505605690 08/05/2019 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5652491

SUBMISSION TYPE:		NEW ASSIGNMENT	
ATURE OF CONVEY	ANCE:	ASSIGNMENT	
CONVEYING PARTY	DATA		
		Name	Execution Date
FAIRCHILD (TAIWAN) CORPORATION)	CORPOR	ATION (FORMERLY SYSTEM GENERAL	12/21/2016
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Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTER SIGNATURE:	NUMBER:	AAILDROP A700 PHOENIX, ARIZONA 85008 FSCC210CC01US MICHELLE A. SMOJVER /MICHELLE A. SMOJVER/	
Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I IAME OF SUBMITTEF IGNATURE: DATE SIGNED: Total Attachments: 32 ource=FSCC210CC01	NUMBER: R: US_201908	AAILDROP A700 PHOENIX, ARIZONA 85008 FSCC210CC01US MICHELLE A. SMOJVER /MICHELLE A. SMOJVER/	

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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 $\underline{\mathfrak{O}}I^{\underline{\mathfrak{C}}\underline{\mathfrak{C}}}_{\mathrm{day}}$ of $\underline{\widetilde{\mathfrak{C}}}\mathfrak{C}$ $\underline{\mathfrak{C}}\mathfrak{C}\mathfrak{C}\mathfrak{C}\mathfrak{C}$ 2016.

ASSIGNOR:

Fairchild (Taiwan) Orporation By:

Name: Moon Kuen Mak

Title: Director

In the presence of \underline{MM} (Witness) Name: Stacy Yoon

Title: Korea Sales manager

ACCEPTANCE OF ASSIGNMENT

The Assignce 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 Darage ber 2016

By:

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

STATE OF ARIZONA § § COUNTY OF MARICOPA §

On this 21^{C} day of 22226^{C} , 2016, before me a Notary Public in and for said county, personally appeared <u>George H. Cave</u> 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.



Desau Jequin-Teque Notary Public Hy Commission Epilos 9 Nov 2019

Exhibit A

"Listed Patents"

Patent No.	Country	Title
5,903,452	SN	Power C
6,135,718	US	Interface Apparatus for Fan Monitor and Control
6,185,082	SN	Protection Circuit for a Boost Power Converter
6,418,002	SN	Power Supply Supervisor Having a Line Voltage Detector
6,353,405	SN	
6,597,159	SN	Pulse Width Modulation Controller Having Frequency Modulation for Power Converter
6,545,882	SN	PWM Controller Having Off-time Modulation for Power Converter
6,501,666	SN	Method and Apparatus for Magnetic Amplifier to Reduce Minimum Load Requirement
6,611,439	SN	PWM Controller for Output Power Limit of a Power Supply
6,661,679	SN	PWM Controller Having Adaptive Off-time Modulation for Power Saving
6,674,656	SN	PWM Controller Having a Saw-limiter for Output Power Limit without Sensing Input Voltage
6,839,247	SN	PFC-PWM Controller Having a Power Saving Means
6,900,623	SN	Power Supply Having Multi-vector Error Amplifier for Power Factor Correction
6,812,769	SN	Switch Charge Multiplier-Divider
RE43,015	SN	Capacitive High-side Switch Driver for a Power Converter
RE40,844	SN	High-side Transistor Driver for Power Converters
7,057,440	SN	Multiplier-Divider Circuit for a PFC Controller
6,903,536	SN	
6,967,851	SN	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	SN	Low Dropout Voltage Regulator Providing Adaptive Compensation
7,088,598	US	Power-mode Control Circuitry for Power Converters
6,952,354	SN	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	\Box
7,362,592	SN	Switching Control Circuit for Primary-side-controlled Power Converters
7,061,780	SN	Switching Control Circuit with Variable Switching Frequency for Primary-side-controlled Power Converters
7259972	SN	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	SN	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	SN	Over-voltage Protection Circuit for Power Converter

Datast Na	Dounter/	Tilly
7,235,957	US	Power Supply with Current-sharing Control and Current-sharing Method Thereof
7,362,593	SN	Switching Control Circuit Having Off-time Modulation to Improve Efficiency of Primary-side Controlled Power Supply
7,151,681	SN	Multiple-sampling Circuit for Measuring Reflected Voltage and Discharge Time of a Transformer
7,116,565	US	
7,218,080	SN	Soft-Start Apparatus for Power Supplies
7,257,008	SN	Start-up Apparatus for Power Converters
7,274,251	SN	Apparatus and Method of Current Sharing
7,368,895	SN	Apparatus for a Power Supply with Brownout Protection and Protecting Method for the Same
7,498,788	SN	Switching Regulator Having Energy Saving Circuit
7,426,120	SN	Switching Control Circuit Having a Valley Voltage Dector to Achieve Soft Switching for Resonant Power Converters
7,466,569	SN	Power Converter Having Phase Lock Circuit for Quasi-resonant Soft Switching
7,149,098	SN	Over-Power Protection Apparatus with Programmable Over-current Threshold
7,256,675	SN	Energy Transfer Apparatus for Reducing Conductivity Electromagnetic Interference and Manufacturing Method Thereof
7,489,532	SN	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	SN	Controller for regulating output current at the primary side of a power supply
7,259,525	SN	
7,616,454	SN	Control Circuit Having Programmable Waveform for Output Power Limit of Power Converter
7,460,380	SN	Highly Efficient Switching Power Converter Using a Charge Pump to Power the Drive Circuit
7,414,865	SN	Controller Having Output Current Control for a Power Converter
7,492,613	SN	Control Circuit of Power Converter Having Adaptive Bias for Detecting Reflected Voltage of Transformer
7,173,835	S	Control Circuit Assocaited with Saturable Inductor Operated as Synchronous Rectifier for Forward Power Converter
7,489,529	SN	Control Circuit Having Frequency Modulation to Reduce EMI of Power Converters
7,577,002	SN	Control Circuit Including a Frequency Hopping to Reduce EMI of Power Supplies
7,564,903	Sn	Method and Apparatus for Measuring Reflected Voltage of Transformer
7,286,376	SN	Soft-switching Power Converter Having Power Saving Circuit for Light Load Operations
7,116,090	SN	Switching Control Circuit for Discontinuous Mode PFC Converters
7,352,595	SN	Primary-side Controlled Switching Regulator
7,561,447	SN	Primary-side Controlled Switching Regulator
7,245,089	SN	Switching LED Driver
7,245,090	SN	Switching LED Driver with Temperature Compensation to Program LED Current
7,286,123	SN	LED Drive Circuit Having Temperature Compensation
7,995,358	S	Control Circuit Including Adaptive Bias for Transformer Voltage Detection of a Power Converter
7,554,367	US	Driving Circuit

