

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
Power-One, Inc.	03/29/2011

RECEIVING PARTY DATA

Name:	Bank of America, N.A.
Street Address:	800 5th Avenue
Internal Address:	Floor 17
City:	Seattle
State/Country:	WASHINGTON
Postal Code:	98104

PROPERTY NUMBERS Total: 172

Property Type	Number
Patent Number:	7049677
Patent Number:	6958592
Patent Number:	7023190
Patent Number:	7315157
Patent Number:	7327149
Patent Number:	6204745
Patent Number:	7026664
Patent Number:	5636107
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Patent Number:	7239115
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Patent Number:	5715153

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Application Number:	61441486
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Application Number:	61448856
Application Number:	12127726
Application Number:	11760660
Patent Number:	6657872
Patent Number:	6707288
Application Number:	12451682
Patent Number:	6970366

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	4452178-0433
NAME OF SUBMITTER:	Safet Metjahic

Total Attachments: 16
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PATENT SECURITY AGREEMENT

THIS PATENT SECURITY AGREEMENT dated as of March 29, 2011 (this "Patent Security Agreement") is being entered into among **POWER-ONE, INC.**, a Delaware corporation (the "Borrower"), **EACH OF THE UNDERSIGNED U.S. SUBSIDIARIES OF THE BORROWER AND EACH OTHER PERSON WHO SHALL BECOME A PARTY HERETO BY EXECUTION OF A SECURITY JOINDER AGREEMENT** (each a "Grantor" and, together with the Borrower, collectively, the "Grantors"), and **BANK OF AMERICA, N.A.**, as Administrative Agent (in such capacity, the "Administrative Agent") for each of the Secured Parties (as defined in the Credit Agreement referenced) below.

RECITALS:

A. Pursuant to a Credit Agreement dated as of the date hereof (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), among the Borrower, the Administrative Agent, Bank of America, N.A., as L/C Issuer, and Swing Line Lender and the lenders now or hereafter party thereto (the "Lenders"), the Lenders have agreed to provide to the Borrower a revolving credit facility with a letter of credit sublimit and swing line facility.

B. Certain additional extensions of credit may be made from time to time for the benefit of the Grantors pursuant to certain Cash Management Agreements and Hedge Agreements (each as defined in the Credit Agreement).

C. Pursuant to the Security Agreement dated as of the date hereof (as amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement"), among the Grantors and the Administrative Agent, the Grantors have granted to the Administrative Agent, for the benefit of Secured Parties, a security interest in the Collateral, including all right, title and interest of Grantors in, to and under all patents, applications for patent, inventions and reissues, continuations, divisions and continuations-in-part in any of the foregoing owned by Grantors (the "Patents"), whether now owned or hereafter acquired.

D. It is a condition precedent to the Secured Parties' obligations to make and maintain such extensions of credit that the Grantors shall have executed and delivered this Patent Security Agreement to the Administrative Agent.

In order to induce the Secured Parties to from time to time make and maintain extensions of credit under the Credit Agreement and such Cash Management Agreements and Hedge Agreements, the parties hereto agree as follows:

SECTION 1. Defined Terms. Unless the context otherwise requires, all capitalized terms used-but not defined herein shall have the meanings set forth in the Credit Agreement.

SECTION 2. Incorporation of the Security Agreement. The Security Agreement and the terms and conditions thereof are hereby incorporated hereby in their entirety by this reference.

SECTION 3. Security Interest in Patents. As security for the payment and performance in full when due, of such Grantor's Obligations, each Grantor hereby grants to the Administrative Agent, and its permitted successors and assigns, for the ratable benefit of the Secured Parties, a security interest in all of such Grantor's right, title and interest in, to and under the Patents, whether now owned or hereafter acquired, including, without limitation: (i) the patents and patent applications set forth on Schedule A attached hereto, and (ii) all income, royalties and payments accrued, due or payable now or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement thereof, with the right to sue for, and collect the same.

SECTION 4. Counterparts. This Patent Security Agreement may be executed in any number of counterparts each of which when so executed and delivered shall be deemed an original, and it shall not be necessary in making proof of this Patent Security Agreement to produce or account for more than one such counterpart executed by the Grantor against whom enforcement is sought. Without limiting the foregoing provisions of this Section 4, the provisions of Section 10.10 of the Credit Agreement shall be applicable to this Patent Security Agreement.

