

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FAIRCHILD (TAIWAN) CORPORATION	12/20/2016
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15700579
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SIGNATURE:	/MICHELLE A. SMOJVER/
DATE SIGNED:	09/11/2017
Total Attachments: 32	
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CONFIRMATORY ASSIGNMENT

This Confirmatory Assignment (the “**Assignment**”) is executed, acknowledged and delivered by Semiconductor Components Industries, LLC, a Delaware limited liability company having offices at 5005 E. McDowell Road, Phoenix, Arizona 85008 (“**Assignee**”), in accordance with, and pursuant to the terms and conditions of the Amendment to the Intangible Asset Transfer Agreement having an Effective Date of December 20, 2016 (along with the still valid terms and conditions of the original Intangible Asset Transfer Agreement, herein after referred to as the “**Agreement**”) between Assignee and Fairchild (Taiwan) Corporation (formerly System General Corporation) (“**Assignor**”). Capitalized terms used herein and not expressly defined shall have the meaning ascribed to such terms in the Agreement.

“**Listed Patents**” means the patent applications and issue patents listed on **Schedule A**, or as may be amended.

“**Assigned Patents**” means, all (a) Listed Patents; (b) patents or patent applications (i) to which any of the Listed Patents claims priority, (ii) for which any of the Listed Patents forms a basis for priority and/or (c) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any item in any of the foregoing categories (a) and (b); (d) national (of any country of origin) and multinational patents, patent applications and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention and utility models; (e) rights provided by multinational treaties or conventions for any item in any of the foregoing categories (a) through (d); and (e) any item in any of the foregoing categories (b) through (d) whether or not expressly listed as Listed Patents and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

For good and valuable consideration including the sum of \$10.00 and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor agrees to and does hereby irrevocably sell, assign, transfer and convey unto said Assignee, and Assignee hereby accepts, all of Assignor’s right, title, and interest (i) in and to the Assigned Patents, the same to be held and enjoyed by said Assignee for its own use, and for the use of its successors, assigns, or other legal representatives to the end of the term or terms for which said Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made; (ii) in and to causes of action and enforcement rights for the Assigned Patents including all rights to pursue damages, injunctive relief and other remedies for past and future infringement of the Assigned Patents; and (iii) to apply in any and all countries for the world for patents; certificates of invention or other governmental grants for the Assigned Patents. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

Notwithstanding anything to the contrary herein, Assignor is executing and delivering this Assignment in accordance with and subject to all of the terms and provisions of the Agreement. In the event of any conflict between the terms of this Assignment and those of the Agreement, the terms of the Agreement shall be controlling.

This Assignment shall be binding upon and shall inure to the benefit of the parties and their respective successors and assigns.

This Assignment shall be governed by, and construed in accordance with, the laws of the United States in respect to patent issues and in all other respects by the laws of the State of Arizona, without giving effect to the conflict of laws rules thereof.

This Assignment may be executed in any number of counterparts, each of which shall be deemed an original and all of which together shall constitute one instrument.

Signatures are provided on separate pages.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed as of this 01st
day of December 2016.

ASSIGNOR:

Fairchild (Taiwan) Corporation

By: [Signature]

Name: Moon Kuen Mak

Title: Director

In the presence of: [Signature] (Witness)

Name: Stacy Yoon

Title: Korea Sales manager

ACCEPTANCE OF ASSIGNMENT

The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.

IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance on the date and in the place set forth below.

Date: 21 December 2016

By: _____

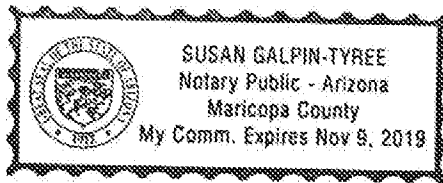
George H. Cave
George H. Cave
Executive Vice President
Semiconductor Components Industries, LLC

STATE OF ARIZONA §

§

COUNTY OF MARICOPA §

On this 21st day of December, 2016, before me a Notary Public in and for said county, personally appeared George H. Cave who executed the foregoing instrument and acknowledged that he signed, sealed and delivered the same instrument as a free and voluntary act for the purposes and considerations therein expressed.



Susan Galpin-Tyree
Notary Public
My Commission Expires 9 Nov 2019

Exhibit A
"Listed Patents"

Patent No.	Country	Title
5,903,452	US	Adaptive Slope Compensator for Current Mode Power Converters
6,135,718	US	Interface Apparatus for Fan Monitor and Control
6,185,082	US	Protection Circuit for a Boost Power Converter
6,418,002	US	Power Supply Supervisor Having a Line Voltage Detector
6,353,405	US	Low Distortion Video Analog to Digital Converter
6,597,159	US	Pulse Width Modulation Controller Having Frequency Modulation for Power Converter
6,545,882	US	PWM Controller Having Off-time Modulation for Power Converter
6,501,666	US	Method and Apparatus for Magnetic Amplifier to Reduce Minimum Load Requirement
6,611,439	US	PWM Controller for Output Power Limit of a Power Supply
6,661,679	US	PWM Controller Having Adaptive Off-time Modulation for Power Saving
6,674,656	US	PWM Controller Having a Saw-limiter for Output Power Limit without Sensing Input Voltage
6,839,247	US	PFC-PWM Controller Having a Power Saving Means
6,900,623	US	Power Supply Having Multi-vector Error Amplifier for Power Factor Correction
6,812,769	US	Switch Charge Multiplier-Divider
RE43,015	US	Capacitive High-side Switch Driver for a Power Converter
RE40,844	US	High-side Transistor Driver for Power Converters
7,057,440	US	Multiplier-Divider Circuit for a PFC Controller
6,903,536	US	PFC-PWM Controller Having an Interleaved Switching
6,967,851	US	An Apparatus for Reducing the Power Consumption of a PFC-PWM Power Converter
7,054,170	US	Power-mode Controlled Power Converter
7,091,710	US	Low Dropout Voltage Regulator Providing Adaptive Compensation
7,088,598	US	Power-mode Control Circuitry for Power Converters
6,952,354	US	Single Stage PFC Power Converter
7,061,776	US	Half-bridge Flyback Power Converter
7,026,851	US	PWM Controller Having Frequency Jitter for Power Supply
6,995,991	US	PWM Controller for Synchronous Rectifier of Flyback Power Converter
7,061,225	US	Apparatus and Method Thereof for Measuring Output Current from Primary Side of Power Converter
6,977,824	US	Control Circuit for Controlling Output Current at the Primary Side of a Power Converter
7,016,204	US	Close-loop PWM Controller for Primary-side Controlled Power Converters
7,184,283	US	Switching Frequency Jitter Having Output Ripple Cancel for Power Supplies
7,362,592	US	Switching Control Circuit for Primary-side-controlled Power Converters
7,061,780	US	Switching Control Circuit with Variable Switching Frequency for Primary-side-controlled Power Converters
7259972	US	Primary-side-control Power Converter Having a Switching Controller Using Frequency Hopping and Voltage and Current Control Loops
7,203,079	US	Switching Controller Having Frequency Hopping for Power Supplies
7,391,628	US	Switching Controller Having Frequency Hopping for Power Supplies and Method Thereof
7,486,493	US	Over-Power Protection Circuit for Power Converter
7,133,300	US	Over-voltage Protection Circuit for Power Converter

Patent No.	Country	Title
7,235,957	US	Power Supply with Current-sharing Control and Current-sharing Method Thereof
7,362,593	US	Switching Control Circuit Having Off-time Modulation to Improve Efficiency of Primary-side Controlled Power Supply
7,151,681	US	Multiple-sampling Circuit for Measuring Reflected Voltage and Discharge Time of a Transformer
7,116,565	US	Over-power Protection Apparatus for Self-Excited Power Converter
7,218,080	US	Soft-Start Apparatus for Power Supplies
7,257,008	US	Start-up Apparatus for Power Converters
7,274,251	US	Apparatus and Method of Current Sharing
7,368,895	US	Apparatus for a Power Supply with Brownout Protection and Protecting Method for the Same
7,498,788	US	Switching Regulator Having Energy Saving Circuit
7,426,120	US	Switching Control Circuit Having a Valley Voltage Detector to Achieve Soft Switching for Resonant Power Converters
7,466,569	US	Power Converter Having Phase Lock Circuit for Quasi-resonant Soft Switching
7,149,098	US	Over-Power Protection Apparatus with Programmable Over-current Threshold
7,256,675	US	Energy Transfer Apparatus for Reducing Conductivity Electromagnetic Interference and Manufacturing Method Thereof
7,489,532	US	Apparatus and Method for a Power Converter with Feed-forward Voltage Compensation to Enable a PFC Circuit
7,482,788	US	Buck Converter for both Full Load and Light Load Operations
7,236,376	US	Controller for regulating output current at the primary side of a power supply
7,259,525	US	High Efficiency Switching LED Driver
7,616,454	US	Control Circuit Having Programmable Waveform for Output Power Limit of Power Converter
7,460,380	US	Highly Efficient Switching Power Converter Using a Charge Pump to Power the Drive Circuit
7,414,865	US	Controller Having Output Current Control for a Power Converter
7,492,613	US	Control Circuit of Power Converter Having Adaptive Bias for Detecting Reflected Voltage of Transformer
7,173,835	US	Control Circuit Associated with Saturable Inductor Operated as Synchronous Rectifier for Forward Power Converter
7,489,529	US	Control Circuit Having Frequency Modulation to Reduce EMI of Power Converters
7,577,002	US	Control Circuit Including a Frequency Hopping to Reduce EMI of Power Supplies
7,564,903	US	Method and Apparatus for Measuring Reflected Voltage of Transformer
7,286,376	US	Soft-switching Power Converter Having Power Saving Circuit for Light Load Operations
7,116,090	US	Switching Control Circuit for Discontinuous Mode PFC Converters
7,352,595	US	Primary-side Controlled Switching Regulator
7,561,447	US	Primary-side Controlled Switching Regulator
7,245,089	US	Switching LED Driver
7,245,090	US	Switching LED Driver with Temperature Compensation to Program LED Current
7,286,123	US	LED Drive Circuit Having Temperature Compensation
7,995,358	US	Control Circuit Including Adaptive Bias for Transformer Voltage Detection of a Power Converter
7,554,367	US	Driving Circuit

