PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Patent Assignment

CONVEYING PARTY DATA

Name	Execution Date
Lucent Technologies Inc.	12/29/2000

RECEIVING PARTY DATA

Name:	Tyco Electronics Logistics A.G.
Street Address:	Amperestrasse 3
City:	Steinach
State/Country:	SWITZERLAND
Postal Code:	9323

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	RE37889

CH $40.00 RE37889

CORRESPONDENCE DATA

Fax Number: (972)480-8865
Phone: 972-480-8800
Email: liz.schumacher@hittgaines.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
Correspondent Name: Hitt Gaines, P.C.
Address Line 1: P.O. Box 832570
Address Line 4: Richardson, TEXAS 75083

ATTORNEY DOCKET NUMBER:	LUCENT TO TYCO ASSIGNMENT
NAME OF SUBMITTER:	David H. Hitt

Total Attachments: 24
source=Lucent_Tyco_Patent_Assignment_2000#page1.tif
source=Lucent_Tyco_Patent_Assignment_2000#page2.tif
source=Lucent_Tyco_Patent_Assignment_2000#page3.tif
source=Lucent_Tyco_Patent_Assignment_2000#page4.tif

source=Lucent_Tyco_Patent_Assignment_2000#page5.tif
source=Lucent_Tyco_Patent_Assignment_2000#page6.tif
source=Lucent_Tyco_Patent_Assignment_2000#page7.tif
source=Lucent_Tyco_Patent_Assignment_2000#page8.tif
source=Lucent_Tyco_Patent_Assignment_2000#page9.tif
source=Lucent_Tyco_Patent_Assignment_2000#page10.tif
source=Lucent_Tyco_Patent_Assignment_2000#page11.tif
source=Lucent_Tyco_Patent_Assignment_2000#page12.tif
source=Lucent_Tyco_Patent_Assignment_2000#page13.tif
source=Lucent_Tyco_Patent_Assignment_2000#page14.tif
source=Lucent_Tyco_Patent_Assignment_2000#page15.tif
source=Lucent_Tyco_Patent_Assignment_2000#page16.tif
source=Lucent_Tyco_Patent_Assignment_2000#page17.tif
source=Lucent_Tyco_Patent_Assignment_2000#page18.tif
source=Lucent_Tyco_Patent_Assignment_2000#page19.tif
source=Lucent_Tyco_Patent_Assignment_2000#page20.tif
source=Lucent_Tyco_Patent_Assignment_2000#page21.tif
source=Lucent_Tyco_Patent_Assignment_2000#page22.tif
source=Lucent_Tyco_Patent_Assignment_2000#page23.tif
source=Lucent_Tyco_Patent_Assignment_2000#page24.tif

PATENT ASSIGNMENT

by and between

LUCENT TECHNOLOGIES INC.

and

TYCO ELECTRONICS LOGISTICS A.G.

Effective as of December 29, 2000

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of December 29, 2000 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR"), and Tyco Electronics Logistics A.G., a company organized under the laws of Switzerland, having an office at Steinach, St. Gallen Switzerland ("ASSIGNEE").

RECITALS

A. WHEREAS, Lucent Technologies Inc. has sold certain assets with respect to Lucent's Power Systems business to Tyco Group S.a.r.l., an Affiliate of ASSIGNEE;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendix A (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing sale of assets, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in ASSIGNEE;

NOW, THEREFORE, in consideration of the promises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to the existing rights and licenses of third parties and ASSIGNOR (pursuant to the Intellectual Property Agreement between ASSIGNOR and ASSIGNEE entered into as a consequence of the aforementioned business sale), does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to ASSIGNEE, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver.

ASSIGNOR agrees that, upon request it will, at any time without charge to ASSIGNEE but at ASSIGNEE's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in ASSIGNEE, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in ASSIGNEE, its successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives on the respective dates entered below.

LUCENT TECHNOLOGIES INC.

By: _____
Daniel P. McCurdy
President – Intellectual Property Business

Date: DEC 21 2020

TYCO ELECTRONICS LOGISTICS A.G.

By: _____
Member of Management

Print Name: _____

Date: _____

By: _____
Member of Management

Print Name: _____

Date: _____

THIS AGREEMENT DOES NOT BIND OR OBLIGATE ANY PARTY IN ANY MANNER UNLESS DULY EXECUTED BY AUTHORIZED REPRESENTATIVES OF ALL PARTIES

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives on the respective dates entered below.

LUCENT TECHNOLOGIES INC.

By: _____
Daniel P. McCurdy
President – Intellectual Property Business

Date: _____

TYCO ELECTRONICS LOGISTICS A.G.

By: _____
Member of Management

Print Name: Jürg Frischknecht

Date: Dec 18, 00

By: _____
Member of Management

Print Name: Meinrad Fischer

Date: Dec 18, 2000

THIS AGREEMENT DOES NOT BIND OR OBLIGATE ANY PARTY IN ANY MANNER UNLESS DULY EXECUTED BY AUTHORIZED REPRESENTATIVES OF ALL PARTIES

Amtliche Beglaubigung
Die Echtheit der vorstehenden Unterschrift de
mir persönlich bekannten
Frischknecht Jürg, geb. 3.6.1959, von Heiden AR und
Steinach, Sh. Wolfenbergstr. 44, 9424 Steinach
wird hiermit amtlich beglaubigt.
9323 Steinach, 18.12.2000
Der Gemeinderatsschreiber:
B. Hedenberger

GEMEINDERATSKANZLEI STEINACH

Amtliche Beglaubigung
Die Echtheit der vorstehenden Unterschrift de
mir persönlich bekannten
Fischer Meinrad, geb. 14.1.1958, von Dottikon AG,
Roos und Paul-Str. 46, 9000 St. Gallen
wird hiermit amtlich beglaubigt.
Steinach, 18.12.00
Der Gemeinderatsschreiber:
B. Hedenberger

GEMEINDERATSKANZLEI STEINACH

ACKNOWLEDGMENTS

STATE OF NEW JERSEY)
: ss:
COUNTY OF SOMERSET)

I CERTIFY that on December 21, 2000, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and

b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.

