

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC	03/25/2008
AMIS HOLDINGS, INC.	03/25/2008
AMI SEMICONDUCTOR, INC.	03/25/2008
AMIS FOREIGN HOLDINGS INC.	03/25/2008
AMI ACQUISITION LLC	03/25/2008

RECEIVING PARTY DATA

Name:	JPMORGAN CHASE BANK, N.A.
Street Address:	270 PARK AVENUE
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10017

PROPERTY NUMBERS Total: 137

Property Type	Number
Application Number:	09730200
Application Number:	09985976
Application Number:	10041698
Application Number:	11567688
Application Number:	12012120
Application Number:	12012121
Application Number:	60972341
Application Number:	12027703
Application Number:	11676246
Application Number:	11532478
Application Number:	11532477
Application Number:	11544878

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PATENT

Application Number:	11460948
Application Number:	11460951
Application Number:	10697854
Application Number:	10023109
Application Number:	10214350
Application Number:	10602195
Application Number:	10860894
Application Number:	10883316
Application Number:	10925263
Application Number:	10975914
Application Number:	10977295
Application Number:	11123964
Application Number:	11173355
Application Number:	11174366
Application Number:	11356557
Application Number:	11371661
Application Number:	11700475
Application Number:	11871716
Application Number:	12027692
Application Number:	12028292
Application Number:	10442630
Application Number:	10642847
Application Number:	10815891
Application Number:	10857409
Application Number:	11091743
Application Number:	11091746
Application Number:	11091747
Patent Number:	4853759
Patent Number:	4877976
Patent Number:	4894565
Patent Number:	4996584
Patent Number:	5170078
Patent Number:	5179297
Patent Number:	5521556
Patent Number:	5552748

Patent Number:	5585765
Patent Number:	5589802
Patent Number:	5594388
Patent Number:	5617062
Patent Number:	5638029
Patent Number:	5663675
Patent Number:	5682353
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Patent Number:	6160733
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Patent Number:	6167543
Patent Number:	6236731
Patent Number:	6240029
Patent Number:	6240192
Patent Number:	6249181
Patent Number:	6265729
Patent Number:	6271539
Patent Number:	6294936
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Patent Number:	6347148
Patent Number:	6351111
Patent Number:	6356148
Patent Number:	6381378
Patent Number:	6437616

Patent Number:	6493414
Patent Number:	6501865
Patent Number:	6519177
Patent Number:	6566943
Patent Number:	6606049
Patent Number:	6606391
Patent Number:	6614209
Patent Number:	6642699
Patent Number:	6694448
Patent Number:	6704901
Patent Number:	6707286
Patent Number:	6711397
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Patent Number:	6816401
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Patent Number:	6822513
Patent Number:	6844781
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Patent Number:	7142144
Patent Number:	7190178
Patent Number:	7197091
Patent Number:	7215156
Patent Number:	7218154
Patent Number:	7279757
PCT Number:	US0519565
PCT Number:	US0514840

CORRESPONDENCE DATA

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Address Line 4: Waldorf, MARYLAND 20602

ATTORNEY DOCKET NUMBER:	33406
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NAME OF SUBMITTER:	Penelope J.A. Agodoa
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Total Attachments: 15
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PATENT SECURITY AGREEMENT, dated as of March 25, 2008, among SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC (the "Borrower"), AMIS HOLDINGS, INC., AMI SEMICONDUCTOR, INC., AMI ACQUISITION LLC and AMIS FOREIGN HOLDINGS INC., indirect subsidiaries of the Borrower (each, a "Grantor") and JPMORGAN CHASE BANK, N.A., as Collateral Agent (the "Collateral Agent").

Reference is made to the Security Agreement dated as of August 4, 1999, as amended and restated as of March 3, 2003 (as amended, supplemented or otherwise modified from time to time, the "Security Agreement"), among ON Semiconductor Corporation ("Holdings"), the Borrower, the Subsidiary Loan Parties and the Collateral Agent. The Lenders have agreed to extend credit to the Borrower subject to the terms and conditions set forth in the Credit Agreement dated as of August 4, 1999, as amended and restated as of March 6, 2007 (as amended, supplemented or otherwise modified from time to time (the "Credit Agreement")). The obligations of the Lenders to continue to extend such credit are conditioned upon, among other things, the execution and delivery of this Agreement. Accordingly, the parties hereto agree as follows:

SECTION 1. Terms. Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the Security Agreement. The rules of construction specified in Section 1.03 of the Security Agreement also apply to this Agreement.

