PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FAIRCHILD KOREA SEMICONDUCTOR LTD.	11/02/2017

RECEIVING PARTY DATA

Name:	SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC
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Postal Code:	85008

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16722027

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ATTORNEY DOCKET NUMBER:	FSCIZ201101003DC01US
NAME OF SUBMITTER:	SHARRON CASTILLO
SIGNATURE:	/Sharron Castillo/
DATE SIGNED:	12/20/2019

Total Attachments: 44
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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 Intellectual Property Sale and Assignment and Assumption Agreement having an Effective Date of January 1, 2017 (herein after referred to as the "**Agreement**") between Assignee and Fairchild Korea Semiconductor, Ltd., a Korean 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 Assigned 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 and trademarks; certificates of invention or other governmental grants for the Assigned Patents. Assignor also hereby authorizes the respective patent and trademark 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, the Assignor has executed this Confirmatory Assignment on the date set forth below.

Date: July 8, 2019 By: _____

Byeonggon Kang
Director
Fairchild Korea Semiconductor, Ltd.

In the presence of: Tommy Lee (Witness)

Name: Tommy Lee

Title: Director of Finance

ACCEPTANCE OF ASSIGNMENT

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

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

Date: 11/2/2017

By: _____

Robert M. Tuttle
Vice President & Chief Intellectual Property Counsel
Semiconductor Components Industries, LLC

STATE OF ARIZONA §

§

COUNTY OF MARICOPA §

On this 2nd day of November, 2017, before me a Notary Public in and for said county, personally appeared Robert M. Tuttle 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.

KELLY A. NELSON
Notary Public - State of Arizona
MARICOPA COUNTY
My Commission Expires
March 18, 2018

Kelly A Hall
Kelly A Nelson
Notary Public

Schedule A

"Assigned Patents"

Docket Number	Filed Date	Application Number	Grant Date	Patent No.	Country	Application Title
FSC75118US02	2014-07-30	14/447479			US	Mode Selection Circuit And Switch Control Circuit Including The Mode Selection Circuit And Multi Functions Pin
FSC75120US02	2014-07-30	14/446502			US	Charge Pump And Switch Control Circuit
FSC75146US01	2015-01-15	14/597517			US	Output Current Estimating Method And Power Supply Device Using The Same
FSC75347US01	2016-08-19	15/242,018			US	Superjunction Semiconductor Device And Method Of Manufacturing The Same
FSC75326US02	2015-11-10	14/937179			US	Control System For Phase-Cut Dimming
FSC75327US02	2015-11-10	14/937038			US	Standby Current Supplier
FSC75301US04	2015-12-10	14/965125			US	Protection Mode Control Circuit, Switch Control Circuit Including The Protection Mode Control Circuit And Power Supply Device Including The Switch Control Circuit
FSC75401US01	2016-06-29	15/196483			US	Switch Control Circuit And Converter Including The Same
FSC75444L01US	2016-11-11	62/420813			US	Vertically Stacked Multichip Modules
FSC75462US	2017-07-19	15/654392			US	Electrostatic Discharge Circuit And Manufacturing Methods Thereof
FSC75264US	2017-09-28	15/718338			US	Coupling Structure Of Gate Driver In Power Supply Device
FSC75398L01US	2016-11-01	62/415939			US	Power MCM(Multi Chip Module) Package Structure And Manufacturing Method
FSC75281US	2017-06-01	15/610706			US	Light Emitting Diode Control Circuit With Hysteretic Control And Low-Side Output Current Sensing
FSC75478US	2017-06-29	15/636833			US	Variable Blanking Frequency For Resonant Converters
FSC75488US	2017-08-04	15/668975			US	Resonant Capacitor Stabilizer In Resonant Converters
FSC75498US	2017-08-04	15/668983			US	Burst Mode Control In Resonant Converters
FSC75497US	2017-08-04	15/668980			US	Short-Circuit Protection Using Pulse Width Modulation (Pwm) For Resonant Converters
FSC75507US	2017-07-20	15/655010			US	The Internal Reference Implementation For Hybrid Dimming
FSC75522US	2017-09-18	15/706928			US	System And Method For Controlling Voltage Control Loop In Power Converter