Kyshon J. Rivers
Name
Notary Public
My Commission Expires:
[Notarial Seal]

KYSHON J. RIVERS
Notary Public of New Jersey, USA
Registered in Somerset County
My Commission Expires 12/28/2004

STATE OF NEW JERSEY)
: ss:
COUNTY OF SOMERSET)

I CERTIFY that on _____, 2000, _____ personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as a duly authorized representative of Tyco Electronics Logistics A.G.; and

b.) this Patent Assignment was signed and made by Tyco Electronics Logistics A.G. as its voluntary act and deed by virtue of authority from its Board of Directors.

_____
Name
Notary Public
My Commission Expires:
[Notarial Seal]

APPENDIX A

TRANSFERRED PATENTS

	Patent Number / Application Number/Case Name	Title
1.	4,349,776	DC-to-DC Converters utilizing FET devices
2.	4,355,240	Auxiliary backup regulator control for paralleled converter circuits controlled by a master regulator
3.	4,371,919	Load distribution among parallel DC-DC converters
4.	4,400,624	Uninterruptible power supplies
5.	4,419,723	Regulation of multiple-output DC-DC converters
6.	4,437,148	Peak voltage clamped power supply
7.	4,449,174	High frequency DC-to-DC converter
8.	4,451,773	Rectifier control system for a DC power plant system
9.	4,475,047	Uninterruptible power supplies
10.	4,492,876	Power supply switching arrangement
11.	4,498,128	CURRENT LIMIT CIRCUIT IN SINGLE-ENDED FORWARD CONVERTER UTILIZING CORE RESET TO INITIATE POWER SWITCH CONDUCTION
12.	4,504,898	Start-up transient control for a DC-to-DC converter powered by a current-limited source
13.	4,519,024	TWO-TERMINAL TRANSISTOR RECTIFIER CIRCUIT ARRANGEMENT
14.	4,524,412	Peak current controlled converter with additional current threshold control level to limit current tailout during overload conditions
15	4,558,229	Series ferroresonant regulated rectifier with added capacitor shunting the saturating reactor winding
16.	4,591,963	Technique for reducing line current harmonics at input to power supply acting as nonlinear load
17	4,605,999	Self-oscillating high frequency power converter

18.	4,623,960	Bias power source energized by tertiary winding including hysteresis characteristic for disabling the power switch when a minimum base drive signal can no longer be maintained
19.	4,625,270	RFI suppression technique for switching circuits
20.	4,631,471	Inductor apparatus for application of ferroresonant regulators
21.	4,633,412	OPTION PROTOCOL ARRANGEMENT FOR STORED PROGRAM RECTIFIER CONTROLLER
22.	4,685,041	Resonant rectifier circuit
23.	4,688,160	Single ended forward converter with resonant commutation of magnetizing current
24.	4,704,670	Power supply with regulated output voltage
25.	4,704,671	Switching type voltage regulator with noncontinuous feedback
26.	4,710,697	Off-line series type regulating power supply
27.	4,760,512	Circuit for reducing transistor stress and resetting the transformer core of a power converter
28.	4,763,013	Backup protection switch to prevent reverse power flow in a UPS
29.	4,763,014	Backup protection switch to prevent reverse power flow in a UPS
30.	4,814,962	Zero voltage switching half bridge resonant converter
31.	4,816,821	CLOCKED DIRECT VOLTAGE CONVERTER
32.	4,823,249	High-frequency resonant power converter
33.	4,845,637	FEEDER MONITOR ARRANGEMENT FOR STORED PROGRAM CONTROLLED RECTIFIER PLANT
34	4,849,874	Single mag amp control system for regulating bipolar voltage output of a power converter
35	4,891,746	Method of optimizing the efficiency of a high frequency zero voltage switching resonant power inverter for extended line and load range
36	4,903,181	Power converter having parallel power switching systems coupled by an impedance inversion network
37	4,903,182	Self-oscillating converter with light load stabilizer
38	4,914,559	Power factor improving arrangement
39	4,930,061	Method and network for enhancing power factor of off-line switching circuit
40	5,003,451	Switched damper circuit for dc to dc power converters

41.	5,036,452	Current sharing control with limited output voltage range for paralleled power converters
42.	5,051,880	Mixed mode regulation controller for a resonant power converter
43.	5,055,971	Magnetic component using core clip arrangement operative for facilitating pick and place surface mount
44.	5,115,185	Single conversion power factor correction using septic converter
45.	5,136,175	Current supply circuit arrangement
46.	5,138,543	Output voltage estimating circuit for a power converter having galvanic isolation between input and output circuits
47.	5,146,396	Single stage power factor corrected converter having isolated output
48.	5,146,397	Power supply device with unbalance monitoring circuit
49.	5,172,213	Molded circuit package having heat dissipating post
50.	5,184,280	Power rectifier with flexible stacked sheave bus bar for high current carrying connections
51.	5,213,748	Method of molding a thermoplastic ring onto a leadframe
52.	5,214,370	Battery charger with thermal runaway protection
53.	5,239,744	Method for making multilayer magnetic components
54.	5,258,901	Holdover circuit for AC-to-DC converters
55.	5,268,830	Drive circuit for power switches of a zero-voltage switching power converter
56.	5,274,543	Zero-voltage switching power converter with lossless synchronous rectifier gate drive
57.	5,282,123	Clamped mode DC-DC converter
58.	5,303,138	Low loss synchronous rectifier for application to clamped-mode power converters
59.	5,305,191	Drive circuit for zero-voltage switching power converter with controlled power switch turn-on
60.	5,313,382	Reduced voltage/zero current transition boost power converter
61.	5,327,319	Common mode voltage surge protection circuitry
62.	5,327,333	Push push DC-DC reduced/zero voltage switching converter with off-set tapped secondary winding
63.	5,353,212	Zero-voltage switching power converter with ripple current cancellation
64.	5,363,289	Control apparatus for limiting voltage on a core reset capacitor
65.	5,375,036	Current transfer bus and assembly