SECTION 2. Grant of Security Interest. As security for the payment or performance, as the case may be, in full of the Obligations, each Grantor, pursuant to the Security Agreement, did and hereby does grant to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, a security interest in, all right, title or interest in or to any and all of the following assets and properties now owned or at any time hereafter acquired by such Grantor or in which such Grantor now has or at any time in the future may acquire any right, title or interest (collectively, the "Patent Collateral"):

(a) all letters patent of the United States or any other country, all registrations and recordings thereof, and all applications for letters patent of the United States or any other country, including registrations, recordings and pending applications in the United States Patent and Trademark Office or any similar offices in any other country, including those listed on Schedule I (the "Patents"), and all reissues, continuations, divisions, continuations-in-part, renewals or extensions thereof, and the inventions disclosed or claimed therein, including the right to make, use and/or sell the inventions disclosed or claimed therein.

SECTION 3. Recordation. Grantor authorizes and requests that the Commissioner for Patents and any other applicable government officer record this Patent Security Agreement.

SECTION 4. Execution in Counterparts. This Patent Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

SECTION 5. Termination. This Agreement is made to secure the satisfactory performance and payment of the Obligations. Upon termination of the Security Agreement or release of a Grantor's obligations thereunder, this Patent Security Agreement shall automatically terminate as to such Grantor.

SECTION 6. Security Agreement. The security interests granted to the Collateral Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Collateral Agent pursuant to the Security Agreement. Each Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the Patent Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

SEMICONDUCTOR COMPONENTS
INDUSTRIES, LLC,

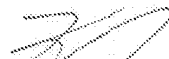
by



Name: Donald A. Colvin
Title: Executive Vice President and
Chief Financial Officer

AMIS HOLDINGS, INC., as a Grantor

by



Name: Keith D. Jackson
Title: President and Chief Financial
Officer

AMI SEMICONDUCTOR, INC., as a
Grantor

by



Name: Donald A. Colvin
Title: President, Chief Executive
Officer and Treasurer

AMIS FOREIGN HOLDINGS INC., as a
Grantor

by



Name: Donald A. Colvin
Title: President, Chief Executive
Officer and Treasurer

AMI ACQUISITION LLC, as a Grantor

by



Name: Donald A. Colvin
Title: President, Chief Executive
Officer and Treasurer

JPMORGAN CHASE BANK, N.A., as
Collateral Agent,

by

Name:
Title:

AMI ACQUISITION LLC, as a Grantor

by



Name: Donald A. Colvin
Title: President, Chief Executive
Officer and Treasurer

JPMORGAN CHASE BANK, N.A., as
Collateral Agent,

by



Name: Ann B. Kerns
Title: Vice President

Schedule I to the
Patent Security Agreement

Patents

Patent Number	Country	Application Number	Title	Assignee
	Australia	AU2003263214 A1	Amplifier	Dspfactory SA
	Canada	2494265	Amplifier	Dspfactory SA
	Canada	2576615	Body Radiation And Conductivity in RF Communication	AMI Semiconductor, Inc.
	China	99103941.6	Light Pipe for Linear Light Source	AMI Semiconductor, Inc.
	China	20058008625	Reactive Sensor Modules Using Padé' Approximant Based Compensation	AMI Semiconductor, Inc.
	EPO	6751478.6	Providing Nonlinear Temperature Compensation for Sensing Means by use of Padé Approximant Function Emulators	AMI Semiconductor, Inc.
	EPO	199208.1-224/US0146476	Hearing Aid Digital Automatic Gain Control	AMI Semiconductor, Inc.
	EPO	4011784.8	Double-sided extended drain field effect transistor, and integrated overvoltage and reverse voltage protection circuit that uses the same	AMI Semiconductor, Inc.
	EPO	6252616.5 (1724930)	Low Power Sigma Delta Modulator	AMI Semiconductor, Inc.
	PCT	US2005/019565	Reactive Sensor Modules Using Padé Approximant Based Compensation and Providing Module-Sourced Excitation	AMI Semiconductor, Inc. & Matsushita Electric Works, Ltd.
	PCT	CA2005/001412	Method and System for Managing a Physiological System	AMI Semiconductor, Inc.
	PCT	PCT/US2005/014840	Padé' Approximant Based Compensation for Integrated Sensor Modules and the Like	AMI Semiconductor, Inc.
	PCT	WO 2002/047435 A3	Hearing Aid Digital Automatic Gain Control	AMI Semiconductor, Inc.
	USA	9730200	Hearing Aid Digital Automatic Gain Control	AMI Semiconductor, Inc.
	USA	10041698	Hearing Aid With Digital Compression Recapture	AMI Semiconductor, Inc.
	USA	11567688	Current Protection Circuit Using Multiple Sequenced Bipolar Transistors	AMI Semiconductor, Inc.
	USA	12012120	Thick metal interconnect with metal pad caps at selective sites and process for making the same	AMI Semiconductor, Inc.
	USA	12012121	Thick metal interconnect with metal pad caps at selective sites and process for making the same	AMI Semiconductor, Inc.
	USA	Will Follow	Delay Locked Loop with Fixed Angle De-Skew, Quick Start and Low Jitter	AMI Semiconductor, Inc.
	USA	60/972341	Direct matched and ultra low power transceiver architecture for wireless medical applications	AMI Semiconductor, Inc.

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Patent Number	Country	Application Number	Title	Assignee
	USA	12/027,703	Digital Data Encoding and Decoding Method and System	AMI Semiconductor, Inc.
	USA	11/676,246	Image Sensor Utilizing Dark Current Canceling Feature to Increase Dynamic Range	AMI Semiconductor, Inc.
	USA	11/532,478	A Method for ESD Discharge path optimization in mixed voltage and mixed signal integrated circuits	AMI Semiconductor, Inc.
	USA	11/532,477	Bimodal SCR based ESD protection for single well standard CMOS technologies	AMI Semiconductor, Inc.
	USA	11/544,878	Higher-voltage Tolerant High-Speed Buffer with Slew-rate Control and Short-circuit Current Disabling Mechanism during Power-up	AMI Semiconductor, Inc.
	USA	11/460,948	Sensor Calibration Using Selectively Disconnected Temperature	AMI Semiconductor, Inc.
	USA	11/460,951	Non-Linear Temperature Compensation of a Sensor	AMI Semiconductor, Inc. & Nagano Keiki Co., Ltd.E605
	USA	10/697,854	High resolution, high sensitivity image scanner having noise cancellation improvements	AMI Semiconductor, Inc.
	USA	10/023,109	Listening Device	AMI Semiconductor, Inc.
	USA	10/214,350	Directional Audio Signal Processing Using an Oversampled Filterbank	AMI Semiconductor, Inc.
	USA	10/602,195	Delay Lock Loop with Fixed Angle De-Skew, Quick Start and Low Jitter	AMI Semiconductor, Inc.
	USA	10/860,894	Structured ASIC Device with Configurable Die Size and Selectable Embedded Functions	AMI Semiconductor, Inc.
	USA	10/883,316	Die Identification Systems and Methods	AMI Semiconductor, Inc. & Indigo Systems, Inc.
	USA	10/925,263	Ambient Light Compensation Circuit for Photodiode Receiver Applications	AMI Semiconductor, Inc.
	USA	10/975,914	Antenna Integrated with Retrieval Component in a Hearing Aid	AMI Semiconductor, Inc.
	USA	10/977,295	Radio Frequency Envelope Detector	AMI Semiconductor, Inc.
	USA	11/123,964	Providing Nonlinear Temperature Compensation for Sensing Means by use of Padé Approximant Function Emulators	AMI Semiconductor, Inc.
	USA	11/173,355	Method and System for Active Noise Cancellation	AMI Semiconductor, Inc.
	USA	11/174,366	Method and System for Physiological Signal Processing	EMMA Mixed Signal C.V. (will be changed to AMI Semiconductor, Inc.)
	USA	11/356,597	Current mirror for high current switch	AMI Semiconductor, Inc.
	USA	11/371,661	Method for combining and controlling analog and digital functions on a single pin	AMI Semiconductor, Inc.
	USA	11/700,475	Padé Approximant Based Compensation for Integrated Sensor Modules and the Like	AMI Semiconductor, Inc.