SECTION 5. Governing Law. This Patent Security Agreement shall be construed in accordance with and governed by the laws of the State of New York.

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

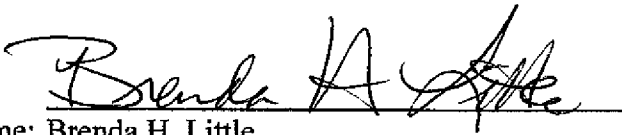
GRANTOR:

POWER-ONE, INC.

By: 
Name: Gary R. Larsen
Title: Senior Vice President-Finance and
Chief Financial Officer

ADMINISTRATIVE AGENT:

**BANK OF AMERICA, N.A., as Administrative
Agent**

By: 
Name: Brenda H. Little
Title: Vice President

Power-One, Inc.
Patent Security Agreement
Signature Page

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PATENT
REEL: 026401 FRAME: 0108

SCHEDULE A

PATENT AND PATENT APPLICATIONS

Title	Matter Code	Appl Type	Country	App Serial No.	Status	Patent No.	Date Issued
Low Cost Dielectric Isolation Method for Integration of Vertical Power MOSFET and Lateral Driver Devices	003385	UTL	US	10/767,384	ISSUED	7,049,677	5/23/2006
Dual-Output DC-DC Power Supply	003781	UTL	US	763685	ISSUED	5,715,153	2/3/1998
Adaptive Delay Control Circuit For Switched Mode Power Supply	005398	UTL	US	10/724,509	ISSUED	6,958,592	10/25/2005
ADC Transfer Function Providing Improved Dynamic Regulation in a Switched Mode Power Supply	005414	UTL	US	10/779,475	ISSUED	7,023,190	4/4/2006
ADC Transfer Function Providing Improved Dynamic Regulation in a Switched Mode Power Supply	005432	UTL	US	11/349,853	ISSUED	7,315,157	1/1/2008
Bi-Directional MOS Current Sense Circuit	005422	UTL	US	11/126,429	ISSUED	7,327,149	2/5/2008
Continuous Multi-Turn Coils	005412	UTL	US	09/440,378	ISSUED	6,204,745	3/20/2001
DC-DC Converter Implemented in a Land Grid Array Package	005403	UTL	US	10/423,603	ISSUED	7,026,664	4/11/2006
DC-DC Converters	005409	UTL	US	08/558,175	ISSUED	5,636,107	6/3/1997
Digital Power Manager for Controlling and Monitoring an Array of Point-of-Load Regulators	005418	UTL	US	11/048,014	ISSUED	7,394,445	7/1/2008
Digital Power Manager for Controlling and Monitoring an Array of Point-of-Load Regulators	005446	UTL	US	11/932,796	ISSUED	7,646,382	1/12/2010
Digital Pulse Width Modulation Controller with Preset Filter Coefficients	005421	UTL	US	11/099,391	ISSUED	7,239,115	7/3/2007
Digital Signal Processor Architecture Optimized for Controlling Switched Mode Power Supply	005401	UTL	US	10/361,452	ISSUED	6,850,046	2/1/2005

Dual Input Range Power Supply Using Two Series or Parallel Connected Converter Sections with Automatic Power	005387	UTL	US	09/740,110	ISSUED	6,370,047	4/9/2002
Dual-Output DC-DC Power Supply	005406	UTL	US	08/763,685	ISSUED	5,715,153	2/3/1998
Dual-Output DC-DC Power Supply	005407	UTL	US	09/504,568	ISSUED	6,195,275	2/27/2001
Dynamic Control of Power Converter Output Voltage Slew Rate	005405	UTL	US	10/670,050	ISSUED	6,914,348	7/5/2005
Dynamic Control of Power Converter Output Voltage Slew Rate	005427	UTL	US	11/174,811	ISSUED	6,989,612	1/24/2006
Digital Output Voltage Regulation Circuit Having First Control Loop for High Speed and Second Control Loop for High Accuracy	005420	UTL	US	11/084,766	ISSUED	7,141,956	11/28/2006
Digital Control System and Method for Switched Mode Power Supply	005399	UTL	US	10/361,667	ISSUED	6,933,709	8/23/2005
Digital Double-Loop Output Voltage Regulation	005435	UTL	US	11/605,045	ISSUED	7,394,236	7/1/2008
Digital Double-Loop Output Voltage Regulation	005436	UTL	US	11/671,889	ISSUED	7,554,310	6/30/2009
Isolated Current Voltage, Voltage to Voltage Converter	005449	UTL	US	12/115,452	ISSUED	7,834,613	11/16/2010
Method and System for Controlling and Monitoring an Array of Point-of-Load Regulators	005397	UTL	US	10/326,222	ISSUED	7,000,125	2/14/2006
Method and System for Current Sharing Among a Plurality of Power Modules	005402	UTL	US	10/401,463	ISSUED	6,788,036	9/7/2004
Method and System for Communicating Filter Compensation Coefficients for a Digital Power Control System	005416	UTL	US	10/889,806	ISSUED	7,249,267	7/24/2007
Method and System for Controlling an Array of Point-of-Load Regulators and Auxiliary Devices	005433	UTL	US	11/354,550	ISSUED	7,266,709	9/4/2007
Method and System for Controlling a Mixed Array of Point-of-Load Regulators Through a Bus Translator	005434	UTL	US	11/558,848	ISSUED	7,673,157	3/2/2010
Method and System for Controlling and Monitoring an Array of Point-of-Load Regulators	005437	UTL	US	11/696,422	ISSUED	7,737,961	6/15/2010