66.	5,389,428	Sintered ceramic components and method for making same
67.	5,391,976	Power factor control arrangement for an OLS based on quarter cycle averaged power flow
68.	5,450,029	Circuit for estimating a peak or RMS value of a sinusoidal voltage waveform
69.	5,457,379	High efficiency switch mode regulator
70.	5,457,620	Current estimating circuit for switch mode power supply
71.	5,461,302	Modulated snubber driver for active snubber network
72.	5,481,219	Apparatus and method for generating negative bias for isolated MOSFET gate-drive circuits
73.	5,490,055	Multiloop feedback control apparatus for DC/DC converters with frequency-shaping band pass current control
74.	5,528,482	Low loss synchronous rectifier for application to clamped-mode power converters
75.	5,530,618	Capacitor mounting assembly
76.	5,530,638	Multi-resonant electronic power converter with a wide dynamic range
77.	5,541,828	Multiple output converter with continuous power transfer to an output and with multiple output regulation
78.	5,550,458	Low-loss snubber for a power factor corrected boost converter
79.	5,572,416	Isolated input current sense means for high power factor rectifier
80.	5,574,420	Low profile surface mounted magnetic devices and components therefor
81.	5,588,848	Low inductance surface-mount connectors for interconnecting circuit devices and method for using same
82.	5,590,032	Self-synchronized drive circuit for a synchronous rectifier in a clamped-mode power converter
83	5,615,101	Power converter with high power factor
84.	5,619,791	Method for fabricating highly conductive vias
85	5,623,173	Bus structure for power system
86.	5,625,541	Low loss synchronous rectifier for application to clamped-mode power converters
87.	5,627,455	Boost topology with two outputs for power factor correction application
88	5,635,867	High performance drive structure for MOSFET power switches
89	5,642,276	High frequency surface mount transformer-diode power module
90.	5,646,462	DC voltage bypass power system architecture

91.	5,646,463	Synchronization control for interrelated DC voltage/battery polarity switching circuits
92.	5,646,816	Identification icon indicia for plug-in units of a power distribution system
93.	5,648,896	Inverter device using capacitance for controlling waveform slew during voltage polarity transitions
94.	5,663,876	Circuit and method for achieving zero ripple current in the output of a converter
95.	5,687,070	Power factor control for switched mode rectifiers
96.	5,689,410	Split-boost circuit having imbalance protection circuitry
97.	5,691,891	Current balancing arrangement for paralleled diode arrangements
98.	5,703,471	Battery protection circuitry for limiting charging parameters of a battery plant
99.	5,710,507	Temperature-controlled battery reserve system and method of operation thereof
100.	5,719,754	Integrated power converter and method of operation thereof
101.	5,731,692	System and method for limiting overshoot in a voltage and current control circuit
102.	5,731,966	Snubber circuit for rectifying diodes and method of operation thereof
103.	5,734,564	High-efficiency switching power converter
104.	5,739,711	Regulation circuit for bipolar voltage switching circuits having logic circuitry using a single error amplifier for regulation of both positive and negative voltages
105.	5,740,023	Control system for a modular power supply and method of operation thereof
106.	5,742,491	Power converter adaptively driven
107.	5,750,935	Mounting device for attaching a component through an aperture in a circuit board
108	5,754,413	Reduced voltage stress asymmetrical DC-to-DC converter using first and second transformers having differing turns ratios
109	5,764,037	High efficiency boost topology with two outputs
110	5,777,866	Power factor control for switched mode rectifiers with improved representing of currents in EMI capacitive elements
111	5,779,873	Electroplating of nickel on nickel ferrite devices
112	5,784,269	Three phase high power factor converter using phase selection circuit

113.	5,793,626	High efficiency bimodal power converter and method of operation thereof
114.	5,802,702	Method of making a device including a metallized magnetic substrate
115.	5,804,890	Direct current voltage power backup system
116.	5,821,643	Synchronization control scheme for a plurality of switching circuits, method of operation therefor and battery plant employing the same
117.	5,822,198	Single stage power converter and method of operation thereof
118.	5,822,199	Controller for a power switch and method of operation thereof
119.	5,831,846	Dual mode boost converter and method of operation thereof
120.	5,835,350	Encapsulated, board-mountable power supply and method of manufacture therefor
121.	5,838,552	Asymmetrical power converter and method of operation thereof
122.	5,844,787	Isolated flyback secondary inductor converter
123.	5,844,790	Split-boost converter having damped EMI isolation filter and method of operation thereof
124.	5,847,548	Current-sharing passive snubber for parallel-connected switches and high power boost converter employing the same
125.	5,847,949	Boost converter having multiple outputs and method of operation thereof
126.	5,850,337	Magnetic-free DC/DC converter and method of operation thereof
127.	5,856,919	Quasiresonant boost power converter with bidirectional inductor current
128	5,861,734	Control architecture for interleaved converters
129	5,862,042	Multiple output DC to DC converter
130	5,867,377	System and method for improving the efficiency of reserve battery-powered, partitioned power conversion systems under light load conditions
131	5,870,291	Asymmetrical half-bridge converter having adjustable parasitic resistances to offset output voltage DC bias
132	5,870,299	Method and apparatus for damping ringing in self-driven synchronous rectifiers