Patent Number	Country	Application Number	Title	Assignee
	USA	11/871,716	A Solution for Semiconductor Wafer Level Testing at High Temperatures	AMI Semiconductor, Inc.
	USA	12/027,692	Multi-Format All-digital Modulator	AMI Semiconductor, Inc.
	USA	12/028,292	Configurable Demodulator and Demodulation Method	AMI Semiconductor, Inc.
	USA	09/985,976	Software Implemented Loudness Normalization for a Digital Hearing Aid	AMI Semiconductor, Inc.
	USA	10/442,630	Multi-Fault Protected High Side Switch with Current Sense	AMI Semiconductor, Inc.
	USA	10/642,847	Method and System for Processing Subband Signals Using Adaptive Filters	AMI Semiconductor, Inc.
	USA	10/815,891	Method and System for Acoustic Shock Protection	AMI Semiconductor, Inc.
	USA	10/857,409	Electrostatic discharge protection device	AMI Semiconductor, Inc. & IMEC
	USA	11/091,743	Method and System for Reducing Audible Side Effects of Dynamic Current Consumption	AMI Semiconductor, Inc.
	USA	11/091,746	Method and System for Protecting Content in a Programmable System	AMI Semiconductor, Inc.
	USA	11/091,747	Method and System for Data Logging in a Listening Device	AMI Semiconductor, Inc.
506547	EPO	92400796.6	Device for Automatic Control of Signal Level (Dispositif De Reglage Automatique De Niveau D'Un Signal)	Granted in individual EPO Countries, listed below
680151	EPO	94200854.1	Analog-to-Digital Conversion Device for Low Frequency Low Amplitude Differential Signals	Granted in individual EPO Countries, listed below
726652	EPO	95200330.9	Linear Tunable Gm-C Integrator	Granted in individual EPO Countries, listed below
976302	EPO	98914755.8	Apparatus for and method of programming a digital hearing aid	Granted in individual EPO Countries, listed below
976303	EPO	98914756.6	Method and apparatus for noise reduction, particularly in hearing aids	Granted in individual EPO Countries, listed below
985328	EPO	1998000914754	Filterbank Structure and Method for Filtering and Separating an Information Signal into Different Bands, Particularly for Audio Signals in Hearing Aids	Granted in individual EPO Countries, listed below
1063578	EPO	99401555	Reference Voltage Generator with Monitoring and Start Up Means	Granted in individual EPO Countries, listed below
1102405	EPO	99402897.5	Transducer Interface Arrangement including a Sigma-Delta Modulator with Offset Correction and with Gain Setting	Granted in individual EPO Countries, listed below
1104109	EPO	99402881.9	Regulator for Sine Wave Generator and Sine Wave Generator Unit Including Such a Regulator	Granted in individual EPO Countries, listed below
1172931	EPO	402008.7	Integrated Sine Wave Generating Circuit	Granted in individual EPO Countries, listed below
1219725	EPO	EP20060000403705	Method for Tungsten Chemical Vapor Deposition On a Semiconductor Substrate	Granted in individual EPO Countries, listed below