Patent No.	Country	Title
7,218,060	US	Flyback Ballast for Fluorescent Lamp
7,365,997	US	Synchronous Switching Control Circuit for Power Converters
7,310,244	US	Primary Side Controlled Switching Regulator
7,310,251	US	Control Circuit having Two-level under Voltage Lockout to Improve the Protection of Power Supply
7,511,466	US	Method and Apparatus for Predicting Discharge Time of Magnetic Device for Power Converter
7,570,038	US	Control Circuit to Reduce Reverse Current of Synchronous Rectifier
7,615,976	US	Switching Circuit of Power Converter Having Voltage-Clipping Device to Improve Efficiency
7,859,234	US	Switch Circuit to Control On/Off of High Voltage Source
8,044,685	US	Floating Driving Circuit
7,724,034	US	Floating Driving Circuit
7,592,790	US	Start-up Circuit with Feedforward Compensation for Power Converters
7,368,878	US	Current Mode Resonant Ballast
7,671,486	US	Switching Controller Having Synchronous Input for the Synchronization of Power Converters
7,764,098	US	Start-up Circuit of Power Converter
7,671,578	US	Detection Circuit for Sensing the Input Voltage of Transformer
8,415,928	US	Power Circuit
7,573,251	US	AC-to-DC Voltage Regulator
7,701,734	US	Detection Circuit to Detect Input Voltage of Transformer and Detecting Method for the Same
7,602,160	US	Method and Apparatus Providing Protection for Power Converter
7,847,533	US	Apparatus Providing Protection for Power Converter
7,755,296	US	A Resonant Inverter
7,471,523	US	Method and Apparatus for Detecting Demagnetizing Time of Magnetic Device
7,592,793	US	Voltage Regulator Providing Power from AC Power Source
7,486,528	US	Linear-predict Sampling for Measuring Demagnetized Voltage of Transformer
7,440,298	US	Synchronous Rectification Circuit for Power Converters
7,564,705	US	Synchronous Rectification Circuit for Power Converters
7,349,229	US	Causal Sampling Circuit for Measuring Reflected Voltage and Demagnetizing Time of Transformer
7,778,051	US	Output Current Control Circuit for Power Converter with a Changeable Switching Frequency
8,179,700	US	Switching Control Circuit with Adaptive Minimum On Time for Power Converters
8,154,153	US	Method and Apparatus for Providing Communication Channel through Output Cable of Power Supply
7,531,996	US	Low Dropout Regulator with Wide Input Voltage Range
7,471,121	US	Transistor Driver Circuit of Power Converter Operating in a Wide Voltage Range
7,313,004	US	Switching Controller for Resonant Power Converter
7,622,827	US	Switching Controller for Parallel Power Supply
7,633,183	US	Method and Apparatus for Sharing Power of Parallel Power Supplies
7,760,478	US	Method and Apparatus Providing Short Circuit Protection for Current Sense Terminal of Power Converter
7,800,927	US	Method and Apparatus for Providing Compensations of Current Mode Power Converters
8,089,791	US	Compensation Circuit and Compensation Method for Current Mode Power Converters

Patent No.	Country	Title
7,656,685	US	Method and Apparatus for Detecting Input Voltage of Power Converter
7,616,461	US	Control Method and Circuit with Indirect Input Voltage Detection by Switching Current Slope Detection
RE42,674	US	Control Method and Circuit with Indirect Input Voltage Detection By Switching Current Slope Detection
8,279,638	US	Output Regulation Circuit of a Power Converter without Current Sensing Loss and Method Thereof
7,710,095	US	Power Converter Having PWM Controller for Maximum Output Power Compensation
7,643,313	US	Power Converter for Compensating a Maximum Output Power and PWM Controller for the Same
8,031,492	US	PWM Controller for Compensating a Maximum Output Power of a Power Converter
7,652,463	US	PWM Controller Having a Frequency Modulation for Maximum Output Power Compensation
7,835,162	US	Power Converter for Compensating a Maximum Output Power
7,940,035	US	Control Circuit Having an Impedance Modulation Controlling Power Converter for Power Saving
7,855,899	US	Controller with Loop Impedance Modulation and Soft-start for Power Converter
7,936,087	US	Switching Controller for Parallel Power Converters
7,570,087	US	Switching Drive Circuit for Soft Switching
8729828	US	Integrated circuit controller for ballast
7,518,416	US	Method and Apparatus for Detecting Switching Current of Magnetic Device Operated at Continuous Current Mode
7701733	US	Method and Apparatus to Provide Synchronous Rectifying Circuit for Offline Power Converters
7787264	US	Apparatus to Provide Synchronous Rectifying Circuit for Flyback Power Converters
7,974,108	US	Synchronous Rectifying Circuit for Offline Power Converter
7701736	US	Synchronous Rectifying Circuit for Resonant Power Converters
7,663,352	US	Control Circuit for Measuring and Regulating Output Current of CCM Power Converter
7,885,084	US	Control Circuit for Synchronous Rectifying and Soft Switching of Power Converters
7,660,136	US	Method and Apparatus for Synchronous Rectifying of Soft Switching Power Converters
7,626,372	US	Control Circuit for Multi-phases, Multi-channels PFC converter with Variable Switching Frequency
8,072,787	US	Synchronous Rectifying for Soft Switching Power Converters
7,616,457	US	Synchronous Regulation Circuit
7,903,440	US	Synchronous Regulation Circuit and Method for Providing Synchronous Regulation for Power Converters
7,796,407	US	Method and Apparatus of Providing Synchronous Regulation Circuit for Offline Power Converter
7,764,516	US	Method and Apparatus of Providing Synchronous Regulation Circuit for Offline Power Converter
7,800,923	US	Offline Synchronous Switching Regulator
7,550,933	US	Offline Control Circuit of LED Driver to Control the Maximum Voltage and the Maximum Current of LEDs
7,812,552	US	Controller of LED Lighting to Control the Maximum Voltage of LEDs and the Maximum Voltage across Current Sources
8,004,862	US	Offline Synchronous Rectifying Circuit with Current Transformer for Soft Switching Power Converters
8,045,351	US	Method and Apparatus of Providing a Biased Current Limit for Limiting Maximum Output Power of Power Converters
8576595	US	Method and Apparatus of Providing a Biased Current Limit for Limiting Maximum Output Power of Power Converters

Patent No.	Country	Title
8503144	US	Using HV JFET to Achieve Brown-out Protection & Current Limit hi/lo Line Compensation
7,911,813	US	Offline Synchronous Rectifying Circuit with Sense Transistor for Resonant Switching Power Converters
8,054,656	US	Switching Control Circuit for a Switching Power Converter
9,093,993	US	Power Saving Circuit for PWM Circuit
8,030,992	US	Low-Pass Filter
8,094,468	US	Control Circuit Having Off-time Modulation to Operate Power Converter at Quasi Resonance and in Continuous Current Mode
8,023,289	US	Offline Synchronous Rectifier with Causal Circuit for Resonant Switching Power Converter
7,965,528	US	Method and Apparatus for Measuring the Switching Current of Power Converter Operated at Continuous Current Mode
7,999,527	US	Switching Controller Having Programmable Feedback Circuit for Power Converters
8085021	US	PFC Converter Having Two-level Output Voltage without Voltage Undershooting
7,903,435	US	Switching Controller Having Switching Frequency Hopping for Power Converter
8,482,391	US	Wall Control Interface with Phase Modulation and Detection for Power Management
8,154,888	US	Offline Synchronous Rectifier with Turn-On Arbiter and Phase-Lock for Switching Power Converters
9,148,060	US	Switching Controller with Burst Mode Management Circuit to Reduce Power Loss and Acoustic Noise of Power Converter
7,881,076	US	Buck-Boost PFC Converter
7,944,721	US	Switching Control Circuit for Multi-channels and Multi-phases Power Converter Operated at Continuous Current Mode
7,983,061	US	Switching Controller Capable of Reducing Acoustic Noise for Power Converters
8,199,541	US	High Efficiency Bridgeless PFC Power Converter
8710813	US	Low Drop-out Regulator Providing Constant Current and Maximum Voltage Limit
7,928,758	US	Transistor Gate Driving Circuit with Power Saving for Power Converters
8,049,448	US	Control Circuit with Dual Programmable Feedback Loops for BLDC Motors
8,102,133	US	Control Circuit for BLDC Motors
8,179,250	US	Power Management Interface
8605462	US	Switching Circuit for Primary-side Regulated Resonant Power Converters
7,990,739	US	Asymmetrical Resonant Power Converter
8331114	US	Flyback Power Converters
8649191	US	Synchronous Rectifier having Phase Lock Circuit Coupled to Feedback Loop for Resonant Power Converters
8559196	US	Output Voltage Control Circuit of Power Converter for Light-Load Power Saving
8451632	US	Dual-Switches Flyback Power Converter with Self-Excited Supply to power the High-Side Driver
8461915	US	Start-up Circuit to Discharge EMI Filter for Power Saving of Power Supplies
8373399	US	Control Circuit of Interleaved PFC Power Converter
8358518	US	Switching Regulator Having Terminal for Feedback Signal Inputting and Peak Switching Current Programming
8351227	US	Switching Controller for Power Converters