133.	5,872,403	Package for a power semiconductor die and power supply employing the same
134.	5,872,705	Low loss synchronous rectifier for application to clamped-mode power converters
135.	5,874,826	Encapsulated modular boost converter and method of manufacture therefor
136.	5,877,611	Simple and efficient switching regulator for fast transient loads such as microprocessors
137.	5,877,945	Asymmetrical half-bridge converter having distributed DC bias method of operation thereof and power supply employing the same
138.	5,877,947	Snubber circuit for a rectifier and method of operation thereof
139.	5,877,951	Circuit for and method of decreasing conducted and radiated electromagnetic interference of a power converter and a full bridge power converter employing the same
140.	5,883,793	Clamp circuit for a power converter and method of operation thereof
141.	5,883,795	Clamp circuit for a power converter and method of operation thereof
142.	5,886,891	Three-phase boost converter having wye-connected input capacitors and method of operation thereof
143.	5,894,214	Dual-output boost converter having enhanced input operating range
144.	5,894,414	Three phase rectifier using three single phase converters and a single DC/DC converter
145.	5,894,415	Fault tolerant power supply including a switching mechanism for controlling the operation of plural voltage converters in response to changing input voltage levels
146.	5,898,581	Active snubber for buck-based converters and method of operation thereof
147.	5,903,448	Four quadrant flyback converter, method of operation thereof and power plant employing the same
148	5,909,108	Current-sharing circuit for parallel-coupled switches and switch-mode power converter employing the same
149.	5,912,549	Current mode controller for continuous conduction mode power factor correction circuit and method of operation thereof
150	5,912,810	Controller for a power switch and method of operation thereof
151	5,912,812	Boost power converter for powering a load from an AC source

152.	5,914,587	Circuit for reducing switching losses of a power converter and method of operation thereof
153.	5,914,588	DC/DC converters having dual, EMI-quiet outputs
154.	5,917,250	Isolation circuit and verification controller for a power supply and power plant employing the same
155.	5,917,312	System and method for voltage positioning a regulator and regulator employing the same
156.	5,920,129	Uninterruptible power supply having solid state transfer switch and method of operation thereof
157.	5,920,475	Circuit and method for controlling a synchronous rectifier converter
158.	5,923,153	Circuit for moderating a peak reverse recovery current of a rectifier and method of operation thereof
159.	5,923,547	Snubber circuit for a power converter and method of operation thereof
160.	5,924,877	Ground connector for rack-mount modules and methods of operation and manufacture therefor
161.	5,926,373	Encapsulated, board-mountable power supply and method of manufacture
162.	5,926,383	Integrated protection circuit for a power converter and method of operation thereof
163.	5,933,336	Three-phase boost converter having multiple L-C branches and method of operation thereof
164.	5,936,853	Power converter having a low-loss clamp and method of operation thereof
165.	5,936,857	Power converter having muluple output voltage capability
166.	5,940,287	Controller for a synchronous rectifier and power converter employing the same
167.	5,943,200	Peak voltage clamping circuit for high frequency boost converter and method of operation thereof
168	5,943,224	Post regulator with energy recovery snubber and power supply employing the same
169.	5,946,203	Switching network and method of reducing input current total harmonic distortion associated with a boost converter and a boost converter employing the switching network or method
170	5,949,658	Efficiency muluple output DC/DC converter
171	5,949,667	Supply device with converters connected in redundant mode

172.	5,949,671	Power supply with re-configurable outputs for different output voltages and method of operation thereof
173.	5,956,243	Three-level boost rectifier with voltage doubling switch
174.	5,956,245	Circuit and method for controlling a synchronous rectifier converter
175.	5,959,842	Surface mount power supply package and method of manufacture thereof
176.	5,969,436	Connect/disconnect circuit for a reserve battery and method of operation thereof
177.	5,969,503	Unified contactor control system for battery plant and method of operation thereof
178.	5,969,938	Modular power supply chassis employing a suspended bus bar assembly
179.	5,969,965	Self-contained converter plant for modular power supply systems
180.	5,977,644	Backup power system having improved cooling airflow and method of operation thereof
181.	5,978,238	Active clamp for buck-based converter and method of operation thereof
182.	5,982,598	Protective circuit for a grounded power plant
183.	5,986,902	Integrated protection circuit, method of providing current-limiting and short-circuit protection and converter employing the same
184.	5,986,904	Self-regulating lossless snubber circuit
185.	5,986,911	Secondary side post regulator and multiple output power supply employing the same
186.	5,991,168	Transient response network, method of diverting energy in a multiple output power converter and a power converter employing the same
187.	5,991,174	Snubber circuit for a rectifier, method of operation thereof and power converter employing the same
188.	5,991,175	Control circuit for an in-rush current control element, and a protection circuit and power supply employing the same
189.	5,992,005	Method of manufacturing a power magnetic device
190.	6,002,241	Dual mode split-boost converter and method of operation thereof
191.	6,002,596	Modular power supply having an input and output module and method of operation thereof
192.	6,002,597	Synchronous rectifier having dynamically adjustable current rating and method of operation thereof

193.	6,005,773	Board-mountable power supply module
194.	6,007,758	Process for forming device comprising metallized magnetic substrates
195.	6,011,703	Self-synchronized gate drive for power converter employing self-driven synchronous rectifier and method of operation thereof
196.	6,023,158	Switch drive controller, method of operation thereof and power converter employing the same
197.	6,025,999	Dual output power supply and method of operation thereof
198.	6,026,000	Single transformer power supply with two separated inputs and multiple outputs
199.	6,026,006	Integrated three-phase power converter and method of operation thereof
200.	6,031,739	Two-stage, three-phase split boost converter with reduced total harmonic distortion
201.	6,034,513	System and method for controlling power factor and power converter employing the same
202.	6,037,755	Switching controller for a buck+30 boost converter and method of operation thereof
203.	6,038,142	Full-bridge isolated Current Fed converter with active clamp
204.	6,038,145	Controller for a power switch and method of operation thereof
205.	6,038,147	Power supply employing circulating capacitor and method of operation thereof
206.	6,038,151	Switching network and method of reducing input current total harmonic distortion for a boost converter
207.	6,038,154	Circuit and method for controlling a synchronous rectifier converter
208	6,043,705	Boost converter having extended holdup time and method of operation
209	6,043,997	Two stage, three-phase boost converter with reduced total harmonic distortion
210	6,046,576	Boost converter having reduced output voltage and method of operation thereof
211	6,046,915	Phase selection circuit for three phase power converter and method of operation thereof
212	6,052,294	Power supply snubber reset circuit
213	6,055,166	Low trickle current startup bias circuit and method of operation thereof