Datent No	Country	Titla
	US	Flyback Ballast for Fluorescent Lamp
7,365,997	SN	Synchronous Switching Control Circuit for Power Converters
7,310,244	US	Primary Side Controlled Switching Regulator
7,310,251	SN	Control Circuit having Two-level under Voltage Lockout to Improve the Protection of Power Supply
7,511,466	SN	Method and Apparatus for Predicting Discharge Time of Magnetic Device for Power Converter
7,570,038	SN	Control Circuit to Reduce Reverse Current of Synchronous Rectifier
7,615,976	SN	Switching Circuit of Power Converter Having Voltage-Clipping Device to Improve Efficiency
7,859,234	SN	n/Off of High Voltage Source
8,044,685	SN	Floating Driving Circuit
7,724,034	SN	Floating Driving Circuit
7,592,790	SN	Start-up Circuit with Feedforward Compensation for Power Converters
7,368,878	SN	
7,671,486	SN	Switching Controller Having Synchronous Input for the Synchronization of Power Converters
7,764,098	SN	
7,671,578	SN	Detection Circuit for Sensing the Input Voltage of Transformer
8415928	SN	Power Circuit
7,573,251	SN	AC-to-DC Voltage Regulator
7,701,734	SN	
7,602,160	SN	Method and Apparatus Providing Protection for Power Converter
7,847,533	SN	Apparatus Providing Protection for Power Converter
7,755,296	SN	A Resonant Inverter
7,471,523	SN	Method and Apparatus for Detecting Demagnetizing Time of Magnetic Device
7,592,793	SN	
7,486,528	SN	Linear-predict Sampling for Measuring Demagnetized Voltage of Transformer
7,440,298	SN	Synchronous Rectification Circuit for Power Converters
7,564,705	SN	Synchronous Rectification Circuit for Power Converters
7,349,229	SN	Causal Sampling Circuit for Measuring Reflected Voltage and Demagnetizing Time of Transformer
7,778,051	SN	
8,179,700	SN	Switching Control Circuit with Adaptive Minimum On Time for Power Converters
8154153	SN	Method and Apparatus for Providing Communication Channel through Output Cable of Power Supply
7,531,996	SN	Low Dropout Regulator with Wide Input Voltage Range
7,471,121	SN	Transistor Driver Circuit of Power Converter Operating in a Wide Voltage Range
7,313,004	SN	Switching Controller for Resonant Power Converter
7,622,827	SN	Switching Controller for Parallel Power Supply
7,633,183	SN	Method and Apparatus for Sharing Power of Parallel Power Supplies
7760478	SN	Method and Apparatus Providing Short Circuit Protection for Current Sense Terminal of Power Converter
7,800,927	SN	Method and Apparatus for Providing Compensations of Current Mode Power Converters
8,089,791	Sn	Compensation Circuit and Compensation Method for Current Mode Power Converters

Method and Apparatus of Providing a Biased Current Limit for Limiting Maximum Output Power of Power Converters	US	8576595
I and Apparatus of Providing a Biased Current Limit for	SN	8,045,351
Offline Synchronous Rectifying Circuit with Current Transformer for Soft Switching Power Converters	SN	8,004,862
Controller of LED Lighting to Control the Maximum Voltage of LEDs and the Maximum Voltage across Current Sources	SN	7,812,552
Offline Control Circuit of LED Driver to Control the Maximum Voltage and the Maximum Current of LEDs	SN	7,550,933
Offline Synchronous Switching Regulator	SN	7,800,923
of Providing Synchronous Regulation	SN	7,764,516
Method and Apparatus of Providing Synchronous Regulation Circuit for Offline Power Converter	US	7,796,407
Synchronous Regulation Circuit and Method for Providing Synchronous Regulation for Power Converters	SN	7,903,440
Synchronous Regulation Circuit	US	7,616,457
Synchronous Rectifying for Soft Switching Power Converters	US	8,072,787
Control Circuit for Multi-phases, Multi-channels PFC converter with Variable Switching Frequency	SN	7,626,372
Method and Apparatus for Synchronous Rectifying of Soft Switching Power Converters	US	7660136
Control Circuit for Synchronous Rectifying and Soft Switching of Power Converters	US	7,885,084
Control Circuit for Measuring and Regulating Output Current of CCM Power Converter	US	7,663,352
Synchronous Rectifying Circuit for Resonant Power Converters	SN	7701736
Synchronous Rectifying Circuit for Offline Power Converter	SN	7,974,108
Apparatus to Provide Synchronous Rectifying Circuit for Flyback Power Converters	SN	7787264
Method and Apparatus to Provide Synchronous Rectifying Circuit for Offline Power Converters	US	7701733
Method and Apparatus for Detecting Switching Current of Magnetic Device Operated at Continuous Current Mode	SN	7,518,416
integrated circuit controller for ballast	US	8729828
Switching Drive Circuit for Soft Switching	US	7,570,087
	US	7,936,087
Controller with Loop Impedance Modulation and Soft-start for Power Converter	SN	7,855,899
Control Circuit Having an Impedance Modulation Controlling Power Converter for Power Saving	US	7,940,035
Power Converter for Compensating a Maximum Output Power	SN	7,835,162
	US	7,652,463
PWM Controller for Compensating a Maximum Output Power of a Power Converter	SN	8,031,492
Power Converter for Compensating a Maximum Output Power and PWM Controller for the Same	SN	7643313
Power Converter Having PWM Controller for Maximum Output Power Compensation	US	7,710,095
Output Regulation Circuit of a Power Converter withtout Current Sensing Loss and Method Thereof	SN	8,279,638
Control Method and Circuit with Indirect Input Voltage Detection By Switching Current Slope Detection	SN	RE42,674
Control Method and Circuit with Indirect Input Voltage Detection by Switching Current Slope Detection	SN	7,616,461
Method and Apparatus for Detecting Input Voltage of Power Converter	SN	7,656,685
Title	Country	Patent No.

Patent No.	Country	Title
8503144	SN	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
8,093,993	SN	Power Saving Circuit for PWM Circuit
8,030,992	SN	Low-Pass Filter
8,094,468	SN	Control Circuit Having Off-time Modulation to Operate Power Converter at Quasi Resonance and in Continuous Current Mode
8,023,289	SN	Offline Synchronous Rectifier with Causal Circuit for Resonant Switching Power Converter
7,965,528	SN	Method and Apparatus for Measuring the Switching Current of Power Converter Operated at Continuous Current Mode
7,999,527	SN	Switching Controller Having Programmable Feedback Circuit for Power Converters
8085021	SN	
7,903,435	SN	Switching Controller Having Switching Frequency Hopping for Power Converter
8,482,391	SN	Wall Control Interface with Phase Modulation and Detection for Power Management
8,154,888	SN	Offline Synchronous Rectifier with Turn-On Arbiter and Phase-Lock for Switching Power Converters
9,148,060	SN	
7,881,076	SN	Buck-Boost PFC Converter
7,944,721	SN	Switching Control Circuit for Multi-channels and Multi-phases Power Converter Operated at Continuous Current Mode
7,983,061	SN	Switching Controleer Capable of Reducing Acoustic Noise for Power Converters
8,199,541	SN	
8710813	SN	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	SN	Asymmetrical Resonant Power Converter
8331114	SN	Flyback Power Converters
8649191	SN	Synchronous Rectifier having Phase Lock Circuit Coupled to Feedback Loop for Resonant Power Converters
8559196	SN	Output Voltage Control Circuit of Power Converter for Light-Load Power Saving
8451632	SN	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	SN	Switching Regulator Having Terminal for Feedback Signal Inputting and Peak Switching Current Programming
8351227	SN	Switching Controller for Power Converters

Patent No.	Country	Title
8,242,754	SN	Resonant Power Converter with Half Bridge and Full Bridge Operations and Method for Control Thereof
	SN	An Offline LED Drive Circuit with Dimming Control
8,269,432	SN	Offline LED Lighting Circuit with Dimming Control
8331070	SN	A Power Suppy with Oper-loop Protection
8513895	SN	High Efficiency LED Driver with Current Source Regulations
8767419	SN	Feedback Circuit with Feedback Impedance Modulation for Improving Power Saving
8,854,840	SN	Method and Apparatus to Improve Dynamic Response of the Synchronous Rectifying for Resonant Power Converters
8,742,677	SN	LED Drive Circuit with a Programmable Input for LED Lighting
8,164,928	SN	Method and Apparatus of Operating a Primary-side-regulation Power Converter at Both Continuous Current Mode
		and Discontinuous Current Mode
8,854,841	SN	High Speed Reflected Signal Detection for Primary-side Conrolled Power Converters
8482937	SN	Switching Control Circuit with Valley Lock for Power Converters
8542507	SN	Adaptive Synchronous Rectification Control Method and Apparatus
8665621	SN	Power Supply with Open-Loop Protection and Short-Circuit Protection
8767417	SN	Dual Switches Flyback Power Converter with Wide Input Voltage Range
8698474	SN	A Start-Up Circuit with Low Standby Power Loss for Power Converters
8625313	SN	High-side Synchronous Rectifier Circuits and control circuits for Power Converters
8649129	SN	Method and Apparatus of Providing Over-temperature Protection for Power Converters
8593833	SN	Method and Apparatus for a Flyback Power Converter Providing Output Voltage and Current Regulation without Input Capacitor
8482268	SN	A Correction Circuit of a Switching-Current Sample for Power Converters in Both CCM and DCM Operation
8587964	SN	Control Circuit with Burst Mode and Extended Valley Switching for Quasi- Resonant Power Converter
8488338	SN	Controller with Valley Switching and Limited Maximum Frequency for Quasi-resonant Power Converters
8432109	SN	Method and Apparatus for an Offline LED Driver with High Power Factor
8471626	SN	Start-up Circuit to Discharge EMI Filter of Power Supplies
8780515	SN	Control Circuit with Protection Circuit for Power Supply
8669728	SN	Angle Detection Apparatus and Method for Rotor of Motor
8,670,248	SN	A Primary-side Controlled Power Converter with an RC Network and Method Thereof
8711583	SN	Single-Stage PFC Converter with Constant Voltage and Constant Current
9,306,459	SN	Control Circuit for Burst Switching of Power Converter and Method Thereof
9,142,952	SN	Multi-Function Terminal of Power Supply Controller for Feedback Signal Input and Over-Temperature Protection
8,866,512	SN	A Feedback Terminal of Power Converter Having Programming Function for Parameter Setting
8,664,998	SN	An Adaptive Filter for Sampling the Reflected Voltage of Transformer of a Power Converter
8730687	SN	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