Patent No.	Country	Title
8,242,754	US	Resonant Power Converter with Half Bridge and Full Bridge Operations and Method for Control Thereof
8,134,302	US	An Offline LED Drive Circuit with Dimming Control
8,269,432	US	Offline LED Lighting Circuit with Dimming Control
8,331,070	US	A Power Supply with Open-loop Protection
8,513,895	US	High Efficiency LED Driver with Current Source Regulations
8,767,419	US	Feedback Circuit with Feedback Impedance Modulation for Improving Power Saving
8,854,840	US	Method and Apparatus to Improve Dynamic Response of the Synchronous Rectifying for Resonant Power Converters
8,742,677	US	LED Drive Circuit with a Programmable Input for LED Lighting
8,164,928	US	Method and Apparatus of Operating a Primary-side-regulation Power Converter at Both Continuous Current Mode and Discontinuous Current Mode
8,854,841	US	High Speed Reflected Signal Detection for Primary-side Controlled Power Converters
8,482,937	US	Switching Control Circuit with Valley Lock for Power Converters
8,542,507	US	Adaptive Synchronous Rectification Control Method and Apparatus
8,665,621	US	Power Supply with Open-Loop Protection and Short-Circuit Protection
8,767,417	US	Dual Switches Flyback Power Converter with Wide Input Voltage Range
8,698,474	US	A Start-Up Circuit with Low Standby Power Loss for Power Converters
8,625,313	US	High-side Synchronous Rectifier Circuits and control circuits for Power Converters
8,649,129	US	Method and Apparatus of Providing Over-temperature Protection for Power Converters
8,593,833	US	Method and Apparatus for a Flyback Power Converter Providing Output Voltage and Current Regulation without Input Capacitor
8,482,268	US	A Correction Circuit of a Switching-Current Sample for Power Converters in Both CCM and DCM Operation
8,587,964	US	Control Circuit with Burst Mode and Extended Valley Switching for Quasi-Resonant Power Converter
8,488,338	US	Controller with Valley Switching and Limited Maximum Frequency for Quasi-resonant Power Converters
8,432,109	US	Method and Apparatus for an Offline LED Driver with High Power Factor
8,471,626	US	Start-up Circuit to Discharge EMI Filter of Power Supplies
8,780,515	US	Control Circuit with Protection Circuit for Power Supply
8,669,728	US	Angle Detection Apparatus and Method for Rotor of Motor
8,670,248	US	A Primary-side Controlled Power Converter with an RC Network and Method Thereof
8,711,583	US	Single-Stage PFC Converter with Constant Voltage and Constant Current
9,306,459	US	Control Circuit for Burst Switching of Power Converter and Method Thereof
9,142,952	US	Multi-Function Terminal of Power Supply Controller for Feedback Signal Input and Over-Temperature Protection
8,866,512	US	A Feedback Terminal of Power Converter Having Programming Function for Parameter Setting
8,664,998	US	An Adaptive Filter for Sampling the Reflected Voltage of Transformer of a Power Converter
8,730,687	US	Switching Controller with Valley-Lock Switching and Limited Maximum Frequency for Quasi-Resonant Power Converters
8,643,297	US	Control Circuit and Control Method for Dimming LED Lighting Circuit

Patent No.	Country	Title
8531210	US	Monolithic High-Side Switch Control Circuit
8749999	US	Controller and Power Converter Using the Same for Clamping Maximum Switching Current of Power Converter
7,850,217	US	Equidistance Pick-and-Place Device for ICs
7,888,835	US	Rotating Shaft and Motor Rotor Having the Same
7,723,887	US	Motor Rotor
D595,740	US	Rotor End Cover
D590,339	US	Controller with DC Brushless Motor
8587172	US	Method of Fastening Detector and Fastening Bracket Used Therewith
8508091	US	End Cover and Motor Rotor Having the END Cover
8,050,057	US	Mounting Structure for an Electronic Element
7,169,661	US	Process of Fabricating High Resistance CMOS Resistor
6,995,428	US	High Voltage LDMOS Transistor Having an Isolated Structure
7,205,201	US	CMOS Compatible Process with Different-voltage Devices
7,858,466	US	Different-Voltage Device Manufactured by a CMOS Compatible Process and High-Voltage Device Used in the Different-Voltage Device
7,102,194	US	High Voltage and Low On-resistance LDMOS Transistor Having Radiation Structure and Isolated Effect
7,285,837	US	Electrostatic Discharge Device Integrated with Pad
7,042,028	US	Electrostatic Discharge Device
7,417,287	US	Electrostatic Discharge Device Having Controllable Trigger Voltage
7,355,250	US	Electrostatic Discharge Device with Controllable Holding Current
7,615,826	US	Electrostatic Discharge Protection Semiconductor Structure
7,847,365	US	MOSFET with Isolation Structure for Monolithic Integration and Fabrication Method Thereof
7,923,787	US	MOSFET with Isolation Structure and Fabrication Method Thereof
7,829,928	US	Semiconductor Structure of a High Side Driver and Method for Manufacturing the Same
7,759,769	US	Semiconductor Structure of a High Side Driver and Method for Manufacturing the Same
7,589,393	US	Semiconductor Structure of a High Side Driver for Two High Voltage Nodes with Partially Linked Deep Wells and Method for Manufacturing the Same
8,124,466	US	Process for Manufacturing Voltage-controlled Transistor
7,911,031	US	Voltage-controlled Semiconductor Structure, Resistor, and Manufacturing Processes Thereof
8,125,008	US	Schottky Device and Process of Making the Same
7,655,990	US	Voltage-Clipping Device with High Breakdown Voltage
7732890	US	Integrated Circuit with High Voltage Junction Structure
8568349	US	Integrated Circuit for a High-side Transistor Driver
7,834,400	US	Semiconductor structure for protecting an internal integrated circuit and method for manufacturing the same
8492801	US	Semiconductor Structure with High Breakdown Voltage and Resistance and Method for Manufacturing the Same
7,888,704	US	Semiconductor Device for Electrostatic Discharge Protection

Patent No.	Country	Title
9,184,097	US	Semiconductor Devices and Formation Methods Thereof
8492849	US	Semiconductor Structure for High-side Drivers
8373253	US	ESD Semiconductor Structure
8354698	US	Semiconductor Device
8816753	US	Trim Circuit for Power Supply Controller
8649194	US	Electro-Magnetic Interference Reduction Circuit for Power Converters and Method Thereof
8,654,546	US	Method and Apparatus for Controlling Resonant Power Converter
9,007,786	US	Switching Controller for Flyback Power Converters without Input Capacitor
9,337,737	US	Control Circuit with Fast Dynamic Response for Power Converters
9,306,464	US	Synchronous Rectifier Control Circuits of Power Converters
9,219,432	US	Control Systems and Methods for Angle Estimation of Permanent Magnet Motors
8,934,266	US	ADAPTIVE SLOPE COMPENSATION PROGRAMMABLE BY INPUT VOLTAGE OF POWER CONVERTER
9,270,184	US	Control Circuit and Terminal for Cable Compensation and Wake-up of Primary-side Regulated Power Converter
8,902,999	US	Isolation Interface Circuit for Power Management
9,077,258	US	Regulation Circuit Associated with Synchronous Rectifier Providing Cable Compensation for the Power Converter and Method Thereof
9,344,002	US	Adaptive Sampling Circuit for Detecting the Demagnetized Voltage of the Transformer
9,337,713	US	Sampling Circuit for Measuring the Reflected Voltage of Transformer for Power Converter
9,159,450	US	Sampling Circuit for Measuring Reflected Voltage of Transformer for Power Converter Operated in DCM and CCM
9,252,674	US	Transistor Gate Driver with Charge Pump Circuit for Offline Power Converters
8,884,684	US	Charge Pump Circuit having Frequency Synchronization with Switching Frequency of Power Converters
9,184,665	US	Control Circuit of Power Converter with Temperature Control and Method for Controlling Power Converter
9,343,982	US	A Primary-Side Controlled Programmable Power Converter
9,280,192	US	Programmable Power Supply
9,218,737	US	Receiving Control Circuit for a Wall Control Interface with Phase Modulation and Detection for Power Management
9379622	US	Control Circuit and Method for Controlling Power Converter
8525554	US	High-Side Signal Sensing Circuit
9,407,141	US	Control Circuit of Power Converter and Method Therefore
9,236,806	US	Method and Apparatus for Controlling Programmable Power Converter with Low Standby Power Loss
9,252,676	US	Adaptive Active Clamp of Flyback Power Converter with High Efficiency for Heavy Load and Light Load
9,276,483	US	Control Circuit for Active-Clamp Flyback Power Converter with Programmable Switching Period
9337736	US	CONTROLLER WITH POWER SAVING FOR POWER CONVERTERS AND METHOD FOR THE SAME
9,093,918	US	Control Circuit for Offline Power Converter without Input Capacitor

Patent No.	Country	Title
8,760,099	US	Sensorless Motor Apparatus, Back EMF Detector and Detection Method Thereof
9,300,199	US	Under-Voltage Protection Circuit for Programmable Power Supplies
8659916	US	Control Circuit with ZVS-lock and Asymmetrical PWM for Resonant Power Converter
8729930	US	Successive Approximation Multiplier-Divider for Signal Process and Method for Signal Process
9,049,764	US	LED Drive Circuit with a Programmable Input for LED Lighting
9,379,616	US	Control circuit with deep burst mode for power converter
8908396	US	Control Circuit for Controlling the Maximum Output Current of Power Converter
9,141,118	US	Switching Current Synthesis Circuit for Power Converter
1112077	Taiwan	Adaptive Slope Compensator for Current Mode Power Converters
1149712	Taiwan	Low Distortion Video Analog to Digital Converter
1200258	Taiwan	Pulse Width Modulation Controller Having Frequency Modulation for Power Converter
1200257	Taiwan	PWM Controller Having Off-time Modulation for Power Converter
1277854	Taiwan	PWM Controller for Output Power Limit of a Power Supply
1288313	Taiwan	PWM Controller Having a Saw-limiter for Output Power Limit without Sensing Input Voltage
1277852	Taiwan	Control Circuit for Controlling Output Current at the Primary Side of a Power Converter
1251976	Taiwan	Switching Control Circuit for Primary-side-controlled Power Converters
1251979	Taiwan	Switching Control Circuit with Variable Switching Frequency for Primary-side-controlled Power Converters
1283956	Taiwan	Switching Controller Having Frequency Hopping for Power Supplies and Method Thereof
1269508	Taiwan	Over-Power Protection Circuit for Power Converter
1283804	Taiwan	Over-voltage Protection Circuit for Power Converter
1277860	Taiwan	Power Supply with Current-sharing Control and Current-sharing Method Thereof
1251978	Taiwan	Switching Control Circuit Having Off-time Modulation to Improve Efficiency of Primary-side Controlled Power Supply
1255093	Taiwan	Multiple-sampling Circuit for Measuring Reflected Voltage and Discharge Time of a Transformer
1282049	Taiwan	Over-power Protection Apparatus for Self-Excited Power Converter
1301691	Taiwan	Soft-Start Apparatus for Power Supplies
1347086	Taiwan	Soft-Start Apparatus for Power Supplies
1311396	Taiwan	Start-up Apparatus for Power Converters
1282048	Taiwan	Voltage-regulator and Power Supply Having Current Sharing Control
1281104	Taiwan	Apparatus and Method of Current Sharing
1283808	Taiwan	Apparatus for a Power Supply with Brownout Protection and Protecting Method for the Same
1323396	Taiwan	Switching Regulator Having Energy Saving Circuit
1277741	Taiwan	Switching Control Circuit Having a Valley Voltage Decider to Achieve Soft Switching for Resonant Power Converters
1281316	Taiwan	Power Converter Having Phase Lock Circuit for Quasi-resonant Soft Switching
1274977	Taiwan	Control Circuit for Proportional Driving Switching Power Supply
1328149	Taiwan	Apparatus and Method for a Power Converter with Feed-forward Voltage Compensation to Enable a PFC Circuit