214.	6,055,169	Current mode control circuit for paralleled power supply and method of operation thereof
215.	6,057,027	Method of making peripheral low inductance interconnects with reduced contamination
216.	6,058,026	Multiple output converter having a single transformer winding and independent output regulation
217.	6,060,867	Switch driver for a snubber circuit, method of operation thereof and power converter employing the same
218.	6,061,260	Board mounted power supply having an auxiliary output
219.	6,083,772	Method of mounting power semiconductor die on a substrate
220.	6,094,123	Low profile surface mount chip inductor
221.	D368,068	Plug in power conversion unit housing
222.	D390,572	Faceplate for a chassis
223.	D407,697	Faceplate for a module
224.	D410,912	Faceplate for a module
225.	RE36,571	
226.	120269	ZVS Scheme For Boost-Derived Topologies With No Auxiliary Controllable Switches
227.	118150 09/652887	Improved Operation Of Current-Fed Converters in Switching-Mode Tri-Port Converters
228.	121249 MA Davila 10-24	Asymmetrical Half-Bridge Reverse Recovery Primary Clamping Circuit
229.	122037	High Speed Active Load Transient Test Apparatus
230.	122211 WC Bowman 12-60-40	Power Converter With Current Doubler Rectifier And Controlled Transformer Bias
231.	122212 S Fraidlin 23-10	AC To DC Single Stage Power Factor Correcting Converter
232.	Roessler 23-20	Magnetic Fixture To Hold Core Pieces to PWB
233.	Rozman 31	Multi-Output Secondary Regulator Having A Single Transformer Winding
234.	Fraidlin 16-4 09/627677	Integrated Functions Isolated Rectifier
235.	Brkovic 2Re 09/607501	Simple And Efficient Switching Regulator For Fast Transient Loads Such As Microprocessors
236.	Ayres 6-20-27 09/621884	Blind Mate Transformer Bobbin And Interconnect
237.	Chalasani 16-4-6-27 09/602084	Multiple Battery String Management Circuit and Method
238	Jiang 29-28 09/539690	Voltage-Fed DC/DC Converter With Multi-Level Transformer
239	Jacobs 54-33 ME Jacobs 54-33	Load Sensing For A Board Mountable Power Supply With Self Adjusted Compensation
240	Jiang 30-31 09/540957	Current-Fed DC/DC Converter With Multi-Level Transformer
241	Savino 2-1 09/596163	EMI Bead Assembly For Electrical Component
242	Young 2 09/609044	Method For Determining Open Loop Impedance And Loop Stability
243	Fraidlin 22-3-2-9 09/602416	Rectifier Reverse Recovery Current Snubbing And Voltage Clamping Circuit
244	Stevens 6 09/613404	Open-Frame, Surface-Mount Board Mountable Power Supply

245.	Jacobs 58 09/589970	Observer for Transformer Flux
246.	Heinrich 3-25-7-15-25 09/615304	Magnetic Structure With Improved Thermal Characteristics
247.	Chavez 6 09/657930	High Power Magnetic Device with Integral Heat Pipes
248.	He 18-5 09/374575	Hot-Pluggable Power Component With Pre-Charging Circuit
249.	Petricek 1-12 09/383693	Board Mountable Power Supply Module With Multi-Function Control Pin
250.	Arbetter 1-7 09/454274	Circuit And Method For Generating Estimated Feedback For The Controller Of A Slave Power Module In A Master/Slave Paralleling Scheme
251.	Chen 10-9-30 09/568396	Fault-Tolerant Dual-Input Power Converter
252.	Fraidlin 19-7 09/560477	High-Efficiency, Non-Insolated, Power Factor Correcting Regulator
253.	Chen 9 09/567881	High Efficiency Dual-Input Converter
254.	Farrington 20-55-21-29 09/553824	Asymmetrical Half-Bridge Converter With Reduced Input Ripple
255.	Fraidlin 20-8 09/567372	Active Clamp For Isolated Power Converters
256.	Chalasani 12-2-11-1-1 09/568107	Composite Modular Battery Stand With Spill Containment
257.	Chalasan 13-3-12 09/568020	Stackable Composite Battery Stand
258.	Fraidlin 21-57-37-3 09/543022	Protection Circuit For Active Switches In Clamp-Mode Topologies, And Power Converter Employing The Same
259.	Mao 32 09/553939	Energy Recovery Snubber With Voltage-Sharing Capability
260.	Jacobs 56 09/543369	Resonant Gate Drive For Synchronous Rectifiers
261.	Jacobs 45-23-20	Controller For Power Supply And Method Of Operation Thereof
262.	Barnett 4-7 09/553936	Improved Current Limit Scheme For AC/DC Converters
263.	Chalasani 11 09/567735	VRLA Battery State of Health Assessment Through Coup de Fouet Measurement
264.	Pilukaitis 6-1 09/563977	Control Circuitry For Paralleling Power Supplies Using Droop Regulation
265	He 15-46 6,075,716	Two-Stage, Three-Phase Split Boost Converter
266.	Chalasani 14-25 09/558889	Non-Dissipative Method and Apparatus for Online Assessment of Battery Capacity
267	Suranyi 6-28 09/558939	Momentary Bus Hold-Up Circuit For Distributed Power Architecture
268	Chen 19-9-35-5 09/538334	Board Mountable Power Supply Construction For High Efficiency Modules
269	Mandelcorn 5	Transient Current Suppression Circuitry For Reducing Noise Of Battery Floating Across Input Of Voltage Polarity Switch