Patent Number	Country	Application Number	Title	Assignee
1280033	EPO	1402035.8	EMC Immune Low Drop Regulator	Granted in individual EPO Countries, listed below
1320128	EPO	1403275.9	Method for Making Interconnect Structures	Granted in individual EPO Countries, listed below
1359490	EPO	3251630.4	Bandgap Voltage Reference Using Differential Pairs to Perform Temperature Curvature Compensation	Granted in individual EPO Countries, listed below
1465347	EPO	3447074	Monotonic Precise Current DAC	Granted in individual EPO Countries, listed below
1465348	EPO	3447075.7	Current DAC with a two-dimensional matrix decoder	Granted in individual EPO Countries, listed below
1471535	EPO	4252363.9	Distributed Memory and Logic Circuits	Granted in individual EPO Countries, listed below
1482554	EPO	3447134.2	Electrostatic discharge protection device	Granted in individual EPO Countries, listed below
1529340	EPO	3787772.7	Amplifier	Granted in individual EPO Countries, listed below
	PCT	03/08943	Amplifier	AMI Semiconductor, Inc.
7142144	Canada	2547050	Low Power Sigma Delta Modulator	AMI Semiconductor, Inc.
1529340	Denmark	3787772.7	Amplifier	Depfactory SA
1011233	France	99307348.5	Carrier recovery and demodulator circuit for PSK signals	AMI Semiconductor, Inc.
1471535	France	4252363.9	Distributed Memory and Logic Circuits	AMI Semiconductor, Inc.
1482554	France		Electrostatic discharge protection device	AMI Semiconductor, Inc.
1011233	Germany	99307348.5	Carrier recovery and demodulator circuit for PSK signals	AMI Semiconductor, Inc.
1529340	Germany	3787772.7	Amplifier	Depfactory SA
60301431	Germany	3251630.4	Bandgap Voltage Reference Using Differential Pairs to Perform Temperature Curvature Compensation	AMI Semiconductor, Inc.
60303790	Germany	3447134.2	Electrostatic discharge protection device	AMI Semiconductor, Inc.
1471535	Germany	4252363.9	Distributed Memory and Logic Circuits	AMI Semiconductor, Inc.
1011233	Great Britain	99307348.5	Carrier recovery and demodulator circuit for PSK signals	AMI Semiconductor, Inc.
2771272	Japan	89-209,520	Asynchronous Digital Arbiter	AMI Semiconductor, Inc.
1529340	Switzerland	3787772.7	Amplifier	AMI Semiconductor, Inc.
4853759	USA	07/188,190	Integrated Circuit Filter with Reduced Die Area	AMI Semiconductor, Inc.
4877976	USA	07/237,897	Cascade FET Logic Circuits	AMI Semiconductor, Inc.
4894565	USA	07/231,420	Asynchronous Digital Arbiter	AMI Semiconductor, Inc.
4996584	USA	257,171	Thin-Film Electrical Connections for Integrated Circuits	AMI Semiconductor, Inc.
5170078	USA	07/601,282	Highly Stable High-Voltage Buffer Using CMOS Technology	AMI Semiconductor, Inc.
5179297	USA	07/601,892	CMOS Self-Adjusting Bias Generator for High Voltage Drivers	AMI Semiconductor, Inc.
5521556	USA	08/379,049	Frequency Converter Utilizing a Feedback Control Loop	AMI Semiconductor, Inc.
5552748	USA	08/479,299	Digitally-Tuned Oscillator Including a Self-Calibrating RC Oscillator Circuit	AMI Semiconductor, Inc.