8531210		Monolithic High-Side Switch Control Circuit
8749999	SN	Controller and Power Converter Using the Same for Clamping Maximum Switching Current of Power Converter
7,850,217	SN	Equidistance Pick-and-Place Device for ICs
7,888,835	SN	Rotating Shaft and Motor Rotor Having the Same
7,723,887	SN	Motor Rotor
D595,740	SN	Rotor End Cover
D590,339	SN	Controller with DC Brushless Motor
8587172	SN	Method of Fastening Detector and Fastening Bracket Used Therewith
8508091	SN	End Cover and Motor Rotor Having the END Cover
8,050,057	SN	Mounting Structure for an Electronic Element
7,169,661	SN	Process of Fabricating High Resistance CMOS Resistor
6,995,428	SN	High Voltage LDMOS Transistor Having an Isolated Structure
7,205,201	SN	
7,858,466	SN	Different-Voltage Device Manufactured by a CMOS Compatible Process and High-Voltage Device Used in the
	,	Different-Voltage Device
7,102,194	SN	igh Voltage and Low C
7,285,837	US	Electrostatic Discharge Device Integrated with Pad
7,042,028	US	
7,417,287	US	Electrostatic Discharge Device Having Controllable Trigger Voltage
7,355,250	SN	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	SN	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	SN	
		Method for Manufacturing the Same
8,124,466	US	Process for Manufacturing Voltage-controlled Transistor
7,911,031	Sn	Voltage-controlled Semiconductor Structure, Resistor, and Manufacturing Processes Thereof
8,125,008	SN	Schottky Device and Process of Making the Same
7,655,990	Sn	Voltage-Clipping Device with High Breakdown Voltage
7732890	SN	Integrated Circuit with High Voltage Junction Structure
8558349	Sn	Integrated Circuit for a High-side Transistor Driver
7,834,400	SN	Semiconductor structure for protecting an internal integrated circuit and method for manufacturing the same
8492801	SN	Semiconductor Structure with High Breakdown Voltage and Resistance and Method for Manufacturing the Same
7,888,704	SN	Semiconductor Device for Electrostatic Discharge Protection

Patent No.	Country	Title
9,184,097	US	Semiconductor Devices and Formation Methods Thereof
8373953		ECD Cominanduror Structure
8354698	SU	Semiconductor Device
8816753	US	Trim Circuit for Power Supply Controller
8649194	SN	Electro-Magnetic Interference Reduction Circuit for Power Converters and Method Thereof
8,654,546	SN	
9,007,786	SN	Switching Controller for Flyback Power Converters without Input Capacitor
9,337,737	SN	Control Circuit with Fast Dynamic Response for Power Converters
9,306,464	SN	Synchronous Rectifier Control Circuits of Power Converters
9,219,432	SN	Control Systems and Methods for Angle Estimation of Permanent Magnet Motors
8,934,266	SN	ADAPTIVE SLOPE COMPENSATION PROGRAMMABLE BY INPUT VOLTAGE OF POWER CONVERTER
9,270,184	SN	Control Circuit and Terminal for Cable Compensation and Wake-up of Primary-side Regulated Power Converter
8,902,999	SN	Isolation Interface Circuit for Power Management
9,077,258	SN	Regulation Circuit Associated with Synchronous Rectifier Providing Cable Compensation for the Power Converter and Method Thereof
9,344,002	SN	Adaptive Sampling Circuit for Detecting the Demagnetized Voltage of the Transformer
9,337,713	SN	
9,159,450	SN	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	SN	Charge Pump Circuit having Frequency Synchronization with Switching Frequency of Power Converters
9,184,665	SN	Control Circuit of Power Converter with Temperature Control and Method for Controlling Power Converter
9,343,982	SN	A Primary-Side Controlled Programmable Power Converter
9,280,192	SN	Programmable Power Supply
9,218,737	SN	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	SN	High-Side Signal Sensing Circuit
9,407,141	SN	Control Circuit of Power Converter and Method Therefore
9,236,806	SN	Method and Apparatus for Controlling Programmable Power Converter with Low Standby Power Loss
9,252,676	SN	Adaptive Active Clamp of Flyback Power Converter with High Efficiency for Heavy Load and Light Load
9,276,483	SN	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	SN	Control Circuit for Offline Power Converter without Input Capacitor

Patent No.	Country	Title
8,760,099	US US	Sensorless Motor Apparatus, Back EMF Detector and Detection Method Thereof
8659916	SU	Control Circuit with ZVS-lock and Asymmetrical PWM for Resonant Power Converter
8729930	SN	Successive Approximation Multiplier-Divider for Signal Process and Method for Signal Process
9,049,764	SN	LED Drive Circuit with a Programmable Input for LED Lighting
9,379,616	SN	Control circuit with deep burst mode for power converter
9628068	SN	Control Circuit for Controlling the Maximum Output Current of Power Converter
9,141,118	SN	
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	
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 Dector 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		