SCHEDULE A (Patent Applications)

Docket Number	Filed Date	Application Number	Grant Date	Patent No.	Country	Application Title
FSC75383US	2017-05-22	15/601034			US	Light Emitting Diode Control Circuit With Wide Range Input Voltage
FSC75503L01US	2016-11-16	62/422980			US	Multiple Linear Regulation
FSC75492US	2017-05-24	15/604129			US	Overload Protection For Power Converter
FSC75490US	2017-05-24	15/604122			US	Controlling Output Voltage For Power Converter
FSC75491US	2017-05-24	15/604126			US	System And Method For Controlling Output Signal Of Power Converter
FSC75499US	2017-05-24	15/604133			US	Led Driving Device
FSC75503US	2017-05-24	15/604137			US	Multiple Linear Regulation
FSC75516US	2017-06-19	15/626307			US	Led Driver Circuit And Led Driving Method
FSC75487US	2017-08-04	15/668974			US	Non Zero-Voltage Switching (Zvs) Detection In Resonant Converters
FSC75506US	2017-07-20	15/655025			US	Hybrid Dimming
FSC75143D01US	2017-07-27	15/661690			US	Signal Calculator
FSC75245D01US	2017-08-23	15/683998			US	Pulse Generator And Driving Circuit Comprising The Same
FSC75398US	2017-10-11	15/729973			US	Semiconductor Die Package And Manufacturing Method
FSC75444US	2017-10-25	15/793018			US	Vertically Stacked Multichip Modules
FSC75301US02C01	2017-10-11	15/730490			US	Resonant Converter And Driving Method Thereof
FSCIZ201107003US0	2011-11-01	13/286430	2015-01-27	8942019	US	Current Vector Controlled Deadtime For Multilevel Inverters
FSCIZ201011001US	2011-09-22	13/239762	2016-12-13	9520771	US	Power Supply And Apparatus And Method For Controlling Link Voltage Control Switch
FSCIZ201010003US0	2012-01-03	13/342372	2014-10-14	8860196	US	Semiconductor Package And Method Of Fabricating The Same
FSCIZ201010002US	2011-09-16	13/234656	2017-10-03	9781790	US	Phase Shift Circuit And Dimming Circuit Including The Same
FSCIZ201009005US0	2011-12-07	13/313816	2014-09-02	8823339	US	Switch Control Circuit, Converter Using The Same, And Switch Controlling Method
FSCIZ201009004US0	2011-09-22	13/239776	2014-05-27	8736192	US	Apparatus And Method For Detecting Open-Circuited Light Emitting Diode Channels
FSCIZ201009002US	2012-01-19	13/354115	2014-08-26	8816607	US	Led Emitting Device And Driving Method Thereof
FSCIZ201008007US0	2011-09-21	13/238944	2014-08-12	8803434	US	Apparatus For Controlling Bleed Switch, Power Supply, And Method For Driving Power Supply