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Patent Number	Country	Application Number	Title	Assignee
5585765	USA	08/479,303	Low Power RC Oscillator Using a Low Voltage Bias Circuit	AMI Semiconductor, Inc.
5589802	USA	08/479,302	Circuit for Detecting The Absence of An External Component	AMI Semiconductor, Inc.
5594388	USA	08/479,304	Self-Calibrating RC Oscillator	AMI Semiconductor, Inc.
5617062	USA	08/479,300	Timing Circuit with Rapid Initialization On Power-Up	AMI Semiconductor, Inc.
5638029	USA	08/479,301	Circuit for Externally Overdriving An Internal Clock	AMI Semiconductor, Inc.
5663675	USA	08/479,298	Multiple Stage Tracking Filter Using a Self-Calibrating RC Oscillator Circuit	AMI Semiconductor, Inc.
5682353	USA	08/665,151	Self Adjusting Sense Amplifier Clock Delay Circuit	AMI Semiconductor, Inc. & WaferScale Integration Inc.
5685925	USA	08/665,150	Manufacturing Method for ROM Array with Minimal Band-to-Band Tunneling	AMI Semiconductor, Inc. & WaferScale Integration Inc.
5822442	USA	5268069	Gain Compression Amplifier Providing a Linear Compression Function	AMI Semiconductor, Inc.
5838046	USA	08/665,136	Operating Method for ROM Array Which Minimizes Band-to-Band Tunneling	AMI Semiconductor, Inc. & WaferScale Integration Inc.
5838168	USA	708,595	3v/5v Input Buffer	AMI Semiconductor, Inc.
5862238	USA	526807	Hearing Aid Having Input and Output Gain Compression Circuits	AMI Semiconductor, Inc.
5898641	USA	9012042	Address Transition Circuit for a Memory	AMI Semiconductor, Inc.
5912861	USA	8965386	ROM/RAM Overlap Circuit	AMI Semiconductor, Inc.
5922598	USA	8965386	Row Fuse Detect Circuit	AMI Semiconductor, Inc.
5923609	USA	08/933,159	Strobed Wordline Driver for Fast Memories	AMI Semiconductor, Inc.
5963071	USA	09/010,805	Frequency Doubler with Adjustable Duty Cycle	AMI Semiconductor, Inc. *
6025935	USA	US1997000001875	Charge Storage Image Scanner Having Equalization Pre-Charge and Reset Improvements	AMI Semiconductor, Inc.
6115478	USA	US1998000060820	Apparatus for and method of programming a digital hearing aid	AMI Semiconductor, Inc.
6160733	USA	08/920,682	Low Voltage and Low Power Static Random Access Memory (SRAM)	AMI Semiconductor, Inc. *
6163208	USA	09/211,550	One Bit Digital Phase Shift Keyed Carrier Recovery and Demodulator Circuit	AMI Semiconductor, Inc.
6167543	USA	09/063,819	Memory Test Mode Circuit	AMI Semiconductor, Inc. **
6236731	USA	09/060,823	Filterbank structure and method for filtering and separating an information signal into different bands, particularly for audio signal in hearing aids	AMI Semiconductor, Inc.
6240029	USA	09/546,919	Memory Column Redundancy	AMI Semiconductor, Inc. *
6240192	USA	09/060,821	Apparatus for and method of filtering in an digital hearing aid, including an application specific integrated circuit and a programmable digital signal processor	AMI Semiconductor, Inc.
6249181	USA	09/451,562	Differential-Mode Charge Transfer Amplifier	AMI Semiconductor, Inc.

Patent Number	Country	Application Number	Title	Assignee
6265729	USA	09/277,338	Method for Detecting and Characterizing Plasma-Etch Induced Damage in An Integrated Circuit	AMI Semiconductor, Inc.
6271339	USA	08/950,090	Electrical Diagnostic Technique for Silicon Plasma Etch Induced Damage Characterization	AMI Semiconductor, Inc.
6294936	USA	09/161,969	Spread-Spectrum Modulation Method and Circuit for Clock Generator Phase-Locked Loop	AMI Semiconductor, Inc.
6342781	USA	09/834,709	Circuits and Methods for Providing a Bandgap Voltage Reference Using Composite Resistors in Series	AMI Semiconductor, Inc.
6347148	USA	09/060,822	Method and apparatus for feedback reduction in acoustic systems, particularly in hearing aids	AMI Semiconductor, Inc.
6351111	USA	09/834,421	Circuits and Methods for Providing a Current Reference with a Controlled Temperature Coefficient Using a Series Composite Resistor	AMI Semiconductor, Inc.
6356148	USA	09/620,277	Systems and Methods for Enhancing Charge Transfer Amplifier Gain	AMI Semiconductor, Inc.
6381378	USA	US1999000322374	Dynamic thresholding module	AMI Semiconductor, Inc.
6437616	USA	09/741,317	Delay Lock Loop with Wide Frequency Range Capability	AMI Semiconductor, Inc.
6493414	USA	09/922,249	Die Information Logic and Protocol	AMI Semiconductor, Inc. *
6501865	USA		Dynamic Thresholding module with IR LED light source for a contact image sensor	AMI Semiconductor, Inc.
6519177	USA	10/016,163	Circuits and Methods for Initializing Memory Cells	AMI Semiconductor, Inc.
6566943	USA	10/034,801	Reference-Free Charge Transfer Amplifier	AMI Semiconductor, Inc.
6606049	USA	10/211,723	Analog to Digital Converters Based On Transconveyance Amplifiers	AMI Semiconductor, Inc.
6606391	USA	09/846,366	Filterbank Structure and Method for Filtering and Separating an Information Signal into Different Bands, Particularly for Audio Signals in Hearing Aids	AMI Semiconductor, Inc.
6614209	USA	10/135,710	Multi Stage Circuits for Providing a Bandgap Voltage Reference Less Dependent On or Independent of a Resistor Ratio	AMI Semiconductor, Inc.
6642699	USA	10/134,108	Bandgap Voltage Reference Using Differential Pairs to Perform Temperature Curvature Compensation	AMI Semiconductor, Inc.
6694448	USA	09/799,884	SRAM Row Redundancy	AMI Semiconductor, Inc. *
6704901	USA	09/613,471	Runtime Programmable Reed Solomon Decoder	AMI Semiconductor, Inc.
6707286	USA	10/373,912	Low Voltage Enhanced Output Impedance Current Mirror	AMI Semiconductor, Inc.
6711397	USA	09/716,303	Structures and Methods for Direct Conversion From Radio Frequency Modulated Signals to Baseband Signals	AMI Semiconductor, Inc.