	Patent No.	Country	Title
Taiwan Taiwan	1291801	Taiwan	
Taiwan Taiwan			it at the phillary side of a
Taiwan Taiwan	1308034	laiwan	High Efficiency Switching LED Driver
Taiwan <td>1306325</td> <td>Taiwan</td> <td>Control Circuit Having Programmable Waveform for Output Power Limit of Power Converter</td>	1306325	Taiwan	Control Circuit Having Programmable Waveform for Output Power Limit of Power Converter
Taiwan <td>8520258</td> <td>Taiwan</td> <td>Highly Efficient Switching Power Converter Using a Charge Pump to Power the Drive Circuit</td>	8520258	Taiwan	Highly Efficient Switching Power Converter Using a Charge Pump to Power the Drive Circuit
Taiwan <td>1304288</td> <td>Taiwan</td> <td></td>	1304288	Taiwan	
Taiwan	1377774	Taiwan	Controller Having Output Current Control for a Power Converter
Taiwan	7602121	Taiwan	Control Circuit of Power Converter Having Adaptive Bias for Detecting Reflected Voltage of Transformer
Taiwan Taiwan	826308	Taiwan	Control Circuit Assocaited with Saturable Inductor Operated as Synchronous Rectifier for Forward Power Converter
Taiwan <td>1352487</td> <td>Taiwan</td> <td>Control Circuit Having Frequency Modulation to Reduce EMI of Power Converters</td>	1352487	Taiwan	Control Circuit Having Frequency Modulation to Reduce EMI of Power Converters
Taiwan	1312923	Taiwan	Control Circuit Including a Frequency Hopping to Reduce EMI of Power Supplies
Taiwan	1299404	Taiwan	Method and Apparatus for Measuring Reflected Voltage of Transformer
Taiwan	8602121	Taiwan	
Taiwan	1283805	Taiwan	
Taiwan	1320260	Taiwan	Primary-side Controlled Switching Regulator
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1928161	Taiwan	Driver with Temperature Compensation to Pro
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1274315	Taiwan	uit Having Temperature Compensation
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1347069	Taiwan	Control Circuit Including Adaptive Bias for Transformer Voltage Detection of a Power Converter
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1335710	Taiwan	Driving Circuit
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1332608	Taiwan	Switching Power Converter with Transformer Arrangement
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1378631	Taiwan	f
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1318850	Taiwan	Flyback Ballast for Fluorescent Lamp
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	6655181	Taiwan	Synchronous Switching Control Circuit for Power Converters
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1313096	Taiwan	Primary Side Controlled Switching Regulator
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1317199	Taiwan	Control Circuit having Two-level under Voltage Lockout to Improve the Protection of Power Supply
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1315812	Taiwan	Method and Apparatus for Predicting Discharge Time of Magnetic Device for Power Converter
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1329408	Taiwan	Control Circuit to Reduce Reverse Current of Synchronous Rectifier
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1313095	Taiwan	
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1326961	Taiwan	Switch Circuit to Control On/Off of High Voltage Source
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1316322	Taiwan	High Voltage Start-up Circuit for Power Converters
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1418146	Taiwan	Floating Driving Circuit
Taiwan Taiwan Taiwan Taiwan Taiwan Taiwan	1324430	Taiwan	Compensation for Power
Taiwan Taiwan Taiwan Taiwan Taiwan	1344319	Taiwan	
Taiwan Taiwan Taiwan Taiwan	1347802	Taiwan	Resonant Ballast Circuit
Taiwan Taiwan Taiwan	1347800	Taiwan	High Effieciency Resonant Ballast
Taiwan Taiwan	189931	Taiwan	Switching Controller Having Synchronous Input for the Synchronization of Power Converters
Taiwan Detection Circuit for Sensing the Input Voltage	1351808	Taiwan	Start-up Circuit of Power Converter
	1344748	Taiwan	Detection Circuit for Sensing the Input Voltage of Transformer

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	
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	of Providing Synchronous Regulation
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
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	
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	
1369056	Taiwan	Switching Controleer Capable of Reducing Acoustic Noise for Power Converters
1395084	Taiwan	
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
7808651	Taiwan	Switching Circuit for Primary-side Regulated Resonant Power Converters
1441436	Taiwan	
1426694	Taiwan	Soft Switching Power Converter with a Variable Switching Frequency for Improving Operation and Efficiency
000000000000000000000000000000000000000	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	
1420966	Taiwan	An Offline LED Drive Circuit with Dimming Control
1406591	Taiwan	Offline LED Lighting Circuit with Dimming Control
1425751	Taiwan	A Power Suppy with Oper-loop Protection
1414143	Taiwan	ut Impedance Soft
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 Conrolled Power Converters
1482976	Taiwan	Method and Apparatus for Detecting CCM operation of a Magnetic Device

Patent No.	Country	Title
416852	Taiwan	Switching Control Circuit with Valley Lock for Power Converters
499194	Taiwan	Adaptive Synchronous Rectification Control Method and Apparatus
454007	Taiwan	Method and Apparatus of Short-Circuit Protection for Power Converters
472131	Taiwan	Active-Clamp Circuit for Quasi Resonant Flyback Power Converter
469488	Taiwan	Dual Switches Flyback Power Converter with Wide Input Voltage Range
472134	Taiwan	A Start-Up Circuit with Low Standby Power Loss for Power Converters
436571	Taiwan	High-side Synchronous Rectification Circuit for Power Converters
422132	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
1436190	Taiwan	
436190	laiwan	A correction circuit of a switching-current sample for Power converters in Both ccm and bcm Operation
484736	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
452926	Taiwan	Method and Apparatus for an Offline LED Driver with High Power Factor
456877	Taiwan	Start-up Circuit to Discharge EMI Filter of Power Supplies
452807	Taiwan	Adaptive Filter Circuit for Sampling a Reflected Voltage of Transformer in a Power Converter and Method for
473404	Taiwan	A Control Circuit for Burst Switching of Power Converter and Method Thereof
1525972	Taiwan	
536718	Taiwan	A Feedback Terminal of Power Converter Having Programming Function for Parameter Setting
525978	Taiwan	An Adaptive Filter for Sampling the Reflected Voltage of Transformer of a Power Converter
458229	Taiwan	A Switching Control Circuit with Valley-Lock Switching and Limited Maximum Frequency for Quasi-Resonant Power Converters and Method thereof
445443	Taiwan	Control Circuit and Control Method for Dimming LED Lighting Circuit
359474	Taiwan	
472466	Taiwan	A Pick-and Place Device for Ics
343688	Taiwan	Rotating Shaft and Motor Rotor Having the Same
356562	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
434489	Taiwan	Motor Rotor and a Motor Having the Same
406493	Taiwan	Constant-Speed Control Circuit for BLDC Motors
249851	Taiwan	High Voltage and Low On-resistance LDMOS Having Equalized Capacitance
235492	Taiwan	High Voltage LDMOS Transistor Having an Isolated Structure
288470	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 Mosfet 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-Clipping 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
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