Method and System for Controlling and Monitoring an Array of Point-of-Load Regulators	005438	UTL	US	11/696,449	ISSUED	7,882,372	2/1/2011
Method and System for Optimizing Filter Compensation Coefficients for a Digital Power Control System	005439	UTL	US	11/781,878	ISSUED	7,743,266	6/22/2010
Method and System for Communicating Filter Compensation Coefficients for a Digital Power Control System	005440	UTL	US	11/778,647	ISSUED	7,565,559	7/21/2009
Method and System for Controlling and Monitoring an Array of Point-of-Load Regulators	005448	UTL	US	11/946,809	ISSUED	7,782,029	8/24/2010
Micro Lead Frame Package	005404	UTL	US	10/602,100	ISSUED	7,253,506	8/7/2007
Multi-Deck Power Converter Module System and Method for Controlling Output-Timing Parameters of Power Converters	005408	UTL	US	08/803,980	ISSUED	5,812,387	9/22/1998
Phase-Shifted Resonant Converter Having Reduced Output Ripple	005394	UTL	US	11/103,835	ISSUED	7,068,021	6/27/2006
Power Converter Having Regulated Dual Outputs	005450	UTL	US	09/948,456	ISSUED	6,501,193	12/31/2002
Power Supply Packaging System	005395	UTL	US	10/377,202	ISSUED	7,129,577	10/31/2006
Power Supply Packaging System	005417	UTL	US	10/925,792	ISSUED	7,154,174	12/26/2006
System and Method Providing Digital Pulse Width Modulation	005396	UTL	US	10/299,439	ISSUED	6,833,691	12/21/2004
System and Method for Managing Fault in a Power System	005415	UTL	US	10/890,573	ISSUED	7,372,682	5/13/2008
SYSTEM AND METHOD FOR PROVIDING DIGITAL PULSE WIDTH MODULATION	005419	UTL	US	10/986,607	ISSUED	6,989,661	2/4/2006
System and Method for Controlling a Point-of-Load Regulator	005425	UTL	US	11/117,188	ISSUED	7,459,892	12/2/2008
System and Method for Providing Digital Pulse Width Modulation	005428	UTL	US	11/187,182	ISSUED	7,057,379	6/6/2006
System and Method for Controlling Output-Timing Parameters of Power Converters	005429	UTL	US	11/264,057	ISSUED	7,315,156	1/1/2008