Docket Number	Filed Date	Application Number	Grant Date	Patent No.	Country	Application Title
FSCIZ201008005US0	2012-01-03	13/342404	2014-10-28	8873206	US	Switch Control Circuit, Switch Controlling Method, And Power Supply Device Using The Switch Control Circuit
FSCIZ201008004US0	2011-12-13	13/324843	2013-10-01	8547144	US	Semiconductor Device Including Power-On Reset Circuit
FSCIZ201008003US0	2011-05-12	13/106717	2013-08-27	8519776	US	Power Converting Apparatus And Method Of Sensing Output Current Thereof
FSCIZ201008001US0	2011-05-12	13/106708	2013-09-10	8531113	US	Driving Apparatus And Driving Method Of Led Device
FSCIZ201007006US0	2011-12-13	13/324825	2016-01-19	9240679	US	Adaptive Overvoltage Protection Circuit And Method, And Power System Including The Same
FSCIZ201007003US01	2011-09-21	13/238565	2014-04-29	8710806	US	Apparatus And Method For Discharging Capacitor Of Input Filter Of Power Supply, And Power Supply Including The Apparatus
FSCIZ201007001US0	2010-10-26	12/912329	2013-10-22	8564257	US	Power Factor Correction Circuit With Over-Voltage Detection And Driving Method Thereof
FSCIZ201004004US0	2011-11-10	13/293378	2015-02-03	8947893	US	Switch Controller And Converter Including The Same For Prevention Of Damage
FSCIZ201004003US	2011-09-22	13/239802	2013-11-26	8593835	US	Duty Balancing Oscillator
FSCIZ201004001US0	2011-07-26	13/191174	2014-05-20	8729822	US	Led Emitting Device And Driving Method Thereof
FSCIZ201003006US0	2011-08-02	13/196575	2014-09-02	8824171	US	Hold-Up Time Extending Circuit And Converter Including The Same
FSCIZ201003003US0	2011-08-22	13/214653	2014-07-29	8792255	US	Duty Adjuster Circuit And Converter Including The Same
FSCIZ201003002US	2011-07-22	13/188727	2014-02-11	8648644	US	Switch Control Device
FSCIZ201003001US0	2011-09-06	13/225953	2014-06-24	8760082	US	Led Emitting Device
FSCIZ201002002US	2011-09-28	13/247065	2013-08-27	8519747	US	Driver And High Voltage Drive Circuit Including The Same
FSCIZ201002001US0	2011-05-19	13/111779	2014-01-21	8634211	US	Switch Control Device, Power Supply Device Comprising The Same And Switch Control Method
FSCIZ201001003US0	2010-11-08	12/941803	2012-12-11	8330490	US	Interlock Circuit And Interlock System Including The Same
FSCIZ200911003US0	2011-07-15	13/184187	2015-04-07	9001475	US	Thermal Shutdown Unit, Switch Controller Including The Same, And Control Method Of Thermal Shutdown Protection Operation
FSCIZ200911001US0	2010-09-17	12/884682	2015-05-12	9030847	US	Inverter And Driving Method Thereof
FSCIZ200908002US0	2010-03-03	12/716983	2012-05-15	8179172	US	Auto-Restart Circuit And Auto-Restart Method
FSCIZ200906003US0	2010-08-05	12/850996	2013-08-27	8519642	US	LED Light Emitting Device

SCHEDULE A (Patent Applications)