US2951 Tawan Optimum, Morbid and Apparatus of Critical Grant Control Control For Power Converter IS20926 Tawan Method and Apparatus for Control Top Power Converter IS20926 Tawan Method and Apparatus for Detecting Peasitons for Motor IS20927 Tawan Adaptive Standard for Detecting Peasitons for Motor IS20927 Tawan Adaptive Standard for Detecting Peasitons for Motor IS20927 Tawan Adaptive Standard for Detecting Peasitons for Motor IS20927 Tawan Adaptive Standard for Detecting Peasitons for Motor IS20927 Tawan Regulation Circuit for Dever Convertes IS20927 Tawan Asampling Circuit for Measuring the Reflected Voltage of Transformer for Power Converters IS20927 Tawan A Sampling Circuit for Measuring Pomp Circuit for Obewer Converters IS20927 Tawan Method and Apparatus for Converters	Patent No.	Country	Title
TaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanAATaiwan <td< td=""><td>1525981 1520474</td><td>Taiwan</td><td>System, Method and Apparatus of Sensor-Less Field Oriented Control for Permanent Magnet Motor A Primary Side Regulation Control Circuit of a Power Converter</td></td<>	1525981 1520474	Taiwan	System, Method and Apparatus of Sensor-Less Field Oriented Control for Permanent Magnet Motor A Primary Side Regulation Control Circuit of a Power Converter
TaiwanMTaiwanTaiwanTaiwanATaiwanATaiwanATaiwanATaiwanTaiwanTaiwanAAATaiwanAAA </td <td>1509956</td> <td>Taiwan</td> <td>Control Circuit for an Inverter with Small Input Capacitor</td>	1509956	Taiwan	Control Circuit for an Inverter with Small Input Capacitor
TaiwanCTaiwanTaiwanTaiwanATaiwanATaiwanATaiwanMTaiwanMTaiwanMTaiwanA<	1525969	Taiwan	Method and Apparatus for Controlling Resonant Power Converter
TaiwanIsiTaiwanTaiwanTaiwanATaiwanATaiwanATaiwanA <td>1525984</td> <td>Taiwan</td> <td>Circuit and Method for Detecting Positions for Motor</td>	1525984	Taiwan	Circuit and Method for Detecting Positions for Motor
TaiwanATaiwanAATaiwanAT	1506952	Taiwan	Isolation Interface Circuit for Power Management
TaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanCTaiwanTaiwanCCTaiwanCTaiw	1469478	Taiwan	iput Voltage
TaiwanTaiwanTaiwanTaiwanTaiwanTaiwanTaiwanTaiwanTaiwanTaiwanTaiwanTaiwanTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanCC </td <td>1493847</td> <td>Taiwan</td> <td>Regulation Circuit Associated with Synchronous Rectifier Providing Cable Compensation for the Power Com</td>	1493847	Taiwan	Regulation Circuit Associated with Synchronous Rectifier Providing Cable Compensation for the Power Com
TaiwanTaiwanTaiwanTaiwanTaiwanATaiwanTaiwanATaiwanTaiwanTaiwanTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanTaiwanATaiwanAATaiwanA <td>1499192</td> <td>Taiwan</td> <td></td>	1499192	Taiwan	
TaiwanATaiwanTaiwanATaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanCTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanM <td>1499178</td> <td>Taiwan</td> <td>Two-Switch Flyback Power Converters</td>	1499178	Taiwan	Two-Switch Flyback Power Converters
TaiwanTaiwanATaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanCTaiwanTaiwanCTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanTaiwanMTaiwanMTaiwanTaiwanMMTaiwan <td>1502867</td> <td>Taiwan</td> <td>A Sampling Circuit for Measuring the Reflected Voltage of Transformer for Power Converter</td>	1502867	Taiwan	A Sampling Circuit for Measuring the Reflected Voltage of Transformer for Power Converter
Taiwan Transistor Gate Driver with Charge Pump Circuit for Offline P Taiwan Method and Apparatus for Controlling Programmable Power (Control Circuit of Power Converter with Temperature Control and Methods Taiwan Circuit of Power Converter with Temperature Control and Methods Taiwan Control Circuit for Active Clamp Flyback Power Converter with Temperature Converter with Temperature Converter with Taiwan Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Interface Circuit for Cascade and Series Battery Managemei Taiwan Control Circuit for Charging Battery through Programmable Po Taiwan Interface Circuit for Charging Battery through Programmable Pi Taiwan Control Circuit for Charging Battery through Programmable Po Taiwan Active-clamp circuit Taiwan Control Circuit for Power Converter and Method Therefore Taiwan Method and Apparatus for Controlling Programmable Power Converter Taiwan Control Circuit for Programmable Power Converter with High eff Taiwan Method and Apparatus of Power Converter with High eff Taiwan Method and Apparatus of Power Converter with Taiwan Taiwan<	1531147	Taiwan	
Taiwan Method and Apparatus for Controlling Programmable Power G Taiwan Circuit of Power Converter with Temperature Control and Met Taiwan Control Circuit for Active Clamp Flyback Power Converter with Taiwan The Control Means Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Control Circuit of Synchronous Rectifier with Period Lock Fun Taiwan Interface Circuits for Cascade and Series Battery Managemen Taiwan Active-clamp of control Circuit of Power Converter and Method Therefore Taiwan Control Circuit for Charging Battery through Programmable Power G Taiwan Method and Apparatus for Controlling Programmable Power G Taiwan Method and Apparatus for Controlling Programmable Power G Taiwan Active-clamp of flyback power converter with high eff Taiwan Adaptive active clamp of Frequency Modulation for Power Sa Taiwan Method and Apparatus of Power Saving for Power Converter with Taiwan Control Circuit for Active-Clamp Flyback Power Converter with Taiwan	1520470	Taiwan	
Taiwan Control Circuits and Generation Methods Taiwan Circuit of Power Converter with Temperature Control and Met Taiwan The Control Means Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Control Circuit of Synchronous Rectifier with Period Lock Fun Taiwan Interface Circuits for Cascade and Series Battery Managemen Taiwan Active-clamp circuit Taiwan Control Circuit for Charging Battery through Programmable Po Taiwan Active-clamp of flyback power Converter and Method Therefore Taiwan Control Circuit for Programmable Power Gonverter Taiwan Active active clamp of flyback power converter with high eff Taiwan Adaptive active clamp of Frequency Modulation for Power Sc Taiwan Method and Apparatus of Power Saving for Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converter with Taiwan Control Circuit for Offline Power Converter without Input Capa<	1495236	Taiwan	Method and Apparatus for Controlling Programmable Power Converter
Taiwan Circuit of Power Converter with Temperature Control and Met Taiwan Control Circuit for Active Clamp Flyback Power Converter with Taiwan The Control Means Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Method and Apparatus for Programming a Programmable Po Taiwan Control Circuit of Synchronous Rectifier with Period Lock Fun Taiwan Interface Circuits for Cascade and Series Battery Managemen Taiwan Control Circuit of Power Converter and Method Therefore Taiwan Control Circuit for Charging Battery through Programmable Po Taiwan Active-clamp circuit Taiwan Control Circuit for Converter and Method Therefore Taiwan Control Circuit for Programmable Power Converter with Adaptive active clamp of flyback power converter with high eff Taiwan Adaptive active clamp of flyback power converter with high eff Taiwan Method and Apparatus of Frequency Modulation for Power Sa Taiwan Control Circuit for Active-Clamp Flyback Power Converter with high eff Taiwan Method and Apparatus of Power Saving for Power Converter with a Method and Apparatus of Power Saving for Power Converter with a Sensorless Motor Apparatus, Back EMF Detector and Detector T	1506927	Taiwan	Control Circuits and Generation Methods
TaiwanControl Circuit for Active Clamp Flyback Power Converter withTaiwanThe Control MeansTaiwanMethod and Apparatus for Controlling Wireless Induction PowTaiwanMethod and Apparatus for Programming a Programmable PoTaiwanControl Circuit of Synchronous Rectifier with Period Lock Funand CCMTaiwanTaiwanInterface Circuits for Cascade and Series Battery ManagemenTaiwanControl Circuit for Charging Battery through Programmable PoTaiwanControl Circuit for Charging Battery through Programmable PTaiwanControl Circuit of Power Converter and Method ThereforeTaiwanControl Circuit for Programmable Power SupplyTaiwanMethod and Apparatus for Controlling Programmable Power ConverterTaiwanControl Circuit for Programmable Power SupplyTaiwanMethod and Apparatus of Frequency Modulation for Power SoTaiwanMethod and Apparatus of Frequency Modulation for Power SoTaiwanMethod and Apparatus of Power Saving for Power Converter withTaiwanMethod and Apparatus of Power SoTaiwanMethod and Apparatus of Power SoTaiwanMethod and Apparatus of Power SoTaiwanMethod and Apparatus of Power Converter with high effTaiwanMethod and Apparatus of Power Converter to apparatus of Power Converter with for Power Converter SoTaiwanMethod and Apparatus of Power SoTaiwanMethod and Apparatus of Power Converter without Input CapaTaiwanMethod and Apparatus of Power Converter without Input CapTaiwanMethod	1525973	Taiwan	
Taiwan The Control Means Taiwan Method and Apparatus for Controlling Wireless Induction Pow Taiwan Method and Apparatus for Programming a Programmable Po Taiwan Control Circuit of Synchronous Rectifier with Period Lock Fun Taiwan Interface Circuits for Cascade and Series Battery Managemei Taiwan Interface Circuits for Charging Battery through Programmable Pi Taiwan Control Circuit for Charging Battery through Programmable Pi Taiwan Active-clamp circuit Taiwan Control Circuit of Power Converter and Method Therefore Taiwan Method and Apparatus for Controlling Programmable Power (Taiwan Method and Apparatus for Controlling Programmable Power Converter Taiwan Method and Apparatus of Frequency Modulation for Power Supply Taiwan Adaptive active clamp of flyback power converter with high eff Taiwan Method and Apparatus of Frequency Modulation for Power Supply Taiwan Method and Apparatus of Frequency Modulation for Power Supply Taiwan Method and Apparatus of Frequency Modulation for Power Super Converter with Taiwan Control Circuit for Offline Power Converter with high eff Taiwan Method and Appa	1509970	Taiwan	Control Circuit for Active Clamp Flyback Power Converter with Predicted Timing Control