System and Method for Providing Digital Pulse Width Modulation	005431	UTL	US	11/326,813	ISSUED	7,202,651	4/10/2007
System and Method for Interleaving Point-of-Load Regulators	005442	UTL	US	11/927,682	ISSUED	7,493,504	2/17/2009
System and Method for Managing Fault in a Power System	005444	UTL	US	11/930,107	ISSUED	7,583,487	9/1/2009
System and Method for Managing Fault in a Power System	005445	UTL	US	11/930,065	ISSUED	7,554,778	6/30/2009
System for Controlling an Monitoring an Array of Point-of-Load Regulators by a Host	005426	UTL	US	11/165,798	ISSUED	7,456,617	11/25/2008
System for Controlling an Array of Point-of-Load regulators and Auxiliary Devices	005443	UTL	US	11/930,049	ISSUED	7,836,322	11/16/2010
Self Tracking ADC for Digital Power Supply Control Systems	005441	UTL	US	11/876,756	ISSUED	7,710,092	6/4/2010
SINGLE-ENDED FORWARD CONVERTERS WITH QUASI-OPTIMAL RESETTNG FOR SYNCHRONOUS RECTIFICATION	005386	UTL	US	09/546,592	ISSUED	6,304,463	10/16/2001
FORWARD CONVERTER CIRCUIT HAVING REDUCED SWITCHING LOSSES	005384	UTL	US	09/706,407	ISSUED	6,370,051	4/9/2002
SELF-DRIVEN SYNCHRONOUS RECTIFIER CIRCUIT FOR NON-OPTIMAL RESET SECONDARY VOLTAGE	005385	UTL	US	09/765,799	ISSUED	6,301,139	10/9/2001
Unregulated DC-DC Converter Having Synchronous Rectification with Efficient Gate Drives	005410	UTL	US	10/726,893	ISSUED	6,917,529	7/12/2005
Voltage Set Point Control Scheme	005430	UTL	US	11/281,973	ISSUED	7,526,660	4/28/2009
Charging Voltage Control Circuit for Battery Chargers	N3799_001	UTL	US	634,093	ISSUED	5,254,932	10/19/1993
Startup Circuit for Electronic Ballasts for Instant-Start Lamps	0196_002	UTL	US	732,829	ISSUED	5,177,408	1/5/1993
Charging Voltage Control and Current Limit For Battery Chargers	0196_001	UTL	US	763,630	ISSUED	5,192,905	3/9/1993
Equipment for the Generation of Stabilized High Direct Voltage, Particularly for Use in Combination with a Non-Polluting Muffler	000851	UTL	US	07/898,841	ISSUED	5,289,360	2/22/1994

Control Circuit For A Direct Current Motor	N3799_038	UTL	US	08/807,899	ISSUED	5,828,194	10/27/1998
Electronic Ballast For High-Density Discharge Lamps	2598	UTL	US	08/838,440	ISSUED	5,923,128	7/13/1999
Ultra-Flat Magnetic Device for Electronic Circuits	2817	UTL	US	08/888,750	ISSUED	5,886,610	3/23/1999
Electronic ballast circuit for independently increasing the power factor and decreasing the crest factor	N3799_002	UTL	US	08/892,875	ISSUED	5,939,837	8/17/1999
A Power Supply for Discharge Lamps with Balanced Resonant Circuit	3121	UTL	US	09/010,689	ISSUED	6,118,223	9/12/2000
Supply Circuit for Discharge Lamps with Overvoltage Protection	3281	UTL	US	09/064,300	ISSUED	6,194,842	2/27/2001
Single Ended Forwarded DC-to-DC Converter Providing Enhanced Resetting for Synchronous Rectification	003394	UTL	US	09/105,511	ISSUED	5,886,881	3/23/1999
Universal Power Supply for Discharge Lamps	3426	UTL	US	09/109,138	ISSUED	6,081,077	6/27/2000
Single Ended Forwarded DC-to-DC Converter Providing Enhanced Resetting for Synchronous Rectification	003395	UTL	US	09/266,199	ISSUED	5,986,899	11/16/1999
Process for Producing Printed Circuits and Printed Circuits Thus Obtained	N4391	UTL	US	09/374,971	ISSUED	6,401,332	6/11/2002
Single Ended Forwarded DC-to-DC Converter Providing Enhanced Resetting for Synchronous Rectification	003393	UTL	US	09/439,748	ISSUED	6,141,224	10/31/2000
Circuit Module with Universal Connectivity	003667	UTL	US	09/737,410	ISSUED	6,692,269	2/17/2004
I-Channel Surface-Mount Connector	003669	UTL	US	09/737,303	ISSUED	6,750,396	6/15/2004
Fully Automatic Process for Magnetic Circuit Assembly	003668	UTL	US	10/041,792	ISSUED	6,792,667	9/21/2004
I-Channel Surface-Mount Connector with Extended Flanges	003670	UTL	US	09/991,420	ISSUED	6,503,088	1/7/2003
Power Supply Circuit of an Electric Motor and Corresponding Control Method	N8084	UTL	US	10/030,025	ISSUED	6,775,161	8/10/2004
Process for Producing Printed Circuits and Printed Circuits thus Obtained	N8125	UTL	US	10/043,002	ISSUED	6,858,806	2/22/2005
Isolated Drive Circuitry Used in Switch-Mode Power Converters	003664	UTL	US	10/061,189	ISSUED	6,804,125	10/12/2004