Docket Number	Filed Date	Application Number	Grant Date	Patent No.	Country	Application Title
FSCIZ200906002US0	2011-04-05	13/080471	2013-12-03	8598911	US	Pulse Width Filter
FSCIZ200905001US	2011-03-14	13/047019	2014-08-26	8817502	US	Switch Control Device, Multi-Channel Converter Including The Same, And Switch Controlling Method
FSCIZ200904004US0	2011-02-15	13/027760	2014-04-08	8693216	US	Switch Control Device, Power Supply Device Including The Same, And Switch Control Method
FSCIZ200904002US0	2011-03-09	13/044307	2013-12-31	8618747	US	Power Factor Correction Circuit And Driving Method Thereof
FSCIZ200904001US0	2011-02-15	13/027755	2015-02-17	8957596	US	Preheating Control Device, Lamp Driving Device Including The Same, And Preheating Control Method
FSCIZ200903006US0	2011-02-22	13/031878	2014-05-27	8737101	US	Switch Driving Circuit And Switch Driving Method
FSCIZ200903005US0	2010-09-02	12/874415	2013-07-16	8487602	US	Switch Driving Circuit And Driving Method Thereof
FSCIZ200903004US0	2010-06-01	12/791281	2012-05-29	8188674	US	Led Light Emitting Device And Driving Method Thereof
FSCIZ200903002US0	2011-02-16	13/028628	2014-01-21	8633660	US	Control Device, LED Light Emitting Device Including The Same, And Control Method
FSCIZ200901003US0	2010-10-26	12/912481	2013-02-19	8379423	US	Power Factor Correction Circuit And Driving Method Thereof
FSCIZ200901002US0	2010-10-26	12/912181	2013-08-20	8513926	US	Power Factor Correction Circuit And Driving Method Thereof
FSCIZ200812002US0	2009-02-06	12/367290	2014-01-07	8625308	US	Soft-Burst Circuit For Switched-Mode Power Supplies
FSCIZ200811003US0	2010-03-03	12/716683	2012-12-18	8335061	US	Protection Circuit, Resonant Converter Including The Protection Circuit, And Protecting Method Of The Resonant Converter
FSCIZ200811001US0	2010-05-26	12/788144	2012-12-25	8339815	US	Frequency Modulation Controller, Switch Mode Power Supply Including The Same, And Switching Operation Frequency Modulation Method
FSCIZ200810005US0	2010-06-14	12/815193	2012-09-25	8274235	US	Inverter Device And Driving Method Thereof
FSCIZ200809006US0	2010-03-16	12/724841	2013-04-02	8410809	US	Under-Voltage And Over-Voltage Detection Circuit And Driving Method Thereof
FSCIZ200809005US0	2010-03-24	12/730643	2015-07-21	9088223	US	Power Factor Correction Circuit With Input Voltage Estimation And Driving Method Thereof
FSCIZ200809003US0	2010-04-20	12/763689	2012-07-10	8217487	US	Power Semiconductor Device
FSCIZ200809002US0	2009-09-22	12/564632	2012-02-21	8120337	US	Inverter Driver And Load Driver Including The Same, And Driving Method Thereof
FSCIZ200806002US0	2009-10-29	12/608727	2012-04-03	8148956	US	Power Factor Correction Circuit And Method Of Driving The Same

Docket Number	Filed Date	Application Number	Grant Date	Patent No.	Country	Application Title
FSCIZ200806001US0	2009-07-24	12/509013	2012-02-28	8125197	US	Switch Controller, Switch Control Method, And Converter Using The Same
FSCIZ200804005US0	2009-08-20	12/544893	2016-06-21	9374008	US	Switching Mode Power Supply And The Driving Method Thereof
FSCIZ200804004US0	2009-09-10	12/556957	2012-06-19	8203183	US	Electrostatic Discharge Diode
FSCIZ200803004US0	2009-07-01	12/495948	2013-03-19	8399923	US	High Voltage Semiconductor Device Including Field Shaping Layer And Method Of Fabricating The Same
FSCIZ200803002US0	2009-07-28	12/510511	2012-02-21	8120275	US	Inverter And Lamp Driver Including The Same
FSCIZ200802003US0	2009-01-29	12/361785	2014-04-29	8711581	US	Synchronous Rectifier Network Unit Circuit And Method
FSCIZ200801009US0	2009-07-02	12/497261	2015-09-29	9148051	US	Switch Control Device And Converter Including The Same
FSCIZ200801007US0	2009-06-17	12/486322	2012-08-14	8242755	US	Switch Control Device And Converter Including The Same
FSCIZ200801006US0	2009-08-03	12/534227	2012-03-20	8139381	US	Power Converter, And Switching Controller And Driving Method Thereof
FSCIZ200801003US0	2009-06-02	12/476800	2012-09-04	8258764	US	Driving Device
FSCIZ200801002US0	2009-04-15	12/424195	2012-09-04	8259471	US	Converter
FSCIZ200712004US0	2009-03-30	12/414172	2010-09-28	7803676	US	Semiconductor Device And Method Of Fabricating The Same
FSCIZ200712004US1	2010-08-30	12/870913	2012-12-11	8330218	US	Semiconductor Device And Method Of Fabricating The Same
FSCIZ200712002US0	2009-03-27	12/413399	2014-08-05	8796831	US	Complex Semiconductor Packages And Methods Of Fabricating The Same
FSCIZ200712001US0	2008-09-18	12/284217	2012-06-12	8198139	US	Power Device Package And Method Of Fabricating The Same
FSCIZ200711006US0	2009-01-28	12/361401	2011-12-27	8085558	US	Resonant Converter
FSCIZ200711005US0	2008-10-24	12/257774	2011-02-01	7880453	US	Interleaved Switching Converter, And Switching Controller And Controlling Method Thereof
FSCIZ200711003US0	2008-08-20	12/194843	2010-12-07	7846779	US	Power Device Package And Method Of Fabricating The Same
FSCIZ200711002US0	2009-04-02	12/417168	2011-10-11	8036001	US	Resonant Converter With Variable Frequency Controlled By Phase Comparison
FSCIZ200710007US0	2008-12-24	12/343967	2012-01-03	8089784	US	Synchronous Rectifier
FSCIZ200710003US1	2009-03-18	13/101078	2013-10-08	8552541	US	Power Device Packages Having Thermal Electric Modules Using Peltier Effect And Methods Of Fabricating The Same
FSCIZ200710001US0	2009-01-23	12/358566	2014-05-13	8723304	US	Semiconductor Package And Methods Of Fabricating The Same