Patent Number	Country	Application Number	Title	Assignee
6713855	USA	10/014,928	Dual Die Memory	AMI Semiconductor, Inc. *
6744309	USA	10/262,437	Absolute Value Amplitude Baseband Detector	AMI Semiconductor, Inc.
6765825	USA	10/387,824	Differential NOR Memory Cell Having Two Floating Gate Transistors	AMI Semiconductor, Inc.
6768371	USA	10/393,333	Stable Floating Gate Voltage Reference Using Interconnected Current-to-Voltage and Voltage-to-Current Converters	AMI Semiconductor, Inc.
6794691	USA	10/348,093	Use of Irregularly Shaped Conductive Filler Features to Improve Planarization of the Conductive Layer While Reducing Parasitic Capacitance Introduced by the Filler Features	AMI Semiconductor, Inc.
6816401	USA	10/406,526	Static Random Access Memory (SRAM) Without Precharge Circuitry	AMI Semiconductor, Inc.
6819163	USA	10/401,082	Switched Capacitor Voltage Reference Circuits Using Transconductance Circuit to Generate Reference Voltage	AMI Semiconductor, Inc.
6819195	USA	10/384,094	Stimulated Quick Start Oscillator	AMI Semiconductor, Inc.
6822513	USA	10/446,306	Symmetric and Complementary Differential Amplifier	AMI Semiconductor, Inc.
6844781	USA	10/615,440	Dual Differential-Input Amplifier Having Wide Input Range	AMI Semiconductor, Inc.
6867640	USA	10/611,714	Double-sided extended drain field effect transistor, and integrated overvoltage and reverse voltage protection circuit that uses the same	AMI Semiconductor, Inc.
6870398	USA	10/422,137	Distributed Memory and Logic Circuits	AMI Semiconductor, Inc.
6882513	USA	10/243,749	Integrated Overvoltage and Reverse Voltage Protection Circuit	AMI Semiconductor, Inc.
6909305	USA	10/637,840	Digitally Controlled Impedance Driver Matching for Wide Voltage Swings at Input/Output Node and Having Programmable Step Size	AMI Semiconductor, Inc.
6940743	USA	10/640,922	Amplifier	AMI Semiconductor, Inc.
6946828	USA	10/442,618	Bi-Directional Current Measurement Circuit that uses a Transconductance Amplifier to Generate a Copy Current	AMI Semiconductor, Inc.
6960529	USA	10/373,911	Methods for Sidewall Protection of Metal Interconnect for Unlanded Vias Using Physical Vapor Deposition	AMI Semiconductor, Inc.
7006809	USA	10/430,455	An Adaptive Diversity Receiver Architecture	AMI Semiconductor, Inc.
7006938	USA	10/870,314	Reactive Sensor Modules Using Pad Approximant Based Compensation and Providing Module-Sourced Excitation	AMI Semiconductor, Inc. & Matsushita Electric Works, Ltd.
7009444	USA	10/770,223	Temperature Stable Voltage Reference Circuit Using a metal-Silicon Schottky Diode For Low Voltage Circuit Applications	AMI Semiconductor, Inc.