Patent No.	Country	Title
1291801	Taiwan	Buck Converter for both Full Load and Light Load Operations
1308816	Taiwan	Controller for regulating output current at the primary side of a power supply
1308034	Taiwan	High Efficiency Switching LED Driver
1306325	Taiwan	Control Circuit Having Programmable Waveform for Output Power Limit of Power Converter
1320258	Taiwan	Highly Efficient Switching Power Converter Using a Charge Pump to Power the Drive Circuit
1304288	Taiwan	High-side Transistor Driver Having Positive Feedback for Improving Speed and Power Saving
1377774	Taiwan	Controller Having Output Current Control for a Power Converter
1313097	Taiwan	Control Circuit of Power Converter Having Adaptive Bias for Detecting Reflected Voltage of Transformer
1306328	Taiwan	Control Circuit Associated with Saturable Inductor Operated as Synchronous Rectifier for Forward Power Converter
1352487	Taiwan	Control Circuit Having Frequency Modulation to Reduce EMI of Power Converters
1312923	Taiwan	Control Circuit Including a Frequency Hopping to Reduce EMI of Power Supplies
1299404	Taiwan	Method and Apparatus for Measuring Reflected Voltage of Transformer
1313098	Taiwan	Soft-switching Power Converter Having Power Saving Circuit for Light Load Operations
1283805	Taiwan	Switching Control Circuit for Discontinuous Mode PFC Converters
1320260	Taiwan	Primary-side Controlled Switching Regulator
1318761	Taiwan	Switching LED Driver with Temperature Compensation to Program LED Current
1274315	Taiwan	LED Drive Circuit Having Temperature Compensation
1347069	Taiwan	Control Circuit Including Adaptive Bias for Transformer Voltage Detection of a Power Converter
1335710	Taiwan	Driving Circuit
1332608	Taiwan	Switching Power Converter with Transformer Arrangement
1378631	Taiwan	Flyback Power Converter with Split Primary Winding Transformer
1318850	Taiwan	Flyback Ballast for Fluorescent Lamp
1315599	Taiwan	Synchronous Switching Control Circuit for Power Converters
1313096	Taiwan	Primary Side Controlled Switching Regulator
1317199	Taiwan	Control Circuit having Two-level under Voltage Lockout to Improve the Protection of Power Supply
1315812	Taiwan	Method and Apparatus for Predicting Discharge Time of Magnetic Device for Power Converter
1329408	Taiwan	Control Circuit to Reduce Reverse Current of Synchronous Rectifier
1313095	Taiwan	Switching Circuit of Power Converter Having Voltage-Clipping Device to Improve Efficiency
1326961	Taiwan	Switch Circuit to Control On/Off of High Voltage Source
1316322	Taiwan	High Voltage Start-up Circuit for Power Converters
1418146	Taiwan	Floating Driving Circuit
1324430	Taiwan	Start-up Circuit with Feedforward Compensation for Power Converters
1344319	Taiwan	Current Mode Resonant Ballast
1347802	Taiwan	Resonant Ballast Circuit
1347800	Taiwan	High Efficiency Resonant Ballast
1339931	Taiwan	Switching Controller Having Synchronous Input for the Synchronization of Power Converters
1351808	Taiwan	Start-up Circuit of Power Converter
1344748	Taiwan	Detection Circuit for Sensing the Input Voltage of Transformer

Patent No.	Country	Title
1337794	Taiwan	Multi-channel Power Converter with Switching Frequency Modulation Circuit for Power Saving
1331446	Taiwan	Control Circuit of Multi-Channels Power Converter
1322559	Taiwan	AC-to-DC Power Circuit
1325218	Taiwan	AC-to-DC Voltage Regulator
1333732	Taiwan	Detection Circuit to Detect Input Voltage of Transformer and Detecting Method for the Same
1346434	Taiwan	Apparatus Providing Protection for Power Converter
1306169	Taiwan	Method and Apparatus for Detecting Demagnetizing Time of Magnetic Device
1349412	Taiwan	Voltage Regulator Providing Power from AC Power Source
1323551	Taiwan	Synchronous Rectification Circuit for Power Converters
1338993	Taiwan	Causal Sampling Circuit for Measuring Reflected Voltage and Demagnetizing Time of Transformer
1357708	Taiwan	Output Current Control Circuit for Power Converter with a Changeable Switching Frequency
1383564	Taiwan	Switching Control Circuit with Adaptive Minimum On Time for Power Converters
1377775	Taiwan	Method and Apparatus for Providing Communication Channel through Output Cable of Power Supply
1330308	Taiwan	Low Dropout Regulator with Wide Input Voltage Range
1343167	Taiwan	Transistor Driver Circuit of Power Converter Operating in a Wide Voltage Range
1344747	Taiwan	Switching Controller for Resonant Power Converter
1344744	Taiwan	Switching Controller for Parallel Power Supply
1344742	Taiwan	Method and Apparatus for Sharing Power of Parallel Power Supplies
1335118	Taiwan	Method and Apparatus Providing Short Circuit Protection for Current Sense Terminal of Power Converter
1347729	Taiwan	Method and Apparatus for Providing Compensations of Current Mode Power Converters
1347728	Taiwan	Compensation Circuit and Compensation Method for Current Mode Power Converters
1343693	Taiwan	Method and Apparatus for Detecting Input Voltage of Power Converter
1343692	Taiwan	Method and Control Circuit with Input Voltage Detection for the Control and Protection of Power Converter
1349417	Taiwan	Output Regulation Circuit of a Power Converter without Current Sensing Loss and Method Thereof
1348827	Taiwan	Power Converter Having PWM Controller for Maximum Output Power Compensation
1341650	Taiwan	Power Converter for Compensating a Maximum Output Power and PWM Controller for the Same
1349441	Taiwan	PWM Controller for Compensating a Maximum Output Power of a Power Converter
1369845	Taiwan	PWM Controller Having a Frequency Modulation for Maximum Output Power Compensation
1370612	Taiwan	Power Converter for Compensating a Maximum Output Power
1344256	Taiwan	Control Circuit Having an Impedance Modulation Controlling Power Converter for Power Saving
1362812	Taiwan	Controller with Loop Impedance Modulation and Soft-start for Power Converter
1342656	Taiwan	Switching Controller for Parallel Power Converters
1389442	Taiwan	Switching Drive Circuit for Soft Switching
1449468	Taiwan	An integrated circuit controller for ballast for just use one external capacitor and adjustable operate frequency/OVP by voltage feedback
1352486	Taiwan	Method and Apparatus for Detecting Switching Current of Magnetic Device Operated at Continuous Current Mode

Patent No.	Country	Title
1343169	Taiwan	Method and Apparatus to Provide Synchronous Rectifying Circuit for Offline Power Converters
1372511	Taiwan	Apparatus to Provide Synchronous Rectifying Circuit for Flyback Power Converters
1366335	Taiwan	Synchronous Rectifying Circuit for Offline Power Converter
1362819	Taiwan	Synchronous Rectifying Circuit for Resonant Power Converters
1353499	Taiwan	Control Circuit for Measuring and Regulating Output Current of CCM Power Converter
1364911	Taiwan	Control Circuit for Synchronous Rectifying and Soft Switching of Power Converters
1383571	Taiwan	Method and Apparatus for Synchronous Rectifying of Soft Switching Power Converters
1373701	Taiwan	Control Circuit for Multi-phases, Multi-channels PFC converter with Variable Switching Frequency
1371907	Taiwan	Synchronous Rectifying for Soft Switching Power Converters
1347063	Taiwan	Synchronous Regulation Circuit
1353712	Taiwan	Synchronous Regulation Circuit and Method for Providing Synchronous Regulation for Power Converters
1389435	Taiwan	Method and Apparatus of Providing Synchronous Regulation Circuit for Offline Power Converter
1368122	Taiwan	Method and Apparatus of Providing Synchronous Regulation Circuit for Offline Power Converter
1356570	Taiwan	Offline Synchronous Switching Regulator
1454182	Taiwan	Offline Control Circuit of LED Driver to Control the Maximum Voltage and the Maximum Current of LEDs
1486098	Taiwan	Controller of LED Lighting to Control the Maximum Voltage of LEDs and the Maximum Voltage across Current Sources
1379501	Taiwan	Method and Apparatus of Providing a Biased Current Limit for Limiting Maximum Output Power of Power Converters
1456371	Taiwan	Control Circuit of Power Factor Corrector
1425748	Taiwan	Control Circuit of a Power Converter
1414118	Taiwan	Using HV JFET to Achieve Brown-out Protection & Current Limit hi/lo Line Compensation
1355794	Taiwan	Offline Synchronous Rectifying Circuit with Sense Transistor for Resonant Switching Power Converters
1411203	Taiwan	Switching Control Circuit for a Switching Power Converter
1469520	Taiwan	A Power Saving Circuit for PWM Circuit
1385499	Taiwan	Interleaved Slave Switching Circuit for Discontinuous Mode PFC Converter
1505635	Taiwan	Low-Pass Filter
1372971	Taiwan	Control Circuit with Frequency Modulation for Power Supplies
1365587	Taiwan	Control Circuit Having Off-time Modulation to Operate Power Converter at Quasi Resonant and in Continuous Current Mode
1366972	Taiwan	Offline Synchronous Rectifier with Causal Circuit for Resonant Switching Power Converters
1390212	Taiwan	Method and Apparatus for Measuring the Switching Current of Power Converter Operated at Continuous Current Mode
1412217	Taiwan	Switching Controller Having Programmable Feedback Circuit for Power Converters
1395395	Taiwan	PFC Converter Having Two-level Output Voltage without Voltage Undershooting
1385893	Taiwan	A Wall Control Interface with Phase Modulation and Detection for Power Management
1389443	Taiwan	Offline Synchronous Rectifier with Turn-On Arbiter and Phase-Lock for Switching Power Converters

