			Undetermined
Quad Flat No Lead Package With Corner Pins	United States	Provisional Application	61/707,698	28-Sep-2012			Undetermined

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Rider B.22 - Patents, Copyrights, and Other Intellectual Property

Pending and Registered U.S. Patent Applications	Country	Status	Application No.	Filed Date	Patent Number	Issue Date	Value
Systems And Methods For Improving The Scan Line Throughput Of An Image Scanner Using A Modulated Light Source	United States	Pending	13/672,239	11/8/2012			Undetermined
Current-Mode Sample And Hold For Dead Time Control Of Switched Mode Regulators	United States	Pending	13/719,577	12/19/2012			Undetermined
Low-Power Programmable Oscillator And Ramp Generator	United States	Pending	13/710,491	12/19/2012			Undetermined
System And Method For Dynamic Range Compensation Of Distortion	United States	Pending	13/752,056	1/28/2013			Undetermined
Low Power Current Comparator For Switched Mode Regulators	United States	Pending	13/755,575	1/31/2013			Undetermined
Speakers And Room Virtualization Using Headphones	United States	Pending	13/755,007	2/12/2013			Undetermined
System And Method For Difference Frame Threshold Encoding And Decoding	United States	Pending	13/755,003	2/19/2013			Undetermined
Systems And Methods For Color Dithering	World Intellectual Property Office	Published	11/046883	8/5/2010			Undetermined
Apparatus And Method For A Smooth Powerup Of A Reference Signal	World Intellectual Property Office	Abandoned	11/046122	8/20/2010			Undetermined
Adaptive High Dynamic Range Surface Capacitive Touchscreen Controller	World Intellectual Property Office	Published	11/050878	9/9/2010			Undetermined
Systems And Methods For Improved Heat Dissipation In Semiconductor Packages	World Intellectual Property Office	Published	11/081643	10/29/2010			Undetermined
A Wave Shaping System To Prevent Electrical And Mechanical Saturation In Loud Speakers	World Intellectual Property Office	Published	11/044068	7/14/2011			Undetermined
Systems And Methods For Heat Dissipation Using Thermal Conduits	World Intellectual Property Office	Published	11/046866	8/6/2011			Undetermined
Systems And Methods For Stereo Echo Cancellation	World Intellectual Property Office	Published	12/020372	1/5/2012			Undetermined
Nonlinear Echo Suppression	World Intellectual Property Office	Published	12/030739	3/27/2012			Undetermined
(a) Spot Plated Leadframe And Its Bond Pad Via Array Design For Copper Wire	World Intellectual Property Office	Pending	12/050028	8/8/2012			Undetermined
Copper Stud Bump Wafer Level Package	World Intellectual Property Office	Pending	12/052112	8/23/2012			Undetermined

(a) Patent is jointly owned with Apple