TaiwanMethod and Apparatus for Controlling Wireless Induction PowTaiwanMethod and Apparatus for Programming a Programmable PoTaiwanControl Circuit of Synchronous Rectifier with Period Lock Funand CCMInterface Circuits for Cascade and Series Battery ManagemeiTaiwanInterface Circuits for Cascade and Series Battery ManagemeiTaiwanControl Circuit for Charging Battery through Programmable PiTaiwanActive-clamp circuitTaiwanControl Circuit of Power Converter and Method ThereforeTaiwanMethod and Apparatus for Controlling Programmable Power (TaiwanMethod and Apparatus for Controlling Programmable Power ConverterTaiwanControl Circuit for Programmable Power SupplyTaiwanMethod and Apparatus of Frequency Modulation for Power SoTaiwanMethod and Apparatus of Frequency Modulation for Power SoTaiwanControl Circuit for Active-Clamp Flyback Power Converter withTaiwanControl Circuit for Offline Power Saving for Power Converter withTaiwanMethod and Apparatus of Power Saving for Power Converter withTaiwanControl Circuit for Offline Power Saving for Power Converter withTaiwanMethod and Apparatus of Power Saving for Power Converter with high effTaiwanMethod and Apparatus of Power Saving for Power Converter withTaiwanMethod and Apparatus of Power Saving for Power Converter SavingTaiwanMethod and Apparatus of Power Saving for Power Converter withTaiwanMethod and Apparatus of Power Saving for Power Saving for Power Saving Save Sensorless Motor Apparatus, Ba	1528691	Taiwan	
TaiwanMethod and Apparatus for Programming a Programmable PoTaiwanControl Circuit of Synchronous Rectifier with Period Lock Funand CCMInterface Circuits for Cascade and Series Battery ManagemeiTaiwanInterface Circuits for Charging Battery through Programmable PTaiwanControl Circuit for Charging Battery through Programmable PTaiwanActive-clamp circuitTaiwanControl Circuit of Power Converter and Method ThereforeTaiwanControl Circuit for Programmable Power Converter and Method ThereforeTaiwanControl Circuit for Programmable Power Converter with high effTaiwanAdaptive active clamp of flyback power converter with high effTaiwanMethod and Apparatus of Frequency Modulation for Power SaTaiwanControl Circuit for Active-Clamp Flyback Power Converter withTaiwanControl Circuit for Active-Clamp Flyback Power Converter withTaiwanMethod and Apparatus of Power Saving for Power Converter withTaiwanControl Circuit for Offline Power Converter without Input CapaTaiwanMethod and Apparatus of Power Converter without Input CapaTaiwanControl Circuit f	1539712	Taiwan	Method and Apparatus for Controlling Wireless Induction Power Supply
TaiwanControl Circuit of Synchronous Rectifier with Period Lock Fun and CCMTaiwanInterface Circuits for Cascade and Series Battery Managemei TaiwanTaiwanControl Circuit for Charging Battery through Programmable PTaiwanActive-clamp circuitTaiwanControl Circuit of Power Converter and Method Therefore TaiwanTaiwanMethod and Apparatus for Controlling Programmable Power Converter TaiwanTaiwanMethod and Apparatus for Controlling Programmable Power Converter TaiwanTaiwanAdaptive active clamp of flyback power converter with high eff TaiwanTaiwanPower Converter and Method for Controlling Power Converter TaiwanTaiwanMethod and Apparatus of Frequency Modulation for Power Sa TaiwanTaiwanControl Circuit for Active-Clamp Flyback Power Converter with TaiwanTaiwanMethod and Apparatus of Power Saving for Power Converter with 	1514125	Taiwan	Method and Apparatus for Programming a Programmable Power Supply
TaiwanInterface Circuits for Cascade and Series Battery ManagemerTaiwanControl Circuit for Charging Battery through Programmable PoTaiwanActive-clamp circuitTaiwanControl Circuit of Power Converter and Method ThereforeTaiwanMethod and Apparatus for Controlling Programmable Power OTaiwanControl Circuit for Programmable Power SupplyTaiwanControl Circuit for Programmable Power Converter with high effTaiwanAdaptive active clamp of flyback power converter with high effTaiwanPower Converter and Method for Controlling Power ConverterTaiwanMethod and Apparatus of Frequency Modulation for Power SaTaiwanControl Circuit for Active-Clamp Flyback Power Converter with TaiwanTaiwanMethod and Apparatus of Power Saving for Power ConverterTaiwanControl Circuit for Offline Power Converter without Input CapaTaiwanSensorless Motor Apparatus, Back EMF Detector and DetectiTaiwanUnder-Voltage Protection Circuit for Programmable Power Converter withTaiwanA Primary Side Regulated Programmable Power Converter with	1516009	Taiwan	ircuit of Synchronous Rectifier with Period Lock Fun
TaiwanControl Circuit for Charging Battery through Programmable PcTaiwanActive-clamp circuitTaiwanControl Circuit of Power Converter and Method ThereforeTaiwanMethod and Apparatus for Controlling Programmable Power CTaiwanControl Circuit for Programmable Power SupplyTaiwanAdaptive active clamp of flyback power converter with high effTaiwanPower Converter and Method for Controlling Power ConverterTaiwanPower Converter and Method for Controlling Power ConverterTaiwanMethod and Apparatus of Frequency Modulation for Power SaTaiwanControl Circuit for Active-Clamp Flyback Power Converter withTaiwanMethod and Apparatus of Power Saving for Power Converter withTaiwanControl Circuit for Offline Power Converter without Input CapaTaiwanControl Circuit for Apparatus, Back EMF Detector and DetectiTaiwanSensorless Motor Apparatus, Back EMF Detector and DetectiTaiwanUnder-Voltage Protection Circuit for Programmable Power Converter with	1479771	Taiwan	Interface Circuits for Cascade and Series Battery Management and Methods Thereof
TaiwanActive-clamp circuitTaiwanControl Circuit of Power Converter and Method ThereforeTaiwanMethod and Apparatus for Controlling Programmable Power CTaiwanControl Circuit for Programmable Power SupplyTaiwanAdaptive active clamp of flyback power converter with high effTaiwanPower Converter and Method for Controlling Prower ConverterTaiwanPower Converter and Method for Controlling Power ConverterTaiwanMethod and Apparatus of Frequency Modulation for Power SaTaiwanControl Circuit for Active-Clamp Flyback Power Converter withTaiwanMethod and Apparatus of Power Saving for Power Converter withTaiwanControl Circuit for Offline Power Converter without Input CapaTaiwanSensorless Motor Apparatus, Back EMF Detector and DetectiTaiwanUnder-Voltage Protection Circuit for Programmable Power Converter withoutTaiwanA Primary Side Regulated Programmable Power Converter without	1550997	Taiwan	Control Circuit for Charging Battery through Programmable Power Supply
TaiwanControl Circuit of Power Converter and Method ThereforeTaiwanMethod and Apparatus for Controlling Programmable Power GTaiwanControl Circuit for Programmable Power SupplyTaiwanAdaptive active clamp of flyback power converter with high effTaiwanPower Converter and Method for Controlling Power ConverterTaiwanPower Converter and Method for Controlling Power ConverterTaiwanMethod and Apparatus of Frequency Modulation for Power SaTaiwanControl Circuit for Active-Clamp Flyback Power Converter withTaiwanMethod and Apparatus of Power Saving for Power Converter saTaiwanMethod and Apparatus of Power Saving for Power Converter saTaiwanControl Circuit for Offline Power Converter without Input CapaTaiwanSensorless Motor Apparatus, Back EMF Detector and DetectiTaiwanUnder-Voltage Protection Circuit for Programmable Power Converter withoutTaiwanA Primary Side Regulated Programmable Power Converter without	1499191	Taiwan	
Taiwan Method and Apparatus for Controlling Programmable Power C Taiwan Control Circuit for Programmable Power Supply Taiwan Adaptive active clamp of flyback power converter with high eff Taiwan Power Converter and Method for Controlling Power Converter Taiwan Method and Apparatus of Frequency Modulation for Power Saving for Power Converter with Taiwan Control Circuit for Active-Clamp Flyback Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converters Taiwan Control Circuit for Offline Power Converter without Input Capa Taiwan Sensorless Motor Apparatus, Back EMF Detector and Detecti Taiwan Under-Voltage Protection Circuit for Programmable Power Converter with Taiwan A Primary Side Regulated Programmable Power Converter with	1533578	Taiwan	Control Circuit of Power Converter and Method Therefore
Taiwan Control Circuit for Programmable Power Supply Taiwan Adaptive active clamp of flyback power converter with high eff Taiwan Power Converter and Method for Controlling Power Converter Taiwan Method and Apparatus of Frequency Modulation for Power Sa Taiwan Control Circuit for Active-Clamp Flyback Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converter with Taiwan Method and Apparatus of Power Converter with Taiwan Method and Apparatus of Power Converter with Taiwan Control Circuit for Offline Power Converter without Input Capa Taiwan Control Circuit for Apparatus, Back EMF Detector and Detecti Taiwan Under-Voltage Protection Circuit for Programmable Power Converter w Taiwan A Primary Side Regulated Programmable Power Converter w	1513159	Taiwan	Power (
Taiwan Adaptive active clamp of flyback power converter with high eff Taiwan Power Converter and Method for Controlling Power Converter Taiwan Method and Apparatus of Frequency Modulation for Power Sa Taiwan Control Circuit for Active-Clamp Flyback Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converter with Taiwan Method and Apparatus of Power Converter without Input Capa Taiwan Control Circuit for Offline Power Converter without Input Capa Taiwan Sensorless Motor Apparatus, Back EMF Detector and Detecti Taiwan Under-Voltage Protection Circuit for Programmable Power Converter w Taiwan A Primary Side Regulated Programmable Power Converter w	1513162	Taiwan	Control Circuit for Programmable Power Supply
Taiwan Power Converter and Method for Controlling Power Converter Taiwan Method and Apparatus of Frequency Modulation for Power Sa Taiwan Control Circuit for Active-Clamp Flyback Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converters Taiwan Control Circuit for Offline Power Converter without Input Capa Taiwan Sensorless Motor Apparatus, Back EMF Detector and Detecti Taiwan Under-Voltage Protection Circuit for Programmable Power Converter w Taiwan A Primary Side Regulated Programmable Power Converter w	1525975	Taiwan	Adaptive active clamp of flyback power converter with high efficiency for heavy load and light load
Taiwan Method and Apparatus of Frequency Modulation for Power Sa Taiwan Control Circuit for Active-Clamp Flyback Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converters Taiwan Method and Apparatus of Power Saving for Power Converters Taiwan Control Circuit for Offline Power Converter without Input Capa Taiwan Sensorless Motor Apparatus, Back EMF Detector and Detecti Taiwan Under-Voltage Protection Circuit for Programmable Power Su Taiwan A Primary Side Regulated Programmable Power Converter w	1496406	Taiwan	Power Converter and Method for Controlling Power Converter