Patent No.	Country	Title
1369840	Taiwan	Switching Controller with Burst Mode Management Circuit to Reduce Power Loss and Acoustic Noise of Power Converter
1398079	Taiwan	Buck-Boost PFC Converter
1410775	Taiwan	Switching Control Circuit for Multi-channels and Multi-phases Power Converter Operated at Continuous Current Mode
1369056	Taiwan	Switching Controller Capable of Reducing Acoustic Noise for Power Converters
1395084	Taiwan	High Efficiency Bridgeless PFC Power Converter
1397793	Taiwan	Low Drop-out Regulator Providing Constant Current and Maximum Voltage Limit
1373195	Taiwan	Transistor Gate Driving Circuit with Power Saving for Power Converters
1376090	Taiwan	Control Circuit with Dual Programmable Feedback Loops for BLDC Motors
1378635	Taiwan	Over-current and Over-torque Protection Circuits for BLDC Motor
1390470	Taiwan	Power Management Interface
1398087	Taiwan	Switching Circuit for Primary-side Regulated Resonant Power Converters
1441436	Taiwan	Asymmetrical Resonant Power Converter
1426694	Taiwan	Soft Switching Power Converter with a Variable Switching Frequency for Improving Operation and Efficiency
1390830	Taiwan	Flyback Power Converters
1491156	Taiwan	Synchronous Rectifier having Phase Lock Circuit Coupled to Feedback Loop for Resonant Power Converters
1410772	Taiwan	Output Voltage Control Circuit of Power Converter for Light-Load Power Saving
399023	Taiwan	Dual-Switches Flyback Power Converter with Self-Excited Supply to power the High-Side Driver
1395396	Taiwan	Start-up Circuit to Discharge EMI Filter for Power Saving of Power Supplies
1407666	Taiwan	Control Circuit of Interleaved PFC Power Converter
1396365	Taiwan	Switching Regulator Having Terminal for Feedback Signal Inputting and Peak Switching Current Programming
1429172	Taiwan	Switching Controller for Power Converters
1396369	Taiwan	A Resonant Power Converter with Half Bridge and Full Bridge Operations
1415372	Taiwan	Synchronous Rectifying Circuit with Primary-side Switching Current Detection for Offline Power Converters
1420966	Taiwan	An Offline LED Drive Circuit with Dimming Control
1406591	Taiwan	Offline LED Lighting Circuit with Dimming Control
1425751	Taiwan	A Power Supply with Oper-loop Protection
1414143	Taiwan	Power Saving Improvement by FB Pin Input Impedance Soft Switching
1483517	Taiwan	Method and Apparatus to Improve Dynamic Response of the Synchronous Rectifying for Resonant Power Converters
1457035	Taiwan	A LED Drive Circuit with a Programming Input for LED Lighting
1404308	Taiwan	Control Apparatus and Methods for Primary-side-regulation Power Converters
1422153	Taiwan	High Speed Reflected Signal Detection for Primary-side Controlled Power Converters
1482976	Taiwan	Method and Apparatus for Detecting CCM operation of a Magnetic Device

Patent No.	Country	Title
1416852	Taiwan	Switching Control Circuit with Valley Lock for Power Converters
1499194	Taiwan	Adaptive Synchronous Rectification Control Method and Apparatus
1454007	Taiwan	Method and Apparatus of Short-Circuit Protection for Power Converters
1472131	Taiwan	Active-Clamp Circuit for Quasi Resonant Flyback Power Converter
1469488	Taiwan	Dual Switches Flyback Power Converter with Wide Input Voltage Range
1472134	Taiwan	A Start-Up Circuit with Low Standby Power Loss for Power Converters
1436571	Taiwan	High-side Synchronous Rectification Circuit for Power Converters
1422132	Taiwan	Power Converters and Method for Providing Over-temperature Protection
1450070	Taiwan	Method and Apparatus for a Flyback Power Converter Providing Output Voltage and Current Regulation without Input Capacitor
1436190	Taiwan	A Correction Circuit of a Switching-Current Sample for Power Converters in Both CCM and DCM Operation
1484736	Taiwan	Control Circuit with Burst Mode and Extended Valley Switching for Quasi Resonant Power Converter
1448063	Taiwan	Controller with Valley Switching and Limited Maximum Frequency for Quasi-resonant Power Converters
1452926	Taiwan	Method and Apparatus for an Offline LED Driver with High Power Factor
1456877	Taiwan	Start-up Circuit to Discharge EMI Filter of Power Supplies
1452807	Taiwan	Adaptive Filter Circuit for Sampling a Reflected Voltage of Transformer in a Power Converter and Method for Detecting the Reflected Voltage Thereof
1473404	Taiwan	A Control Circuit for Burst Switching of Power Converter and Method Thereof
1525972	Taiwan	A Switching Control Circuit with Valley-lock Switching and Limited Maximum Frequency for QR Power Converter
1536718	Taiwan	A Feedback Terminal of Power Converter Having Programming Function for Parameter Setting
1525978	Taiwan	An Adaptive Filter for Sampling the Reflected Voltage of Transformer of a Power Converter
1458229	Taiwan	A Switching Control Circuit with Valley-Lock Switching and Limited Maximum Frequency for Quasi-Resonant Power Converters and Method thereof
1445443	Taiwan	Control Circuit and Control Method for Dimming LED Lighting Circuit
1359474	Taiwan	Equidistance Pick-and-Place Device for ICs
1472466	Taiwan	A Pick-and Place Device for Ics
1343688	Taiwan	Rotating Shaft and Motor Rotor Having the Same
1356562	Taiwan	Motor Rotor
D126799	Taiwan	Motor Rotor
D128647	Taiwan	Controller with DC Brushless Motor
D133552	Taiwan	Brushless Direct Current Motor of Industrial Fan
424803	Taiwan	End Cover and Motor Rotor Having the END Cover
1434489	Taiwan	Motor Rotor and a Motor Having the Same
1406493	Taiwan	Constant-Speed Control Circuit for BLDC Motors
1249851	Taiwan	High Voltage and Low On-resistance LDMOS Having Equalized Capacitance
1235492	Taiwan	High Voltage LDMOS Transistor Having an Isolated Structure
1288470	Taiwan	Isolated High Voltage LDMOS Transistor with Split Well Structure

Patent No.	Country	Title
1292608	Taiwan	Different-Voltage Device Manufactured by a CMOS Compatible Process and High-Voltage Device Used in the Different-Voltage Device
1270984	Taiwan	High Voltage and Low On-resistance LDMOS Transistor Having Radiation Structure and Isolated Effect
1308792	Taiwan	Electrostatic Discharge Device Integrated with Pad
1288467	Taiwan	Electrostatic Discharge Device
1253166	Taiwan	Electrostatic Discharge Device Having Controllable Trigger Voltage
1275172	Taiwan	Electrostatic Discharge Device with Controllable Holding Current
1244209	Taiwan	Isolated High-Voltage Mostet Devices in Integrated Circuits
1241715	Taiwan	MOSFET with Isolation Structure for Monolithic Integration and Fabrication Method Thereof
1248685	Taiwan	MOSFET with Isolation Structure and Fabrication Method Thereof
1323509	Taiwan	Semiconductor Structure of a High Side Driver and Method for Manufacturing the Same
1323515	Taiwan	Semiconductor Structure of a High Side Driver and Method for Manufacturing the Same
1317167	Taiwan	Semiconductor Structure of a High Side Driver for Two High Voltage Nodes with Partially Linked Deep Wells and Method for Manufacturing the Same
1318796	Taiwan	Process for Manufacturing Voltage-controlled Transistor
1369758	Taiwan	Voltage-controlled Semiconductor Structure, Resistor, and Manufacturing Processes Thereof
1332267	Taiwan	Semiconductor Resistor and Semiconductor Process of Making The Same
1332268	Taiwan	Schottky Device and Process of Making the Same
1303104	Taiwan	Voltage-Cipping Device with High Breakdown Voltage
1305417	Taiwan	Integrated Circuit with High Voltage Junction Structure
1323514	Taiwan	Integrated Circuit for a High-side Transistor Driver
1395316	Taiwan	Multi-chip Module Package
1358812	Taiwan	Semiconductor structure for protecting an internal integrated circuit and method for manufacturing the same
1384617	Taiwan	Semiconductor Structure with High Breakdown Voltage and Resistance and Method for Manufacturing the Same
1371846	Taiwan	ESD Protection Circuit for an Integrated Circuit with a Negative Voltage Input Terminal
1440161	Taiwan	Semiconductor Device for Electrostatic Discharge Protection
1404193	Taiwan	Semiconductor Devices and Formation Methods Thereof
1409937	Taiwan	Semiconductor Device
1437666	Taiwan	Trim Circuit for Power Supply Controller
1233254	Taiwan	A Current Sensing Pulse Width Modulation Technology for Motor Drives
1442679	Taiwan	Control Circuit with ZVS-lock and Asymmetrical PWM for Resonant Power Converter
1433447	Taiwan	Angel Detection Apparatus and Method for Rotor of Motor
1468071	Taiwan	High-Side Signal Sensing Circuit
1449310	Taiwan	Switching Control Circuit for a Flyback Power Converter without Input Capacitor
1493873	Taiwan	Monolithic High-Side Switch Control Circuit
1499176	Taiwan	A Control Circuit with Fast Dynamic Response for Power Converters
1504114	Taiwan	Synchronous Rectifier Control Circuits of Power Converters