Docket Number	Filed Date	Application Number	Grant Date	Patent No.	Country	Application Title
FSCIZ200709014US0	2008-11-04	12/264292	2010-02-09	7659559	US	Semiconductor Package Having Insulated Metal Substrate And Method Of Fabricating The Same
FSCIZ200709014US1	2009-12-18	12/641554	2010-11-30	7842545	US	Semiconductor Package Having Insulated Metal Substrate And Method Of Fabricating The Same
FSCIZ200709013US0	2008-11-25	12/277699	2011-01-18	7871848	US	Semiconductor Power Module Package Without Temperature Sensor Mounted Thereon And Method Of Fabricating The Same
FSCIZ200709013US1	2010-12-07	12/962196	2011-09-06	8013431	US	Semiconductor Power Module Package With Temperature Sensor Mounted Thereon And Method Of Fabricating The Same
FSCIZ200709012US0	2009-01-07	12/349960	2010-10-05	7808103	US	Leadless Package
FSCIZ200709011US0	2008-10-29	12/260963	2010-05-11	7714455	US	Semiconductor Packages And Methods Of Fabricating The Same
FSCIZ200709009US0	2008-12-10	12/316367	2011-05-03	7936054	US	Multi-Chip Package
FSCIZ200709007US0	2008-11-04	12/264823	2012-02-28	8125080	US	Semiconductor Power Module Packages With Simplified Structure And Methods Of Fabricating The Same
FSCIZ200709006US0	2009-01-23	12/358758	2010-08-31	7786570	US	Heat Sink Package
FSCIZ200709006US1	2010-07-28	12/845299	2013-12-10	8604606	US	Heat Sink Package
FSCIZ200709005US0	2008-07-24	12/220638	2010-03-30	7687903	US	Power Module And Method Of Fabricating The Same
FSCIZ200709004US0	2008-11-18	12/273373	2011-01-04	7863725	US	Power Device Packages And Methods Of Fabricating The Same
FSCIZ200709003US0	2009-03-12	12/402528	2010-08-17	7777524	US	High Voltage Semiconductor Device Having Shifters And Method Of Fabricating The Same
FSCIZ200709002US0	2008-10-24	12/258157	2012-03-27	8144486	US	Power Converter And Driving Method Thereof
FSCIZ200707001US0	2008-03-19	12/051118	2010-08-10	7773356	US	Stacked SCR With High Holding Voltage
FSCIZ200704002US	2008-07-25	12/220769	2012-02-14	8115466	US	Converter And Driving Method Thereof
FSCIZ200704001US0	2008-11-18	12/273424	2014-04-01	8686531	US	Structure And Method For Forming A Guard Ring To Protect A Control Device In A Power Semiconductor IC
FSCIZ200703002US0	2008-07-25	12/220768	2012-06-05	8194425	US	Frequency Modulation Device And Switching Mode Power Supply Using The Same
FSCIZ200703001US0	2007-08-28	11/846231	2010-11-16	7834378	US	Scr Controlled By The Power Bias
FSCIZ200702003US0	2008-05-09	12/151903	2010-05-04	7710746	US	Switching Mode Power Supply And Driving Method Thereof
FSCIZ200701006US0	2007-11-14	11/985159	2010-05-04	7710085	US	Energy Transfer Element And Converter Including The Same