Taiwan Control Circuit for Active-Clamp Flyback Power Converter with Taiwan Method and Apparatus of Power Saving for Power Converters Taiwan Control Circuit for Offline Power Converter without Input Capa Taiwan Control Circuit for Offline Power Converter without Input Capa Taiwan Sensorless Motor Apparatus, Back EMF Detector and Detecti Taiwan Under-Voltage Protection Circuit for Programmable Power Su Taiwan A Primary Side Regulated Programmable Power Converter w	1523386	Taiwan	Method and Apparatus of Frequency Modulation for Power Saving of Adaptive Power Converter
Taiwan Method and Apparatus of Power Saving for Power Converters Taiwan Control Circuit for Offline Power Converter without Input Capa Taiwan Sensorless Motor Apparatus, Back EMF Detector and Detecti Taiwan Under-Voltage Protection Circuit for Programmable Power Su Taiwan A Primary Side Regulated Programmable Power Converter w	1523394	Taiwan	Control Circuit for Active-Clamp Flyback Power Converter with Programmable Switching Period
Taiwan Control Circuit for Offline Power Converter without Input Capa Taiwan Sensorless Motor Apparatus, Back EMF Detector and Detecti Taiwan Under-Voltage Protection Circuit for Programmable Power Su Taiwan A Primary Side Regulated Programmable Power Converter w	1502864	Taiwan	Method and Apparatus of Power Saving for Power Converters
Taiwan Sensorless Motor Apparatus, Back EMF Detector and Detecti Taiwan Under-Voltage Protection Circuit for Programmable Power Su Taiwan A Primary Side Regulated Programmable Power Converter w	1462450	Taiwan	Control Circuit for Offline Power Converter without Input Capacitor
Taiwan Under-Voltage Protection Circuit for Programmable Power Su Taiwan A Primary Side Regulated Programmable Power Converter w	1469504	Taiwan	Sensorless Motor Apparatus, Back EMF Detector and Detection Method Thereof
Taiwan A Primary Side Regulated Programmable Power Converter w	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. 1495269 1469491 1499180 1483525 1523383	Country Taiwan Taiwan Taiwan Taiwan Taiwan	Title A Successive Approximation Multiplier Divider for Signal Process Discharge EMI filter Cap. Circuit Design For Lower EMI ,Higher Power Saving
1473399	Taiwan Taiwan	A Switching Current Synthesis Circuit for Power Converter
1475789 1538377	Taiwan Taiwan	Adaptive Frequency Compensation for PFC Converter Operated in CCM and DCM 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	
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
China<	612163	China	
China	720867	China	
China	441610	China	
China	726852	China	Close-loop PWM Controller for Primary-side Controlled Power Converters
China	405754	China	Switching Control Circuit for Primary-side-controlled Power Converters
China	405739	China	Switching Control Circuit with Variable Switching Frequency for Primary-side-controlled Power Converters
China	531915	China	Switching Controller Having Frequency Hopping for Power Supplies and Method Thereof
China	522563	China	Over-Power Protection Circuit for Power Converter
China	462937	China	Over-voltage Protection Circuit for Power Converter
China China	406114	China	Power Supply with Current-sharing Control and Current-sharing Method Thereof
China China	436372	China	Switching Control Circuit Having Off-time Modulation to Improve Efficiency of Primary-side Controlled Power Supply
China China	396524	China	
China China	441660	China	
China China China China China China China China China China China China China China China China China China China	429903	China	Soft-Start Apparatus for Power Supplies
China China China China China China China China China China China China China China China China China China	426734	China	Start-up Apparatus for Power Converters
China China China China China China China China China China China China China China China China China China	425374	China	ing
China China China China China China China China China China China China China China China China China	429867	China	
China China China China China China China China China China China China China China China China	535597	China	Power Conversion Apparatus
China China China China China China China China China China China China China China China	693025	China	Switching Regulator Having Energy Saving Circuit
China Power Converter Having Phase Lock Circuit for Quasi-resona China Control Circuit for Proportional Driving Switching Power Suppl China Over-Power Protection Apparatus with Programmable Over-c China Energy Transfer Apparatus for Reducing Conductivity Electron China Buck Converter for both Full Load and Light Load Operations China Controller for regulating output current at the primary side of a China Control Circuit Having Programmable Waveform for Output P China Control Circuit Having Programmable Waveform for Output P China High Efficient Switching Power Converter Using a Charge PI China Control Circuit Having Dutput Current Control for a Power Converter China High-Side Transistor Driver Having Positive Feedback for Imp China Control Circuit of Power Converter Having Adaptive Bias for D China Control Circuit Including a Frequency Modulation to Reduce EMI of China Control Circuit Including a Frequency Hopping to Reduce EMI of China Control Circuit Including a Frequency Hopping to Reduce EMI of China Control Circuit Including a Frequency Hopping to Reduce EMI of	454367	China	Switching Control Circuit Having a Valley Voltage Dector to Achieve Soft Switching for Resonant Power Converters
China Control Circuit for Proportional Driving Switching Power Supp China Over-Power Protection Apparatus with Programmable Over-c China Energy Transfer Apparatus for Reducing Conductivity Electron China Thereof China Buck Converter for both Full Load and Light Load Operations China Buck Converter for both Full Load and Light Load Operations China Controller for regulating output current at the primary side of a China High Efficiency Switching LED Driver China High Stificient Switching Programmable Waveform for Output P China Highly Efficient Switching Power Converter Using a Charge P China Highly Efficient Switching Power Converter Using a Charge P China Control Circuit Having Output Current Control for a Power Convert China Control Circuit of Power Converter Having Adaptive Bias for L China Control Circuit Maving Frequency Modulation to Reduce EMI of China Control Circuit Including a Frequency Hopping to Reduce EMI of China Method and Apparatus for Measuring Reflected Voltage of Tr	421514	China	Power Converter Having Phase Lock Circuit for Quasi-resonant Soft Switching
China Over-Power Protection Apparatus with Programmable Over-c China Energy Transfer Apparatus for Reducing Conductivity Electron Thereof Thereof China Buck Converter for both Full Load and Light Load Operations China Controller for regulating output current at the primary side of a China High Efficiency Switching LED Driver China Control Circuit Having Programmable Waveform for Output P China Highly Efficient Switching Power Converter Using a Charge Pi China Highly Efficient Switching Power Converter Using a Charge Pi China Control Circuit Having Output Current Control for a Power Convert China Control Circuit of Power Converter Having Adaptive Bias for I China Control Circuit Having Frequency Modulation to Reduce EMI of China Control Circuit Having Frequency Hopping to Reduce EMI of China Control Circuit Having Frequency Hopping to Reduce EMI of China Control Circuit Having Frequency Hopping to Reduce EMI of China Control Circuit Having Frequency Hopping to Reduce EMI of China Control Circuit Having Frequency Hopping to Reduce EMI of	522722	China	Control Circuit for Proportional Driving Switching Power Supply
China Energy Transfer Apparatus for Reducing Conductivity Electron China Buck Converter for both Full Load and Light Load Operations China Buck Converter for both Full Load and Light Load Operations China Controller for regulating output current at the primary side of a China High Efficiency Switching LED Driver China High Efficient Switching Programmable Waveform for Output P China Highly Efficient Switching Power Converter Using a Charge Pi China High-side Transistor Driver Having Positive Feedback for Imp China Control Circuit of Power Converter Using a Charge Pi China Control Circuit of Power Converter Using a Charge Pi China Control Circuit Transistor Driver Having Positive Feedback for Imp China Control Circuit of Power Converter Having Adaptive Bias for I China Control Circuit Including a Frequency Modulation to Reduce EMI of China Control Circuit Including a Frequency Hopping to Reduce EMI of China Method and Apparatus for Measuring Reflected Voltage of Transitional	435162	China	Over-Power Protection Apparatus with Programmable Over-current Threshold
China China China China China China China China China China	546801	China	Energy Transfer Apparatus for Reducing Conductivity Electromagnetic Interference and Manufacturing Method Thereof
China China China China China China China China	494310	China	Buck Converter for both Full Load and Light Load Operations
China China China China China China China China	554730	China	
China China China China China China China	746661	China	
China China China China China China	522778	China	
China China China China China China	499139	China	Highly Efficient Switching Power Converter Using a Charge Pump to Power the Drive Circuit
China China China China China	628661	China	High-side Transistor Driver Having Positive Feedback for Improving Speed and Power Saving
China China China	469912	China	Controller Having Output Current Control for a Power Converter
China China China	463346	China	Control Circuit of Power Converter Having Adaptive Bias for Detecting Reflected Voltage of Transformer
China Control Circuit Including a Frequency Hopping to Reduce EMI China Method and Apparatus for Measuring Reflected Voltage of Tra	481557	China	Control Circuit Having Frequency Modulation to Reduce EMI of Power Converters
China	532670	China	
	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	Conve
568269	China	
573555	China	Switching LED Driver
538202	China	Switching LED Driver with Temperature Compensation to Program LED Current
486014	China	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	nchronous R
614847	China	Switching Circuit of Power Converter Having Voltage-Clipping Device to Improve Efficiency
554815	China	
572128	China	High Voltage Start-up Circuit for Power Converters
882899	China	Floating Driving Circuit
533804	China	Start-up Circuit with Feedforward Compensation for Power Converters
674968	China	
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
685846	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	
604797	China)e
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