270.	Rozman 8	Circuit and Method for Controlling a Synchronous Rectifier Converter
271.	Brooke 3	System And Method For Controlling An Output Current Of A Modular Power System
272.	Gibson 1-2 08/898229	Equipment Module And Cabinet And Methods Of Manufacture Thereof
273.	Mandelcorn 7 08/902290	Transient Current Suppression Circuitry For Reducing Noise Of Battery Floating Across Input Of Voltage Polarity Switch
274.	Chavez 1-3-21-5	Connector Mating Detection Device For Fail-Safe High Power Operation System
275.	Byrne 3-7 6,107,778 08/937845	Line-Replaceable Battery Disconnect Module And Method Of Manufacture Thereof
276.	Fraidlin 10-27-21-11 08/936955	Protection Circuit For Active Switches In Clamp-Mode Topologies, And Power Converter Employing The Same
277.	Pitzele 9-10 08/940557	Power Magnetic Device Employing A Leadless Connection To A Printed Circuit Board And Method Of Manufacture Thereof
278.	Pitzele 10-11 08/940672	Post-Mountable Planar Magnetic Device And Method Of Manufacture Thereof
279.	Q. Chen 4-11 08/969891	System And Method For Attenuating Induced EMI And Power Converters Employing The Same
280.	Ju 1-26 09/016613	Five-Level Switched-Capacitor DAC, Method Of Operation Thereof And Sigma-Delta Converter Employing The Same
281.	A. B. Nguyen 3 09/032383	Rigid, Multiconductor Power Distribution Bus And Modular Equipment Rack Employing The Same
282.	Pi ·ele 12-13 6,:28,817 09/045217	Method of Manufacturing a Power Magnetic Device Mounted on a Printed Circuit Board
283.	Dougherty 1 09/054182	System And Method For Testing Power Supplies
284.	Garcia 4-13 6,091,610 09/056002	System And Method For Reducing Transient Switch Currents In An Asymmetrical Half Bridge Converter
285.	Byrne 4-8 09/069368	Modular Power Supply Chassis Employing A Suspended Bus Bar Assembly
286.	Mandelcorn 9-8 6,081,435 09/072389	Cross-Conduction Limiting Circuit, Method Of Operation Thereof And DC/DC Converter Employing The Same
287.	Catalano 1 09/095466	Current Sense Transformer With Molded-In Winding And Method Of Manufacture Thereof
288	Byrne 8-6-13-22 09/136999	A System And Method For Automatically Providing Fuel To A Fuel Cell In Response To A Power Failure In A Primary Power System
289	Chalasani 2-28-12 6,037,747 08/950642	Mode Selection Circuit For A Battery And Method Of Operation Thereof
290	Mao 19 09/170618	Power Converter With Voltage Dependent Switchable Modes
291.	Jacobs 43-22 6,091,616 09/176690	Drive Compensation Circuit For Synchronous Rectifier And Method Of Operating The Same
292	Jacobs 41-26-18 6,078,509 09/193081	Multiple Output Flyback Converter Having Improved Cross-Regulation And Method Of
293	Mao 21 6,115,275 09/198918	System And Method For Providing Battery Backup Power

294.	He 12-42 6,122,183 09/199289	Two-Stage, Three-Phase Boost Converter And Method Of Reducing Total Harmonic Distortion For The Same
295.	Fasullo 4-13-2-1 6,078,511 09/203444	Temperature Protection Circuit For Power Converter And Method Of Operation Thereof
296.	Bowman 4-1Re 09/244624	Self-Synchronized Drive Circuit For A Synchronous Rectifier In A Clamped-Mode Power Converter
297.	Steeves 5 09/226579	Fuse Bypass Module For Use With A Fuse Panel
298.	Chen 6-3 09/232444 6,134,122	Integrated Voltage And Current Mode Controller For A Power Converter And Method Of Operation Thereof
299.	Chalasani 5-3-7 09/244555	A Battery Container
300.	Chen 5-2 6,130,830 09/247005	System And Method For Paralleling Power Converter Systems And Power Supply Employing The Same
301.	Janicek 1-19-2 09/248963	Apparatus And Method Of Adapting A Rectifier Module To enhance Cooling
302.	Liu 18 6,104,584 09/250938	Voltage Feedback Inrush Current Limit Circuit Having Increased Tolerance For Component Value Variation
303.	Heinrich 2-20-3-10-17 09/288749	Inter-Substrate Conductive Mount For A Circuit Board, Circuit Board And Power Magnetic Device Employing The Same
304.	Heinrich 1-24-2-16 09/288750	Surface Mountable Power Supply Module And Method Of Manufacture Therefor
305.	Chen 8-1 09/288896	Fixed Conductive Pin For Printed Wiring Substrate Electronics Case And Method Of Manufacture Therefor
306.	Chen 9-2 09/289686 6,144,557	Self-Locking Conductive Pin For Printed Wiring Substrate Electronics Case
307.	Fasullo 1-1Re 09/291650	Bus Structure For Power System
308.	Byrne 13-19-5 09/292466	System And Method For Avoiding Voltage Transient Damage In Electrical Equipment
309.	Bullock 4-9 09/292467	Temperature Sensing Device For Permanently Indicating When A Product Is Exposed To Critical Temperatures
310.	Bullock 5-10 09/292468	Temperature Sensing Device For Permanently Indicating When A Product Is Exposed To Critical Temperatures
311.	Brooke 5	System And Method For Controlling An Output Current Of A Modular Power System
312.	Fraidlin 14-1-2 09/305907 6,144,564	Single Stage Power Converter And Method Of Operation Thereof
313.	Mao 24	Rectifier Topology For Current-Fed Converter And Method Of Operation Thereof
314	Jiang 22-15 5,946,203	A Switching Network And Method Of Reducing Input Current Total Harmonic Distortion Associated With A Boost Converter And A Boost Converter Employing The Switching Network Or Method
315	Mao 25 6,115,274 09/324074	Frequency Modulation Controller For Single-Switch, Polyphase, DCM Boost Converter And Method Of Operation Thereof
316	Chalasani 10-22 09/324753	System And Method For Assessing A Capacity Of A Backup Battery And Power Plant Incorporating The Same
317	He 17-48-2 6,094,087 09/335319	Gate Drive Circuit For Isolated Gate Devices And Method Of Operation Thereof