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Docket Number	Filed Date	Application Number	Grant Date	Patent No.	Country	Application Title
FSCIZ200701005US0	2008-05-21	12/154207	2011-02-01	7881083	US	Switch Control Device, Switch Control Method, and Converter Using The Same
FSCIZ200701004US0	2008-03-25	12/079184	2010-12-07	7848124	US	Overload And Short Protected Soft-Start Converter
FSCIZ200701003US0	2008-04-25	12/150226	2012-05-01	8169802	US	Switch Controller Of A Converter With A Soft Start Signal Generator Comprising A Plurality Of Current Sources
FSCIZ200701002US0	2008-04-18	12/148314	2011-06-14	7960952	US	Switching Mode Power Supply And Switch Thereof
FSCIZ200612003US0	2008-03-28	12/079703	2010-03-23	7684216	US	Quasi Resonant Switching Mode Power Supply
FSCIZ200612002US0	2008-01-29	12/011844	2012-09-04	8258622	US	Power Device Package And Semiconductor Package Mold For Fabricating The Same
FSCIZ200612001US0	2008-02-28	12/074225	2010-03-09	7675148	US	Power Module Having Stacked Flip-Chip And Method Of Fabricating The Power Module
FSCIZ200612001US1	2009-12-21	12/643901	2014-07-01	8766419	US	Power Module Having Stacked Flip-Chip And Method Of Fabricating The Power Module
FSCIZ200611001US0	2007-11-21	11/986615	2010-10-19	7817392	US	Insulated Gate Bipolar Transistor Fault Protection System
FSCIZ200609004US0	2007-07-26	11/881180	2010-03-23	7684215	US	Switching Mode Power Supply And Driving Method Thereof
FSCIZ200609002US0	2007-12-06	11/951634	2010-05-11	7714428	US	High Power Semiconductor Package And Method Of Making The Same
FSCIZ200608006US0	2008-01-04	11/969410	2013-01-08	8350369	US	High Power Semiconductor Package
FSCIZ200608005US0	2008-01-08	11/970911	2011-11-29	8067826	US	Power Device Package Comprising Metal Tab Die Attach Paddle (Dap) And Method Of Fabricating The Package
FSCIZ200608005US1	2011-10-21	13/278664	2015-02-03	8945992	US	Power Device Package Comprising Metal Tab Die Attach Paddle (DAP) And Method Of Fabricating The Package
FSCIZ200608004US0	2008-01-11	12/013354	2011-12-06	8072029	US	High Voltage Semiconductor Device With Floating Regions For Reducing Electric Field Concentration
FSCIZ200608002US0	2007-12-28	11/965983	2010-09-21	7800224	US	Power Device Package
FSCIZ200607001US0	2008-01-25	12/011343	2010-04-20	7701735	US	Converter And Driving Method Thereof
FSCIZ200606008US0	2007-07-18	11/879550	2011-08-16	8000119	US	Switching Mode Power Supply And Method Of Operation
FSCIZ200606007US0	2007-08-01	11/888480	2010-07-06	7750615	US	Burst Mode Operation In A DC-DC Converter
FSCIZ200606003US0	2007-07-11	11/827196	2010-08-03	7768802	US	Switching Mode Power Supply And Method Of Operation
FSCIZ200606002US0	2007-06-13	11/818421	2010-09-07	7791909	US	Quasi-Resonant Converter And Controlling Method Thereof
FSCIZ200605002US0	2007-08-01	11/888488	2011-06-07	7957162	US	Switch Mode Power Supply And Driving Method Thereof