Patent No.	Country	Title
1525981	Taiwan	System, Method and Apparatus of Sensor-Less Field Oriented Control for Permanent Magnet Motor
1520474	Taiwan	A Primary Side Regulation Control Circuit of a Power Converter
1509956	Taiwan	Control Circuit for an Inverter with Small Input Capacitor
1525969	Taiwan	Method and Apparatus for Controlling Resonant Power Converter
1525984	Taiwan	Circuit and Method for Detecting Positions for Motor
1506952	Taiwan	Isolation Interface Circuit for Power Management
1469478	Taiwan	Adaptive Slope Compensation Programmed by Input Voltage of Power Converter
1493847	Taiwan	Regulation Circuit Associated with Synchronous Rectifier Providing Cable Compensation for the Power Converter
1499192	Taiwan	Adaptive Sampling Circuit for Detecting the Demagnetized Voltage of the Transformer
1499178	Taiwan	Two-Switch Flyback Power Converters
1502867	Taiwan	A Sampling Circuit for Measuring the Reflected Voltage of Transformer for Power Converter
1531147	Taiwan	A Sampling Circuit for Measuring Reflected Voltage of Transformer for Power Converter Operated in DCM and CCM
1520470	Taiwan	Transistor Gate Driver with Charge Pump Circuit for Offline Power Converters
1495236	Taiwan	Method and Apparatus for Controlling Programmable Power Converter
1506927	Taiwan	Control Circuits and Generation Methods
1525973	Taiwan	Circuit of Power Converter with Temperature Control and Method Thereof
1509970	Taiwan	Control Circuit for Active Clamp Flyback Power Converter with Predicted Timing Control
1528691	Taiwan	The Control Means
1539712	Taiwan	Method and Apparatus for Controlling Wireless Induction Power Supply
1514125	Taiwan	Method and Apparatus for Programming a Programmable Power Supply
1516009	Taiwan	Control Circuit of Synchronous Rectifier with Period Lock Function for Flyback Power Converter operated in DCM and CCM
1479771	Taiwan	Interface Circuits for Cascade and Series Battery Management and Methods Thereof
1550997	Taiwan	Control Circuit for Charging Battery through Programmable Power Supply
1499191	Taiwan	Active-clamp circuit
1533578	Taiwan	Control Circuit of Power Converter and Method Therefore
1513159	Taiwan	Method and Apparatus for Controlling Programmable Power Converter with Low Standby Power Loss
1513162	Taiwan	Control Circuit for Programmable Power Supply
1525975	Taiwan	Adaptive active clamp of flyback power converter with high efficiency for heavy load and light load
1496406	Taiwan	Power Converter and Method for Controlling Power Converter
1523386	Taiwan	Method and Apparatus of Frequency Modulation for Power Saving of Adaptive Power Converter
1523394	Taiwan	Control Circuit for Active-Clamp Flyback Power Converter with Programmable Switching Period
1502864	Taiwan	Method and Apparatus of Power Saving for Power Converters
1462450	Taiwan	Control Circuit for Offline Power Converter without Input Capacitor
1469504	Taiwan	Sensorless Motor Apparatus, Back EMF Detector and Detection Method Thereof
1542966	Taiwan	Under-Voltage Protection Circuit for Programmable Power Supplies
1517546	Taiwan	A Primary Side Regulated Programmable Power Converter with Communication with Mobile Device

Patent No.	Country	Title
1495269	Taiwan	A Successive Approximation Multiplier Divider for Signal Process
1469491	Taiwan	A Control Circuit for Clamping the Maximum Switching Current of Power Converter
1499180	Taiwan	Control circuit with deep burst mode for power converter
1483525	Taiwan	Control Circuit for Controlling the Maximum Output Current of Power Converter
1523383	Taiwan	Discharge EMI filter Cap. Circuit Design For Lower EMI ,Higher Power Saving
1522003	Taiwan	High Efficiency LED Driver with Current Source Regulation
1473399	Taiwan	A Switching Current Synthesis Circuit for Power Converter
1475789	Taiwan	Adaptive Frequency Compensation for PFC Converter Operated in CGM and DCM
1538377	Taiwan	Programmable Current Limit Circuit for a Programmable Power Supply
10-0982169-00-00	Korea,	Switching Control Circuit for Primary-side-controlled Power Converters
10-1040159-00-00	Korea, Republic of	Switching Control Circuit with Variable Switching Frequency for Primary-side-controlled Power Converters
10-1005269-00-00	Korea, Republic of	Switching Control Circuit Having Off-time Modulation to Improve Efficiency of Primary-side Controlled Power Supply
4871135	Japan	An Apparatus for Reducing the Power Consumption of a PFC-PWM Power Converter
4724229	Japan	Switching Control Circuit for Primary-side-controlled Power Converters
4733186	Japan	Switching Control Circuit with Variable Switching Frequency for Primary-side-controlled Power Converters
4763055	Japan	Switching Control Circuit Having Off-time Modulation to Improve Efficiency of Primary-side Controlled Power Supply
4268176	Japan	Floating Driving Circuit
4795441	Japan	Method and Apparatus for Detecting Demagnetizing Time of Magnetic Device
5102318	Japan	Primary-side Controlled Switching Regulator
4263216	Japan	Switch Charge Multiplier-Divider
422371	China	Pulse Width Modulation Controller Having Frequency Modulation for Power Converter
343303	China	PWM Controller Having Off-time Modulation for Power Converter
426647	China	PWM Controller for Output Power Limit of a Power Supply
612005	China	PWM Controller Having a Saw-limiter for Output Power Limit without Sensing Input Voltage
418044	China	A PWM Controller Regulating Output Voltage and Output Current in Primary Side
612866	China	Primary-side Regulated Pulse Width Modulation Controller with Improved Load Regulation
411736	China	PFC-PWM Controller Having a Power Saving Means
429694	China	Flyback Power Converter Having a Constant Voltage and a Constant Current Output under Primary-side PWM Control
445832	China	Power Supply Having Multi-vector Error Amplifier for Power Factor Correction
429711	China	Switch Charge Multiplier-Divider
411751	China	Capacitive High-side Switch Driver for a Power Converter
445887	China	High-side Transistor Driver for Power Converters
483883	China	Multiplier-Divider Circuit for a PFC Controller
546628	China	PFC-PWM Controller Having an Interleaved Switching

Patent No.	Country	Title
612163	China	An Apparatus for Reducing the Power Consumption of a PFC-PWM Power Converter
720867	China	Apparatus and Method Thereof for Measuring Output Current from Primary Side of Power Converter
441610	China	Control Circuit for Controlling Output Current at the Primary Side of a Power Converter
726852	China	Close-loop PWM Controller for Primary-side Controlled Power Converters
405754	China	Switching Control Circuit for Primary-side-controlled Power Converters
405739	China	Switching Control Circuit with Variable Switching Frequency for Primary-side-controlled Power Converters
531915	China	Switching Controller Having Frequency Hopping for Power Supplies and Method Thereof
522663	China	Over-Power Protection Circuit for Power Converter
462937	China	Over-voltage Protection Circuit for Power Converter
406114	China	Power Supply with Current-sharing Control and Current-sharing Method Thereof
436372	China	Switching Control Circuit Having Off-time Modulation to Improve Efficiency of Primary-side Controlled Power Supply
396524	China	Multiple-sampling Circuit for Measuring Reflected Voltage and Discharge Time of a Transformer
441660	China	Over-power Protection Apparatus for Self-Excited Power Converter
429903	China	Soft-Start Apparatus for Power Supplies
426734	China	Start-up Apparatus for Power Converters
425374	China	Voltage-regulator and Power Supply Having Current Sharing Control
429867	China	Apparatus and Method of Current Sharing
535597	China	Power Conversion Apparatus
693025	China	Switching Regulator Having Energy Saving Circuit
454367	China	Switching Control Circuit Having a Valley Voltage Detector to Achieve Soft Switching for Resonant Power Converters
421514	China	Power Converter Having Phase Lock Circuit for Quasi-resonant Soft Switching
522722	China	Control Circuit for Proportional Driving Switching Power Supply
435162	China	Over-Power Protection Apparatus with Programmable Over-current Threshold
546801	China	Energy Transfer Apparatus for Reducing Conductivity Electromagnetic Interference and Manufacturing Method Thereof
494310	China	Buck Converter for both Full Load and Light Load Operations
554730	China	Controller for regulating output current at the primary side of a power supply
746661	China	High Efficiency Switching LED Driver
522778	China	Control Circuit Having Programmable Waveform for Output Power Limit of Power Converter
499139	China	Highly Efficient Switching Power Converter Using a Charge Pump to Power the Drive Circuit
628661	China	High-side Transistor Driver Having Positive Feedback for Improving Speed and Power Saving
469912	China	Controller Having Output Current Control for a Power Converter
463346	China	Control Circuit of Power Converter Having Adaptive Bias for Detecting Reflected Voltage of Transformer
481557	China	Control Circuit Having Frequency Modulation to Reduce EMI of Power Converters
532670	China	Control Circuit Including a Frequency Hopping to Reduce EMI of Power Supplies
450891	China	Method and Apparatus for Measuring Reflected Voltage of Transformer

Patent No.	Country	Title
520377	China	Soft-switching Power Converter Having Power Saving Circuit for Light Load Operations
430046	China	Switching Control Circuit for Discontinuous Mode PFC Converters
568269	China	Primary-side Controlled Switching Regulator
573555	China	Switching LED Driver
538202	China	Switching LED Driver with Temperature Compensation to Program LED Current
486014	China	LED Drive Circuit Having Temperature Compensation
566460	China	Control Circuit Including Adaptive Bias for Transformer Voltage Detection of a Power Converter
587504	China	Synchronous Switching Control Circuit for Power Converters
925189	China	Primary Side Controlled Switching Regulator
533584	China	Control Circuit having Two-level under Voltage Lockout to Improve the Protection of Power Supply
619361	China	Method and Apparatus for Predicting Discharge Time of Magnetic Device for Power Converter
504441	China	Control Circuit to Reduce Reverse Current of Synchronous Rectifier
614847	China	Switching Circuit of Power Converter Having Voltage-Clipping Device to Improve Efficiency
554815	China	Switch Circuit to Control On/Off of High Voltage Source
572128	China	High Voltage Start-up Circuit for Power Converters
882699	China	Floating Driving Circuit
533604	China	Start-up Circuit with Feedforward Compensation for Power Converters
674968	China	Current Mode Resonant Ballast
605112	China	Switching Controller Having Synchronous Input for the Synchronization of Power Converters
697748	China	Start-up Circuit of Power Converter
617882	China	Detection Circuit for Sensing the Input Voltage of Transformer
534533	China	Multi-channel Power Converter with Switching Frequency Modulation Circuit for Power Saving
514971	China	Control Circuit of Multi-Channels Power Converter
ZL200610109717.5	China	AC-to-DC Power Circuit
486386	China	AC-to-DC Voltage Regulator
556680	China	Detection Circuit to Detect Input Voltage of Transformer and Detecting Method for the Same
669005	China	Apparatus Providing Protection for Power Converter
556627	China	Method and Apparatus for Detecting Demagnetizing Time of Magnetic Device
685646	China	Voltage Regulator Providing Power from AC Power Source
620470	China	Linear-predict Sampling for Measuring Demagnetized Voltage of Transformer
860603	China	Synchronous Rectification Circuit for Power Converters
517613	China	Causal Sampling Circuit for Measuring Reflected Voltage and Demagnetizing Time of Transformer
534532	China	Output Current Control Circuit for Power Converter with a Changeable Switching Frequency
1054979	China	Switching Control Circuit with Adaptive Minimum On Time for Power Converters
572501	China	Method and Apparatus for Providing Communication Channel through Output Cable of Power Supply
604797	China	Low Dropout Regulator with Wide Input Voltage Range
626214	China	Transistor Driver Circuit of Power Converter Operating in a Wide Voltage Range
590308	China	Switching Controller for Resonant Power Converter
659308	China	Switching Controller for Parallel Power Supply