Isolated Drive Circuitry Used in Switch-Mode Power Converters	003675	UTL	US	10/061,662	ISSUED	7,102,898	9/5/2006
Method and Apparatus for Providing an Initial Bias and Enable Signal for a Power Converter	003678	UTL	US	10/085,363	ISSUED	6,724,624	4/20/2004
Composite Low Flow Impedance Voltage Guard for Electronic Assemblies	003662	UTL	US	10/134,214	ISSUED	6,560,105	5/6/2003
I-Channel Surface-Mount Connector	003671	UTL	US	10/138,139	ISSUED	6,860,003	3/1/2005
I-Channel Surface-Mount Connector	003672	UTL	US	10/138,173	ISSUED	6,722,930	4/20/2004
Simple and Efficient Isolated Switching Regulator For Fast Transient Loads	003679	UTL	US	10/187,645	ISSUED	6,567,279	5/20/2003
Inductor Current Sensing in Isolated Switching Regulators and Related Methods	003674	UTL	US	10/187,782	ISSUED	6,828,762	12/7/2004
Method and Apparatus for Controlling Synchronous Rectifiers of a Power Converter	003677	UTL	US	10/187,562	ISSUED	6,711,039	3/23/2004
I-Channel Surface-Mount Connector	003673	UTL	US	10/270,904	ISSUED	6,649,831	11/18/2003
DC/DC Converter with Filter for Limiting the Oscillation of the Input Current and Associated Method" based on EPO 02425389.0	N9486	UTL	US	10/463,831	ISSUED	6,946,822	9/20/2005
Electric-Power Supply with Rectifier" based on EPO 02425390.8	N9485	UTL	US	10/462,934	ISSUED	6,934,156	8/23/2005
Current-Powered Converter with Energy Recovery Clamping Circuit" based on EPO app filed June 17, 2002	N9483	UTL	US	10/463,210	ISSUED	6,836,413	12/28/2004
Power Rectifier With Power Supply Cut-Off Means based on EPO 02425196.9	N9254	UTL	US	10/402,690	ISSUED	7,061,733	6/13/2006
Isolated Drive Circuitry Used in Switch-Mode Power Converters	003676	UTL	US	10/648,659	ISSUED	6,791,851	9/14/2004
Arrangement for Co-Planar Vertical Surface Mounting of Subassemblies on a Mother Board	003660	UTL	US	10/716,134	ISSUED	6,815,615	11/9/2004
Arrangement For Surface Mounting of Subassemblies on a Mother Board	004336	UTL	US	10/715,907	ISSUED	7,027,305	4/11/2006
Lighting Installation with Regulation of Light Emission Devices	N1311	UTL	US	10/824,770	ISSUED	7,135,966	11/14/2006

Vertical Power JFET with Low On-Resistance for High Voltage Applications	003386	UTL	US	10/828,773	ISSUED	7,235,827	6/26/2007
Enhanced Connection Arrangement for Co-Planar Vertical Surface Mounting of Subassemblies on a Mother Board	003680	UTL	US	10/972,488	ISSUED	7,145,085	12/5/2006
Integral Molded Heat Sinks on DC-DC Converters and Power Supplies	003390	UTL	US	11/044,870	ISSUED	7,236,368	6/26/2007
Compensated Droop Method for Paralleling of Power Supplies (C-Droop Method)	003389US	UTL	US	11/049,909	ISSUED	7,304,462	12/4/2007
Electronic Circuit Breaker	N8851	UTL	US	11/055,531	ISSUED	7,230,813	6/12/2007
Method and System for Detecting Messages in the Presence of Noise	V0472		US	11/911,358	PUBLISHED		
Anti-Islanding Method And Device For Distributed Power Generation Systems	N2518	UTL	US	11/197,128	ISSUED	7,408,268	8/5/2008
AC COUPLED BIAS CIRCUIT FOR POWER CONVERTERS	003399	UTL	US	11/198,601	ISSUED	7,274,575	9/25/2007
Electronic Circuit Breaker	N8851CIP	UTL	US	11/226,477	ISSUED	7,630,185	12/8/2009
Method & Relative Protocol for the Transmission of Information Between a Collecting Unit & a Plurality of Control Devices & System Employing Said Method	N2667	UTL	US	10/551,592	PENDING		
Method and Device for the Control of a Three-Phase Inverter	N3035	UTL	US	11/349,620	ISSUED	7,760,526	7/20/2010
Computer Implemented Systems and Methods for Pre-emptive Service and Improved Use of Service Resources	004770	UTL	US	11/919,041	ISSUED	7,779,290	8/17/2010
Delivery of Electric Power by Means of a Plurality of Parallel Inverters and Control Method Based on Maximum Power Point Tracking	003166A	UTL	US	12/663,499	PUBLISHED		
Method for Transmission of Information Between Nodes of a Network and Network Using Said Method	V0435_002	UTL	US	11/910,828	PENDING		
Electricity Distribution Network with Stray Voltage Monitoring and Method of Transmission of Information on Said Network	V0433	UTL	US	11/868,269	PUBLISHED		