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FSCIZ200605001US0	2007-11-13	11/939264	2011-01-11	7868384	US	High-Voltage Semiconductor Device And Method Of Fabricating The Same
FSCIZ200605001US1	2011-01-05	12/985093	2014-05-06	8716085	US	Method Of Fabricating High-Voltage Semiconductor Device
FSCIZ200603001US0	2007-05-03	11/743829	2010-04-20	7701048	US	Power Module For Low Thermal Resistance And Method Of Fabricating The Same
FSCIZ200603001US1	2010-02-09	12/702615	2011-05-31	7951645	US	Power Module For Low Thermal Resistance And Method Of Fabricating The Same
FSCIZ200602006US0	2007-04-04	11/784162	2009-02-17	7492141	US	Resonant Inverter Exhibiting Depressed Duty Variation
FSCIZ200602004US0	2007-07-31	11/888056	2010-10-12	7813151	US	Variable-Mode Converter Control Circuit And Half-Bridge Converter Having The Same
FSCIZ200602002US0	2007-05-24	11/805872	2010-08-17	7777464	US	Mixed Type Frequency Compensating Circuit And Control Circuit
FSCIZ200601001US0	2007-04-27	11/796332	2011-02-15	7889518	US	Half-Bridge Power Converter System And Method Of Operation
FSCIZ200512002US0	2007-04-16	11/787276	2010-12-28	7859528	US	Power Module For Energy Recovery And Discharge Sustain Of Plasma Display Panel
FSCIZ200512001US0	2007-02-28	11/680061	2010-12-07	7847395	US	Package And Package Assembly Of Power Device
FSCIZ200511002US0	2007-04-05	11/696801	2010-04-27	7706146	US	Power System Module And Method Of Fabricating The Same
FSCIZ200511002US1	2010-03-11	12/722153	2011-07-26	7986531	US	Power System Module And Method Of Fabricating The Same
FSCIZ200511001US0	2007-03-05	11/713987	2010-08-10	7773393	US	Switching Mode Power Supply
FSCIZ200510002US0	2006-12-01	11/607357	2008-09-02	7420431	US	RC Oscillator Integrated Circuit Including Capacitor
FSCIZ200510001US0	2006-12-01	11/607358	2008-01-29	7323825	US	Ballast Integrated Circuit (IC)
FSCIZ200509001US0	2006-11-16	11/560783	2009-05-05	7528633	US	Current Sensing Circuit And Boost Converter Having The Same
FSCIZ200508001US0	2006-12-14	11/639005	2010-07-20	7760520	US	Current Controlled Switching Mode Power Supply
FSCIZ200506002US0	2006-10-25	11/586992	2009-07-07	7558084	US	Switching Mode Power Supply With Compensated Propagation Delay
FSCIZ200505004US0	2006-06-27	11/475276	2009-06-02	7541668	US	Package Frame And Semiconductor Package Using The Same
FSCIZ200505003US0	2006-03-09	11/371409	2009-12-22	7635962	US	Motor Driving Inverter Circuit Module, Motor Driving Apparatus Having The Motor Driving Inverter Circuit Module, And Inverter Integrated Circuit Package
FSCIZ200505003US1	2009-11-25	12/626465	2011-05-31	7952317	US	Motor Driving Inverter Circuit Module, Motor Driving Apparatus Having The Motor Driving Inverter Circuit Module, And Inverter Integrated Circuit Package