Patent No.	Country	Title
905118	China	Method and Apparatus for Sharing Power of Parallel Power Supplies
636722	China	Method and Apparatus Providing Short Circuit Protection for Current Sense Terminal of Power Converter
891772	China	Method and Apparatus for Providing Compensations of Current Mode Power Converters
ZL200710103717.9	China	Compensation Circuit and Compensation Method for Current Mode Power Converters
846498	China	Method and Apparatus for Detecting Input Voltage of Power Converter
883560	China	Method and Control Circuit with Input Voltage Detection for the Control and Protection of Power Converter
678793	China	Output Regulation Circuit of a Power Converter without Current Sensing Loss and Method Thereof
820987	China	Power Converter Having PWM Controller for Maximum Output Power Compensation
843256	China	Power Converter for Compensating a Maximum Output Power and PWM Controller for the Same
673870	China	PWM Controller for Compensating a Maximum Output Power of a Power Converter
679343	China	PWM Controller Having a Frequency Modulation for Maximum Output Power Compensation
692472	China	Power Converter for Compensating a Maximum Output Power
557057	China	Control Circuit Having an Impedance Modulation Controlling Power Converter for Power Saving
637456	China	Controller with Loop Impedance Modulation and Soft-start for Power Converter
679295	China	Switching Controller for Parallel Power Converters
ZL200710146168.3	China	Switching Drive Circuit for Soft Switching
ZL200710163689.X	China	An integrated circuit controller for ballast for just use one external capacitor and adjustable operate frequency/OVP by voltage feedback
754172	China	Method and Apparatus for Detecting Switching Current of Magnetic Device Operated at Continuous Current Mode
686588	China	Method and Apparatus to Provide Synchronous Rectifying Circuit for Offline Power Converters
701651	China	Apparatus to Provide Synchronous Rectifying Circuit for Flyback Power Converters
679500	China	Synchronous Rectifying Circuit for Offline Power Converter
637934	China	Synchronous Rectifying Circuit for Resonant Power Converters
590484	China	Control Circuit for Measuring and Regulating Output Current of CCM Power Converter
639764	China	Control Circuit for Synchronous Rectifying and Soft Switching of Power Converters
646043	China	Method and Apparatus for Synchronous Rectifying of Soft Switching Power Converters
737371	China	Control Circuit for Multi-phases, Multi-channels PFC converter with Variable Switching Frequency
639649	China	Synchronous Regulation Circuit
908243	China	Synchronous Regulation Circuit and Method for Providing Synchronous Regulation for Power Converters
853994	China	Method and Apparatus of Providing Synchronous Regulation Circuit for Offline Power Converter
724743	China	Method and Apparatus of Providing Synchronous Regulation Circuit for Offline Power Converter
687701	China	Offline Synchronous Switching Regulator
1009517	China	Offline Control Circuit of LED Driver to Control the Maximum Voltage and the Maximum Current of LEDs
1035161	China	Controller of LED Lighting to Control the Maximum Voltage of LEDs and the Maximum Voltage across Current Sources

Patent No.	Country	Title
863813	China	Offline Synchronous Rectifying Circuit with Current Transformer for Soft Switching Power Converters
970309	China	Method and Apparatus of Providing a Biased Current Limit for Limiting Maximum Output Power of Power Converters
696645	China	Control Circuit of Power Factor Corrector
1033735	China	Control Circuit of a Power Converter
775081	China	Offline Synchronous Rectifying Circuit with Sense Transistor for Resonant Switching Power Converters
869306	China	Switching Control Circuit for a Switching Power Converter
906652	China	A Power Saving Circuit for PWM Circuit
688614	China	Interleaved Slave Switching Circuit for Discontinuous Mode PFC Converter
839477	China	Low-Pass Filter
744276	China	Control Circuit with Frequency Modulation for Power Supplies
861956	China	Control Circuit Having Off-time Modulation to Operate Power Converter at Quasi Resonant and in Continuous Current Mode
842882	China	Offline Synchronous Rectifier with Causal Circuit for Resonant Switching Power Converters
1025697	China	Method and Apparatus for Measuring the Switching Current of Power Converter Operated at Continuous Current Mode
861636	China	Switching Controller Having Programmable Feedback Circuit for Power Converters
981015	China	PFC Converter Having Two-level Output Voltage without Voltage Undershooting
899894	China	Switching Controller Having Switching Frequency Hopping for Power Converter
ZL200910163404.1	China	A Wall Control Interface with Phase Modulation and Detection for Power Management
963319	China	Offline Synchronous Rectifier with Turn-On Arbiter and Phase-Lock for Switching Power Converters
963490	China	Switching Controller with Burst Mode Management Circuit to Reduce Power Loss and Acoustic Noise of Power Converter
983502	China	Buck-Boost PFC Converter
975118	China	Switching Control Circuit for Multi-channels and Multi-phases Power Converter Operated at Continuous Current Mode
949273	China	Switching Controller Capable of Reducing Acoustic Noise for Power Converters
ZL200910134418.0	China	High Efficiency Bridgeless PFC Power Converter
907126	China	Low Drop-out Regulator Providing Constant Current and Maximum Voltage Limit
961428	China	Transistor Gate Driving Circuit with Power Saving for Power Converters
948653	China	Control Circuit with Dual Programmable Feedback Loops for BLDC Motors
946479	China	Over-current and Over-torque Protection Circuits for BLDC Motor
965375	China	Power Management Interface
1088225	China	Switching Circuit for Primary-side Regulated Resonant Power Converters
1083526	China	Asymmetrical Resonant Power Converter
ZL201010117084.9	China	Soft Switching Power Converter with a Variable Switching Frequency for Improving Operation and Efficiency
ZL20101000099.7	China	Synchronous Rectifier having Phase Lock Circuit Coupled to Feedback Loop for Resonant Power Converters

Patent No.	Country	Title
ZL201010134350.9	China	An Output Voltage Control Circuit of Power Converter for No Load Power Saving
ZL201010129390.4	China	Dual-Switches Flyback Power Converter with Self-Excited Supply to power the High-Side Driver
ZL201010133863.8	China	A Control Circuit of Resonant Power Converter with Asymmetrical Phase Shift to Improve the Operation
942437	China	Start-up Circuit to Discharge EMI Filter for Power Saving of Power Supplies
ZL201010220566.7	China	Control Circuit of Interleaved PFC Power Converter
1048228	China	Switching Regulator Having Terminal for Feedback Signal Inputting and Peak Switching Current Programming
ZL201010145613.6	China	Switching Controller for Power Converters
1050077	China	A Resonant Power Converter with Half Bridge and Full Bridge Operations
943844	China	Synchronous Rectifying Circuit with Primary-side Switching Current Detection for Offline Power Converters
ZL201010170670.X	China	An Offline LED Drive Circuit with Dimming Control
ZL201010172406.X	China	Offline LED Lighting Circuit with Dimming Control
1033710	China	A Power Supply with Oper-loop Protection
ZL201010202839.5	China	High Efficiency LED Driver with Current Source Regulations
ZL201010159781.0	China	Power Saving Improvement by FB Pin Input Impedance Soft Switching
ZL201010503935.3	China	Method and Apparatus to Improve Dynamic Response of the Synchronous Rectifying for Resonant Power Converters
ZL201110006880.X	China	A LED Drive Circuit with a Programming Input for LED Lighting
ZL201010277600.4	China	Control Apparatus and Methods for Primary-side-regulation Power Converters
ZL201010291874.9	China	High Speed Reflected Signal Detection for Primary-side Controlled Power Converters
ZL201110097457.5	China	Method and Apparatus for Detecting CCM operation of a Magnetic Device
ZL201110147595.X	China	Switching Control Circuit with Valley Lock for Power Converters
ZL201110114934.4	China	Adaptive Synchronous Rectification Control Method and Apparatus
ZL201010535323.2	China	Method and Apparatus of Short-Circuit Protection for Power Converters
ZL201110130372.2	China	Active-Clamp Circuit for Quasi Resonant Flyback Power Converter
ZL201110148845.1	China	Dual Switches Flyback Power Converter with Wide Input Voltage Range
ZL201110200544.9	China	High-side Synchronous Rectification Circuit for Power Converters
ZL201010543816.0	China	Method and Apparatus of Providing Over-temperature Protection for Power Converters
ZL201110219561.7	China	Method and Apparatus for a Flyback Power Converter Providing Output Voltage and Current Regulation without Input Capacitor
ZL201110124511.0	China	A Correction Circuit of a Switching-Current Sample for Power Converters in Both CCM and DCM Operation
ZL201110253901.8	China	Control Circuit with Burst Mode and Extended Valley Switching for Quasi Resonant Power Converter
ZL201110039378.9	China	Controller with Valley Switching and Limited Maximum Frequency for Quasi-resonant Power Converters
ZL201110213005.9	China	Method and Apparatus for an Offline LED Driver with High Power Factor
ZL201110056908.0	China	Start-up Circuit to Discharge EMI Filter of Power Supplies
ZL201110398041.7	China	A Primary-side Controlled Power Converter with an RC Network and Method Thereof
ZL201110415486.1	China	A Feedback Terminal of Power Converter Having Programming Function for Parameter Setting