318.	Ballinger 1 09/336940	A Monitoring System For A Power Distribution System And A Method Of Operation Thereof
319.	McDowell 12-20-7 09/338144 6,124,701	System And Method For Determining Battery Condition And Telecommunications Equipment Incorporating The Same
320.	Brkovic 6 09/350840 6,141,231	Board Mountable Power Supply Module With Current Sharing Circuit And A Method Of Current Sharing Between Parallel Power Supplies
321.	Fasullo 6-16-1-4 09/354980	A Detection Circuit For Circuit Protection Devices Of A Power Supply And Method Of Operation Thereof
322.	Chen 10-4 09/360563	An Auxiliary Bias Circuit For A Power Supply And A Method Of Operation Thereof
323.	Boylan 8-47-28 09/374217	System And Method For Determining Output Current And Converter Employing The Same
324.	Fraidlin 13-1 09/383322	Active Clamp For Power Converter And Method Of Operation Thereof
325.	Ayres 5-17-1-24 09/385153	Zero Height Power Unit Shelf System
326.	Davila 9-28-21 09/397991	Asymmetrical DC/DC Converter Having Improved Output Current Doubler And Method Of Operation Thereof
327.	He 19-50 09/401728	Phase-Shifted Post-Regulator, Method Of Operation Thereof And Power Converter Employing The Same
328.	Fraidlin 15-2-3 09/426230	Boost Converter And Method Of Operation Thereof
329.	Nguyen 6 09/430527	Integrated Coupling Device, Method Of Manufacture Therefor And An Electronic Equipment Chassis Employing The Same
330.	Mao 21 6,115,276 09/198918	System And Method For Providing Battery Backup Power
331.	Chalasani 15-52-26 09/465509	Mode Selection Circuit For A Battery And Method Of Operation Thereof
332.	He 22-51 09/469693	Controller For Power Supply And Method Of Operation Thereof
333.	Boylan 11-32 09/472617	Circuit And Method For Controlling A Synchronous Rectifier Converter
334.	Jia 3-3-5 09/473159	A n Electromagnetic Interference Shield, Method Of Manufacture Therefor And A Power Supply Module Employing The Same
335.	Mao 26-23 09/479514	Power Supply Providing Backup AC Voltage And Method Of Operation Thereof
336.	Berthoud 17-4-16 09/481264	Battery Capacity Calculator And Method Of Calculating Battery Capacity
337.	Smith 4 09/494621	Rack Mounting Bracket For Mounting Heavy Unbalanced Equipment
338.	Chen 17-7 09/496121	Encapsulated Power Supply With A High Thermal Conductivity Molded Insert
339.	Liu 23 09/510823	Circuit And Method For Conditioning An Average AC Signal For Use With A Controller Adapted To Receive Peak Input Signals
340	Chen 8-4-17 09/517128	Encapsulated Modular Boost Converter And Method Of Manufacture Therefor
341.	Mao 29 09/522147	Controller For Power Factor Corrector And Method Of Operation Thereof
342.	Nguyen 7-3-7 09/525383	Self-Aligned Panel Mounting Power Cord Set

343.	Chavez 1-1-1-5 09/525390	Cyclical Battery Charger With Incremental And Decremental Current And A Method Of Operation Thereof
344	Ferranti 4-1-2 09/526828	Minimum Width Cord Retaining Clamp
345.	Fraidlin 17-3-1-5-23 09/532607	Apparatus And Method For Improving Thermal Performance Of Printed Wiring Boards
346.	Bowman 6-2Re 09/553746	Power Converter Having Control-Driven Synchronous Rectifier and Adaptive Drive Circuit Therefor
347.	Gargiulo 1-1-3-1 09/395042	Off Line Battery Equalizer With Initial Trickle Charging Circuit
348.	Bell 4-2-1 09/404135	Improved High Voltage Package For Electronic Device
349.	Busletta 2-24-12-21 09/414408	Low Profile Transformer And Method For Making A Low Profile Transformer
350.	Mao 27 09/449047	Power Factor Correcting Electrical Converter Apparatus
351.	Mondul 1-5 09/493553	Apparatus And Method For Establishing An Operating Parameter For A Power Supply Device
352.	Jacobs 53 09/518527	Method And Apparatus For Dynamically Altering O To Improve Conversion Efficiency
353.	Bowman 11-1 09/544827	Method For Predicting Stability Characteristics Of Power Supplies
354.	Chalasani 4	Valve Regulated Lead-Acid Battery Having Reduced Positive Grid Corrosion and Negative Electrode Self-Discharge
355.	Lin 1 6,081,436 09/132955	Multi-Output Power Supply Voltage Sensing
356.	Liu 10 09/160414	Power System Utilizing Improved Power Converter
357.	Chalasani 8-1-8-10 09/267967	Battery Having Recessed Posts And Stand System
358.	Hirsch 4-3-23-7 09/303875 6,137,292	Self-Adjusting Battery Diagnostic Method For Continuously Providing Best Prediction Of Battery Reserve Time
359.	Chalasani 7-21 09/324815 6,137,266	Recharging Circuit And Method For Recharging A Battery Having A Reference Electrode
360.	Hirsch 3-1-6 09/343773	Battery Diagnostic Method Utilizing A Universal Normalized Discharge Curve For Predicting Battery Reserve Time
361.	Rozman 27 6,130,828 09/383343	Multiple Output Converter Having Self-Synchronized Pulse Width Modulation Regulation
362	Watkins 1 09/407396	Fastener Orientation And Dispensing Device
363.	Blair 2 09/408728	Multiple Output Converter Having A Low Power Dissipation Cross Regulation Compensation Circuit
364	Blair 1 6,101,111 09/408718	Output Power Control Circuit For A Flyback Converter
365	Brumley 1-1-22 09/408423	Anvil Assembly For A Press For Assembling A Fastener Into A Workpiece
366	Chavez 5-20-6-22 09/415200	EMI Filter For An Inrush Relay