Improving Performance Metrics in Renewable Energy Systems	004732	UTL	US	11/919,043	PENDING	
Computer Implemented Systems and Methods for Start-up, Calibration and Troubleshooting of an Installed Renewable Energy System	004733	UTL	US	11/919,042	PENDING	
Computer Implemented Systems and Methods for Enhancing Renewable Energy Educational Activities	004734	UTL	US	11/918,970	PENDING	
Computer Implemented Systems and Methods for Improving Renewable Energy Systems Performance Guarantees	004771	UTL	US	11/919,016	PENDING	
A Method for Assigning Addresses to a Plurality of Electronic Devices Connected to a Communication Channel	004162	UTL	US	12/812,835	PUBLISHED	
Method and Apparatus for Providing an Initial Bias and Enable Signal for a Power Converter	003663	UTL	US	12/056,796	PENDING	
A System for Producing Electric Power from Renewable Sources and a Control Method Thereof	000823	UTL	US	12/158,723	PUBLISHED	
Systems and Methods for Distributed Asset Management Having Tagging Capabilities	004765	UTL	US	12/173,727	PENDING	
Circuit for Controlling Synchronous Rectifiers During the Start-Up into Prebiased Output Voltage	001074	PRV	US	61/087,502	PENDING	
A HARDWARE VIRTUALIZATION SYSTEM	005261	UTL	US	13/060,946	PENDING	
A Lighting Unit, A System Comprising IT and a Control Method Thereof	001265	UTL	US	12/251,885	PUBLISHED	
Circuit for Controlling Synchronous Rectifiers During the Start-Up into Prebiased Output Voltage	001400	UTL	US	12/500,741	PENDING	
State of the Art Power Supply Architecture	002176	PRV	US	61/252,067	PENDING	
Connector Interface in a Modular Product	002177	PRV	US	61/252,070	PENDING	
ZVS of Half Bridge Converter During Start-Up and Short Circuit Conditions	002178	PRV	US	61/252,072	PENDING	
HID-Lamp Control Method and Circuit	002820	UTL	US	12/623,211	PUBLISHED	

AC/DC Power Converter with Active Rectification and Input Current Shaping	003069	PRV	US	61/299,388	PENDING		
AC/DC Power Converter with Active Rectification and Input Current Shaping							
AC/DC Power Converter with Active Rectification and Input Current Shaping	003069	UTL	US	12/707,775	PENDING		
Magnetic Component with Bobbinless Winding	003453	PRV	US	61/312,556	PENDING		
Method and Apparatus for Reprogramming applications in embedded devices	003699	UTL	US	12/754,380	PUBLISHED		
Method for Determining the Phases in a Multi-Phase Electrical System and Device for the Implementation Thereof	003864	UTL	US	12/740,650	PUBLISHED		
Isolation System for a Bi-directional Communication Bus Line	002175	PRV	US	61/329,889	PENDING		
MAGNETIC COMPONENT WITH BOBBINLESS WINDING	003606	UTL	US	12/780,498	PENDING		
SINGLE STAGE MICRO-INVERTER WITH H-BRIDGE TOPOLOGY COMBINING FLYBACK AND FORWARD OPERATING MODES	002314	UTL	US	12/817,726	PENDING		
Power Supply Architecture for Controlling and Monitoring Isolated Output Modules	003096	UTL	US	12/905,693	PENDING		
System and Method for Zero-Volt Switching of Half Bridge Converters During Start-Up and Short Circuit Conditions	003097	UTL	US	12/905,699	PENDING		
Modular Power Supply Interconnection System With Pluggable Interface	003098	UTL	US	12/905,707	PENDING		
Multi-Level Topology For a High Power Switching Converter	003621	PRV	US	61/410,032	PENDING		
Isolation System for a Bi-directional Communication Bus Line	004787	UTL	US	12/957,162	PENDING		