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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	
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 withtout 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 Ouptut 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	ontrol the Maximum
1035161	China	Controller of LED Lighting to Control the Maximum Voltage of LEDs and the Maximum Voltage across Current

863813	China	Interstand the 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	onverter
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
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	
899894	China	Switching Controller Having Switching Frequency Hopping for Power Converter
ZL200910163404.1	China	
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 Controleer 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
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
ZL201010000099.7	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 Swithching 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 Suppy 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 Conrolled 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	
ZL201110415486.1	China	A Feedback Terminal of Power Converter Having Programming Function for Parameter Setting

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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	
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 Stucture 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
809906	China	ESD Semiconductor Structure

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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	
ZL201210304166.3	China	Adaptive Slope Compensation Programmed by Input Voltage of Power Converter
ZL201210339002.4	China	
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
1 0000100100100 12	<u>D</u>	Connections Mater Appoint in Dealy EME Detector and Detection Method Thereof
ZI 201210167024 7	China	Control circuit for resonant nower 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

Annication No	Application Date	Comptex	Titla
1/1/200858			System Method and Annaratus of Sensor-Less Eigld Oriented Control for
14/474313	September 2, 2014	SN	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	SN	Led Driver
62/206927	August 19, 2015	SN	A Control Circuit with Smooth Mode Change Scheme for Power Converter
62/208895	August 24, 2015	SN	Stray Inductance Compensation for Synchronous Rectifiers in Adaptive
62/254251	November 12, 2015	SN	Active Bleeder for LED Driver
62/254267	November 12, 2015	SN	AC-Direct LED Driver
62/260857	November 30, 2015	SN	Secondary Side Controlled Synchronous Rectifier Power Converter
62/272083	December 29, 2015	SN	Using Synchronous Rectifier to Assist in Regulation of a Flyback Converter in Light-load Conditions
62/354257	June 24, 2016	SN	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	SN	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	SN	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	SN	Control Circuit For Active Clamp Flyback Power Converter With Predicted
			Timing Control

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14/088633	November 25, 2013	SN	Dual Gate Drive Circuit For Reducing Emi Of Power Converters And Control
			Method Thereof
14/250566	April 11, 2014	SN	Method And Apparatus For Controlling Wireless Induction Power Supply
14/217488	March 18, 2014	SN	Method Of Controlling Synchronous Rectifier For Power Converter, Control
			Circuit, And Power Converter Thereof
13/748611	January 24, 2013	SN	Interface Circuits For Cascade And Series Battery Management And
			Methods Thereof
14/191952	February 27, 2014	SN	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	SN	Method And Apparatus For Selecting The Output Of Programmable Power
			Adapter
14/460373	August 15, 2014	SN	Method For Controlling Synchronous Rectifier Of Power Converter And
			Control Circuit Using The Same
14/340809	July 25, 2014	SN	Method And Apparatus Of Frequency Modulation For Power Saving Of
			Adaptive Power Converter
14/554174	November 26, 2014	SN	Discharge Circuits Of Discharge Paths For Electromagnetic Interference
			Filters
13/560519	July 27, 2012	SN	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	SN	Programmable Frequency Decrease Circuit For A Programmable Power
			Supply
14/692998	April 22, 2015	SN	Method And Circuit Of Detecting Attachment And Detachment Between A
			Portable Device And A Power Converter

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15/072751	March 17, 2016	SN	Dead Time Compensation For Synchronous Rectifiers In Adaptive Output
			Powers
14/791649	July 6, 2015	SN	Regulation Circuit Associated With Synchronous Rectifier Providing Cable
			Compensation For The Power Converter And Method Thereof
13/870177	April 25, 2013	SN	Start-Up Circuit To Discharge Emi Filter For Power Saving Of Power Supplies
14/844913	September 3, 2015	SN	Control Circuits And Methods For Active-Clamp Flyback Power Converters
15/000487	January 19, 2016	SN	Pollution Detection Circuit For Data Lines And Method Thereof
15/044288	February 16, 2016	SN	Alternating Valley Switching For Power Converter
15/175382	June 7, 2016	SN	Protection Circuit and Method for Flyback Power Converter