367.	Chen 12-2 09/418114	Method For Assembling High Power Dissipating Components To A Multi-Layer Insulated Metal Substrate Printed Wiring Board Having Improved Thermal Coupling Of Such Components
368.	Rozman 26 6,104,623 09/425140	Multiple Output Converter Having Secondary Regulator Using Self-Driven Synchronous Rectifiers
369.	Cloud 1-2	Transformer Winding Bobbin
370.	Chalasani 6 09/453116	Flooded Valve Regulated Lead-Acid Battery Having Improved Life
371.	Chalasani 9-1 09/453117	Valve Regulated Lead Acid Battery Having A Reference Electrode
372.	Andres 2 09/469559	Short Circuit And Inrush Current Protection Circuit For A DC-DC Converter
373.	Andres 3-1-4-1 09/469672 6,130,529	Secondary Output Holdover Circuit For A Switch-Mode Power Supply
374.	Roy 26 09/158671	Surface Mount Battery Apparatus and Method
375.	Brkovic 8-34 09/643799	Surface Mount Magnetic Devices with Controlled Nonlinearity
376.	K.E. Wolf 2 121256	Contoured Heatsinks for improved Thermal conduction interface
377.	Lotfi 26-38-3-2 09/628266	Drive Circuit for GaAs Power MESFET
378.	Catalano 2-7-13 09/552811	Surface mount inductor
379.	Roy 25 09/158671	Surface mount thermal connections
380.	Roy 23 09/159733 6,057,027	Method of making peripheral low inductance interconnects with reduced contamination
381.	Roy 30 09/560200	Method for making multilayer substrates with integrated magnetic functionality
382.	Roy 31 09/561515	HeatSink using guided mass transfer
383.	Fletcher 1-32 09/560985	Circuit test platform with low impedance flexible interconnects
384.	Roy 33-11 09/561512	Overmolded package with integrated magnetic device
385.	Books 1-35 09/560756	Moldular component magnetic device
386.	Roy 27 09/561514	Method for leadless die interconnect with substrate cavity
387	Law 4-28 09/560987	Method for leadless die interconnect without substrate cavity
388	Roy 29-1 09/561513	Method of making magnetic devices on substrates using dispensable magnetic material
389	Lotfi 4-13-1-5 5,787,569 08/604637	Encapsulated package for power magnetic devices and method of manufacture therefor
390	Roessler 8-8 08/908887 6,138,344	Methods of manufacturing a magnetic device and tool for manufacturing the same
391	Johnson 2-4 6,106,968 09/036399	Smart valve regulated lead acid battery with embedded electronic monitoring and fluid fill system

392.	Onibudo 1-14-9	Magnetic device having a spiral coil and method of manufacturing the same
393.	Fontana 14-12-2-22-7 09/120647	magnetic devices having single piece ferrite cores and methods of manufacture thereof
394.	Pilukaitis 5-2-1-12 09/184753	Lead-free solder process for printed wiring boards
395.	Fasullo 5-14-3-8 09/207450	Fan operation detection circuit for A DC Fan and method of operation thereof
396.	Byrne 11 09/227655	Fan assembly module
397.	Albrecht 2-1-4 09/244673	Heat sink having standoff buttons and A method of manufacture therefor
398.	Bream 1-1-1-2-14-1-2 09/252741	Heatsink with High thermal conductivity dielectric
399.	Ayres 1-9-17-3 09/259772	Transverse Mountable heat sink for use in an electronic device
400.	Ayres 2-12-18-4 09/327235	Fan mounting faceplate for a chassis and methods of manufacture and assembly therefor
401.	Ayres 3-15-21-7 09/334831	Apparatus and method for improved securement of electrical connectors
402.	Ferranti 2-2-4-2-1-1 09/419174	heat sink with offset fin profile
403.	Werner 3 09/425090	Apparatus and method for improving heatsink component capacity and efficiency
404.	Stevens 5 09/427538	A thermally conductive case for electrical components and method of manufacture therefor
405.	Werner 1 09/298427	Heat sink attachment apparatus and method
406.	Liu 1 09/449048	Heat sink with integral component clip
407.	Ferranti 5-23-4-5-6-3 09/518967	Improved package for an electronic apparatus
408.	Ogle 1 6,105,241 09/121774	Flip fixture for assembling components to heat sink
409.	Roessler 15-8-11 09/158330	Printed wiring board surface mount header
410.	Martin 1-16-9-13 09/378138	Surface mount circuit assembly
411	Chen 11-1 09/418102	Multi-layer insulated metal substrate printed wiring board having improved thermal coupling of components
412.	Dreyfuss 1-18-1-6 09/454218	Method for forming a thermal interface between a printed wiring board surface mounted device and a cold plate
413	6,049,459	Nesting clamps for electrical components
414	6,054,781	A voltage bus filtering scheme for a battery power plant

415.	6,055,164 Q. Chen 7-20	System and method for attenuating induced EMI and power converters employing the same
416.	6,069,798	Asymmetrical power converter and method of operation thereof
417.	6,069,799	Self-synchronized drive circuit for a synchronous rectifier in a clamp-ModePower converter
418.	6,069,807	Compensation circuit, method of operation thereof and converter employing the same