Antivibration Fan Control for Modular Power Supplies Used in Vibration Sensitive Applications	004843	UTL	US		61/421,402	PENDING		
Input Current Shaping Method for Transition and Discontinuous Mode Power Converter	005207	PRV	US		61/441,486	PENDING		
Digital Phase Adjustment Method for Multi-Phase Power Converters	005208	PRV	US		61/441,490	PENDING		
System and Method for Controlling Out-Timing Parameters of Power Converters	005391	UTL	US		6,936,999	ISSUED		
System and Method for Interleaving Point-of-Load Regulators	005392	UTL	US		7,373,527	ISSUED		
Voltage Set Point Control Scheme	005390	UTL	US		7,080,265	ISSUED		
Forward Converter Circuit Having Reduced Switching Losses	005389	UTL	US		7,049,798	ISSUED		
Multi-Phase Resonant Converter with Trimmable Inductor and Phase Current Balancing Method	004842	UTL	US		61/448,856	PENDING		
Apparatus and Method of Optimizing Power System Efficiency Using a Power Loss Model (OMM File)		UTL	US		12/127,726	PENDING		
Method and System for Controlling an Array of Point-of-Load Regulators and Auxiliary Devices (OMM File)		UTL	US		11/760,660	PENDING		
Inverter for the Supply Discharge Lamps with Heated Electrodes, with Resonant Circuit		UTL	US		187,878	ISSUED	5,479,334	12/26/1995
Electronic Reactor for the Supply of Discharge Lamps with an Oscillator Circuit to Limit the Crest Factor and to Correct the Power Factor		UTL	US		386,810	ISSUED	5,485,060	1/16/1996
Flat Pin Connector for Electronic Circuit Boards		UTL	US		912,292	ISSUED	5,848,903	12/15/1998
Power Supply Module		UTL	US		10/060,621	ISSUED	6,704,203	3/9/2004
Method and Apparatus for Providing an Initial Bias and Enable Signal for a Power Converter		UTL	US		10/085,363	ISSUED	6,724,642	4/20/2004
Transistor Driver Circuit		UTL	US		10/357,313	ISSUED	6,741,099	5/25/2004

Arrangement for Co-Planar Vertical Surface Mounting of Subassemblies on a Mother Board	UTL	US	10/7/16,134	ISSUED	6,815,614	11/9/2004
Apparatus and Method for Testing HighCurrent Circuit Assemblies	UTL	US	10/053,135	ISSUED	6,838,898	1/4/2005
System and Method for Controlling a Point-of-Load Regulator	UTL	US	10/293,531	ISSUED	6,949,916	9/27/2005
Connector for Surface Mounting Subassemblies Vertically on a Mother Board and Asemblies Comprising the Same	UTL	US	10/7/15,908	ISSUED	6,984,156	1/10/2006
Primary Side Turn-Off of Self-Driven Synchronous Rectifiers	UTL	US	10/843,406	ISSUED	7,203,041	4/10/2007
Self Driven Synchronous Rectifier Shutdown Circuit and Method	UTL	US	11/6/14,908	ISSUED	7,333,350	2/19/2008
Power Supply Mounting Insert	Design	US	241/835	ISSUED	D324,487	3/10/1992
Power Converter Casing	Design	US	29/168,512	ISSUED	D349,682	8/16/1994
Power Converter Casing	Design	US	29/311,854	ISSUED	D350,529	9/13/1994
Power Converter Casing	Design	US	29/267,125	ISSUED	D351,134	10/4/1994
AC-DC Converter	Design	US	29/214,388	ISSUED	D409,138	5/4/1999
Power Supply Housing	Design	US	29/345,293	ISSUED	D429,213	8/8/2000
Power Supply Housing	Design	US	29/266,384	ISSUED	D494,538	8/17/2004

Voltage Converter	UTL	US	10/082,625	ISSUED	6,657,872	12/2/2003
Apparatus for producing and testing electronic units	UTL	US	10/106,887	ISSUED	6,707,288	3/16/2004
Multi-Output synchronous flyback converter	UTL	US	12/451,682	Published		

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