Patent No.	Country	Title
ZL 2011 1 0276624.2	China	Control Circuit and Control Method for Dimming LED Lighting Circuit
704938	China	Equidistance Pick-and-Place Device for ICs
1113659	China	A Pick-and Place Device for Ics
803806	China	Motor Rotor
920202	China	Motor Rotor
1013739	China	Controller with DC Brushless Motor
1121575	China	Semiconductor Device Mount Structure and Method Thereof
ZL201010277618.4	China	Constant-Speed Control Circuit for BLDC Motors
395963	China	High Voltage LDMOS Transistor Having an Isolated Structure
342865	China	Isolated High Voltage LDMOS Transistor with Split Well Structure
467152	China	Isolated High Voltage LDMOS Transistor with Split Well Structure
446875	China	High Voltage and Low On-resistance LDMOS Transistor Having Radiation Structure and Isolated Effect
451206	China	Electrostatic Discharge Device
411994	China	Electrostatic Discharge Device Having Controllable Trigger Voltage
425534	China	Electrostatic Discharge Device with Latch-Up Immunity
462990	China	Electrostatic Discharge Protection Semiconductor Structure
611750	China	Isolated High-Voltage Mosfet Devices in Integrated Circuits
458324	China	MOSFET with Isolation Structure and Fabrication Method Thereof
522599	China	Transistor Structure Having Breakdown Protection
486554	China	Semiconductor Structure of a High Side Driver and Method for Manufacturing the Same
486571	China	Semiconductor Structure of a High Side Driver and Method for Manufacturing the Same
437655	China	Semiconductor Structure of a High Side Driver for Two High Voltage Nodes with Partially Linked Deep Wells and Method for Manufacturing the Same
463772	China	Process for Manufacturing Voltage-controlled Transistor
548064	China	Voltage-controlled Semiconductor Structure, Resistor, and Manufacturing Processes Thereof
870639	China	Semiconductor Resistor and Semiconductor Process of Making The Same
699667	China	Schottky Device and Process of Making the Same
579584	China	Voltage-Clipping Device with High Breakdown Voltage
561644	China	Integrated Circuit with High Voltage Junction Structure
474529	China	Integrated Circuit for a High-side Transistor Driver
977037	China	Multi-chip Module Package
884390	China	Semiconductor structure for protecting an internal integrated circuit and method for manufacturing the same
690983	China	Semiconductor Structure with High Breakdown Voltage and Resistance and Method for Manufacturing the Same
648334	China	Semiconductor Device for Electrostatic Discharge Protection
ZL201010000787.3	China	Semiconductor Devices and Formation Methods Thereof
863316	China	Semiconductor Structure for High-side Drivers
905608	China	ESD Semiconductor Structure

Patent No.	Country	Title
995701	China	Semiconductor Device
841086	China	Driving Circuit
ZL201210135951.0	China	Angel Detection Apparatus and Method for Rotor of Motor
ZL201210074436.6	China	Switching Control Circuit for a Flyback Power Converter without Input Capacitor
ZL201210107032.2	China	Monolithic High-Side Switch Control Circuit
ZL201310316420.6	China	Method and Apparatus for the Angle Estimation of Sensorless PM Motor
ZL201210482451.4	China	An Isolation Interface Circuit for Power Management
ZL201210304166.3	China	Adaptive Slope Compensation Programmed by Input Voltage of Power Converter
ZL201210339002.4	China	Protection Circuit for Power Converter without Input Capacitor
ZL201210259706.0	China	Regulation Circuit Associated with Synchronous Rectifier Providing Cable Compensation for the Power Converter
ZL201310118487.9	China	A Sampling Circuit for Measuring the Reflected Voltage of Transformer for Power Converter
ZL201310110834.3	China	A Sampling Circuit for Measuring Reflected Voltage of Transformer for Power Converter Operated in DCM and CCM
ZL201210040863.2	China	High-Side Signal Sensing Circuit
ZL201310054699.5	China	An Addressable Interface for Cascade Battery Management Circuit
ZL201410008958.5	China	Control Circuit for Programmable Power Supply
ZL201410017857.4	China	Method and Apparatus for Controlling Programmable Power Converter with Low Standby Power Loss
ZL201210033018.2	China	An Adaptive Filter for Sampling the Reflected Voltage of Transformer of a Power Converter
ZL201310087008.1	China	Method and Apparatus of Power Saving for Power Converters
ZL201210050721.4	China	Switching Control Circuit with Valley-Lock Switching and Limited Maximum Frequency for Quasi-Resonant Power Converters
ZL201310042692.1	China	Sensorless Motor Apparatus, Back EMF Detector and Detection Method Thereof
ZL201210167024.7	China	Control circuit for resonant power converter and control method thereof
ZL201210440948.X	China	A Successive Approximation Multiplier Divider for Signal Process
ZL201210266842.2	China	Controller for Power Converter
ZL200910250063.1	China	Dual-Switches Flyback Power Converter with a High-Side Driver and Floating Supply
ZL201210447061.3	China	Control circuit with deep burst mode for power converter
ZL201210026678.8	China	Adaptive Hysteresis Threshold for the Burst Switching of Power Converter
ZL201210032860.4	China	A Multi-function Terminal of Power Supply Controller for Feedback Signal Input and Over-temperature Protection
ZL201210350223.1	China	Control Circuit for Controlling the Maximum Output Current of Power Converter
ZL201210523728.3	China	A Switching Current Synthesis Circuit for Power Converter
ZL201210385708.4	China	Adaptive Frequency Compensation for PFC Converter Operated in CCM and DCM
ZL201310163536.0	China	High Efficiency Bridgeless PFC Power Converter

Application No.	Application Date	Country	Title
14/309858	June 19, 2014	US	System, Method and Apparatus of Sensor-Less Field Oriented Control for Permanent Magnet Motor
14/474313	September 2, 2014	US	Control Circuit for Driving Motor and Method for Controlling Speed of Motor
15/229084	August 4, 2016	US	Power Converter and Control Method Therefor
15/347987	November 10, 2016	US	Control Circuit For Led And Active Bleeder Thereof
15/350385	November 14, 2016	US	Led Driver
62/206927	August 19, 2015	US	A Control Circuit with Smooth Mode Change Scheme for Power Converter
62/208895	August 24, 2015	US	Stray Inductance Compensation for Synchronous Rectifiers in Adaptive Output Powers
62/254251	November 12, 2015	US	Active Bleeder for LED Driver
62/254267	November 12, 2015	US	AC-Direct LED Driver
62/260857	November 30, 2015	US	Secondary Side Controlled Synchronous Rectifier Power Converter
62/272083	December 29, 2015	US	Using Synchronous Rectifier to Assist in Regulation of a Flyback Converter in Light-load Conditions
62/354257	June 24, 2016	US	Communication Circuit for Flyback Power Converter with Synchronous Rectifier
62/375982	August 17, 2016	US	Control Circuit for Power Converter with Isolated/ Non-Isolated Feedback
62/376922	August 19, 2016	US	Control Method for Power Converter and Control Circuit Therefor
15/216701	July 22, 2016	US	Power Converter and Control Method Therefor
62/196294	July 23, 2015	US	Power Converter
14/725459	May 29, 2015	US	LED Drive Circuit with a Programmable Input for LED Lighting
13/865377	April 18, 2013	US	Control Circuit For An Inverter With Small Input Capacitor
13/867248	April 22, 2013	US	Switching Control Circuit With Signal Process To Accommodate The Synchronous Rectifier Of Power Converters
14/046059	October 4, 2013	US	Method And Apparatus For Controlling Programmable Power Converter
14/251899	April 14, 2014	US	Control Circuit For Active Clamp Flyback Power Converter With Predicted Timing Control

SCHEDULE A (Patent Applications)

Application No.	Application Date	Country	Title
14/088633	November 25, 2013	US	Dual Gate Drive Circuit For Reducing Emi Of Power Converters And Control Method Thereof
14/250566	April 11, 2014	US	Method And Apparatus For Controlling Wireless Induction Power Supply
14/217488	March 18, 2014	US	Method Of Controlling Synchronous Rectifier For Power Converter, Control Circuit, And Power Converter Thereof
13/748611	January 24, 2013	US	Interface Circuits For Cascade And Series Battery Management And Methods Thereof
14/191952	February 27, 2014	US	Control Circuit For Charging Battery Through Programmable Power Supplier
14/076404	November 11, 2013	US	Active Clamp Circuits For Flyback Power Converters
14/295329	June 3, 2014	US	Method For Programmable Primary-Side-Regulated Power Converter
14/148955	January 7, 2014	US	Control Circuit For Programmable Power Supply
14/305077	June 16, 2014	US	Method And Apparatus For Selecting The Output Of Programmable Power Adapter
14/460373	August 15, 2014	US	Method For Controlling Synchronous Rectifier Of Power Converter And Control Circuit Using The Same
14/340809	July 25, 2014	US	Method And Apparatus Of Frequency Modulation For Power Saving Of Adaptive Power Converter
14/554174	November 26, 2014	US	Discharge Circuits Of Discharge Paths For Electromagnetic Interference Filters
13/560519	July 27, 2012	US	Adaptive Frequency Compensation For Pfc Power Converter Operating In Ccm And Dcm
14/510445	October 9, 2014	US	Programmable Current Limit Circuit For A Programmable Power Supply
14/525319	October 28, 2014	US	Programmable Frequency Decrease Circuit For A Programmable Power Supply
14/692998	April 22, 2015	US	Method And Circuit Of Detecting Attachment And Detachment Between A Portable Device And A Power Converter

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Application No.	Application Date	Country	Title
15/072751	March 17, 2016	US	Dead Time Compensation For Synchronous Rectifiers In Adaptive Output Powers
14/791649	July 6, 2015	US	Regulation Circuit Associated With Synchronous Rectifier Providing Cable Compensation For The Power Converter And Method Thereof
13/870177	April 25, 2013	US	Start-Up Circuit To Discharge Emi Filter For Power Saving Of Power Supplies
14/844913	September 3, 2015	US	Control Circuits And Methods For Active-Clamp Flyback Power Converters
15/000487	January 19, 2016	US	Pollution Detection Circuit For Data Lines And Method Thereof
15/044288	February 16, 2016	US	Alternating Valley Switching For Power Converter
15/175382	June 7, 2016	US	Protection Circuit and Method for Flyback Power Converter

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PATENT

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