Patent Number	Country	Application Number	Title	Assignee
7016507	USA	09/060,825	Method and apparatus for noise reduction, particularly in hearing aids	AMI Semiconductor, Inc.
7034574	USA	10/920,009	Low-Voltage Differential Signal (LVDS) Transmitter with High Signal Integrity	AMI Semiconductor, Inc.
7034597	USA	10/933,742	Dynamic Phase Alignment of a Clock and Data Signal Using an Adjustable Clock Delay Line	AMI Semiconductor, Inc.
7050966	USA	10/214,056	Sound Intelligibility Enhancement Using a Psychoacoustic Model and an Oversampled Filterbank	AMI Semiconductor, Inc.
7057148	USA	10/903,790	Optical Tracking Sensor Method	AMI Semiconductor, Inc.
7064609	USA	10/919,757	High Voltage, Low-Offset Operational Amplifier with Rail-to-Rail Input Range in a Standard Digital CMOS Process	AMI Semiconductor, Inc.
7102188	USA	11/098,940	High Reliability Electrically Erasable and Programmable Read-Only Memory	AMI Semiconductor, Inc.
7106039	USA	11/119,452	Closed Loop Direct Current to Direct Current Converter that does not Require Voltage Reference	AMI Semiconductor, Inc.
7110554	USA	10/214,057	Sub-band Adaptive Signal Processing in an Oversampled Filterbank	AMI Semiconductor, Inc.
7113760	USA	10/426,383	Direct Conversion Receiver for Amplitude Modulated Signals Using Linear/Log Filtering	AMI Semiconductor, Inc.
7120584	USA	10/277,598	Method and System for Real Time Speech Synthesis	AMI Semiconductor, Inc.
7139403	USA	10/041,698	Hearing Aid With Digital Compression Recapture	AMI Semiconductor, Inc.
7139546	USA	10/426,225	Up-Conversion of a Down-Converted Baseband Signal in a Direct Conversion Architecture Without the Baseband Signal Passing Through Active Elements	AMI Semiconductor, Inc.
7139707	USA	10/277,454	Method and System for Real Time Speech Recognition	AMI Semiconductor, Inc.
7141503	USA	10/877,482	Methods For Manufacturing a Soft Error and Defect Resistant Pre-Metal Dielectric Layer	AMI Semiconductor, Inc.
7142144	USA	11/32705	Low Power Sigma Delta Modulator	AMI Semiconductor, Inc. *
7190178	USA	10/845,681	Pade' Approximant Based Compensation for Integrated Sensor Modules and the Like	AMI Semiconductor, Inc.
7197091	USA	10/430,656	Direct Conversion Receiver with Direct Current Offset Correction Circuitry	AMI Semiconductor, Inc.
7215156	USA	11/157,403	Differential Signal Driver Having Complimentary and Current-Aided Pre-Emphasis	AMI Semiconductor, Inc.
7218154	USA	11/094,945	Track and Hold Circuit with Operating Point Sensitive Current Mode Based Offset Compensation	AMI Semiconductor, Inc.
7279757	USA	11/010,892	Double-sided extended drain field effect transistor	AMI Semiconductor, Inc.

Patent Number	Country	Application Number	Title	Assignee
	WO	WO2004017513 A1	Amplifier	Dspifactory SA

- * Acquired from and currently registered to Nanoamp Solutions, Inc. A request has been made to the USPTO to change the registered owner to AMI Semiconductor, Inc.
- ** Acquired from and currently registered to Enable Semiconductor, Inc. A request has been made to the USPTO to change the registered owner to AMI Semiconductor, Inc.
- * Acquired from and currently registered to LPIC Microelectronics, Inc. A request has been made to the USPTO to change the registered owner to AMI Semiconductor, Inc.