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FSCIZ200505001US0	2006-11-22	11/603671	2010-06-08	7732858	US	High Voltage Integration Circuit With Freewheeling Diode Embedded In Transistor
FSCIZ200505001US1	2010-06-07	12/795564	2011-11-01	8049306	US	High Voltage Integration Circuit With Freewheeling Diode Embedded In Transistor
FSCIZ200504001US	2005-11-30	11/289823	2010-01-12	7645659	US	Power Semiconductor Device Using Silicon Substrate As Field Stop Layer And Method Of Manufacturing The Same
FSCIZ200503002US0	2006-01-09	11/329268	2011-02-15	7888768	US	Power Integrated Circuit Device Having Embedded High-Side Power Switch
FSCIZ200503001US0	2006-07-14	11/486904	2011-10-25	8042350	US	Apparatus For Controlling Cooling Device And Cooling System
FSCIZ200410001US0	2006-03-16	11/378210	2009-04-14	7518209	US	Isolation Of A High-Voltage Diode Between A High-Voltage Region And A Low-Voltage Region Of An Integrated Circuit
FSCIZ200410001US1	2009-03-04	12/397426	2011-03-15	7906828	US	High-Voltage Integrated Circuit Device Including High-Voltage Resistant Diode
FSCIZ200409001US0	2006-02-28	11/364711	2009-04-28	7525819	US	Switching Mode Power Supply And Method For Generating A Bias Voltage
FSCIZ200408003US0	2004-11-12	10/987550	2008-01-01	7315077	US	Molded Leadless Package Having A Partially Exposed Lead Frame Pad
FSCIZ200408002US2	2010-03-24	12/730294	2014-11-18	8890310	US	Power Module Package Having Excellent Heat Sink Emission Capability And Method For Manufacturing The Same
FSCIZ200408001US0	2005-11-23	11/286786	2010-06-01	7728437	US	Semiconductor Package Form Within An Encapsulation
FSCIZ200406001US0	2006-02-22	11/359099	2009-04-14	7518836	US	Switching Mode Power Supply And Method For Performing Protection Operation Thereof
FSCIZ200405006US0	2005-09-21	11/232753	2009-05-26	7538525	US	Power Factor Correction Circuit
FSCIZ200405005US0	2005-09-21	11/232737	2009-03-10	7501800	US	Power Factor Correction Circuit And Output Voltage Control Method Thereof
FSCIZ200405001US0	2005-09-02	11/218384	2008-10-07	7432745	US	Gate Driver Circuit
FSCIZ200312002US0	2005-06-29	11/172455	2011-12-27	8084815	US	Superjunction Semiconductor Device
FSCIZ200312001US0	2005-04-26	11/114693	2007-12-18	7309894	US	High Voltage Gate Driver Integrated Circuit Including High Voltage Junction Capacitor And High Voltage LDMOS Transistor
FSCIZ200312001US1	2007-12-05	11/950959	2010-02-02	7655979	US	High Voltage Gate Driver Integrated Circuit Including High Voltage Junction Capacitor And High Voltage Ldmos Transistor
FSCIZ200311003US0	2005-06-15	11/153819	2007-05-15	7218532	US	Switching Mode Power Supply

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FSCIZ200311002US0	2005-05-03	11/121334	2009-06-16	7548437	US	Switching Mode Power Supply
FSCIZ200310002US0	2005-05-06	11/123400	2008-09-02	7420260	US	Power Semiconductor Device For Suppressing Substrate Recirculation Current And Method Of Fabricating Power Semiconductor Device
FSCIZ200306003US0	2003-12-01	10/724858	2006-06-20	7064968	US	Control For A Switching Power Supply Having Automatic Burst Mode Operation
FSCIZ200305005US0	2004-07-02	10/884750	2005-10-11	6954042	US	Three-Phase Bldc Motor System And Circuit And Method For Driving Three-Phase Bldc Motor
FSCIZ200305003US0	2004-07-29	10/901811	2007-01-02	7158390	US	Phase Shift Full Bridge Converter
FSCIZ200305001US0	2004-08-26	10/927424	2009-02-17	7492043	US	Power Module Flip Chip Package
FSCIZ200304002US0	2004-08-18	10/920816	2006-04-25	7035122	US	Switching Power Supply Device And Method
FSCIZ200303001US0	2004-11-29	10/999578	2007-11-27	7301203	US	Superjunction Semiconductor Device
FSCIZ200303001US1	2007-10-16	11/872949	2010-02-02	7655981	US	Superjunction Semiconductor Device
FSCIZ200302001US0	2004-03-19	10/805000	2006-08-22	7095639	US	Inverter Circuit Having Switching Device With Gate Driven By High-Voltage Integrated Circuit
FSCIZ200301001US0	2004-01-21	10/762075	2007-04-03	7199461	US	Semiconductor Package Suitable For High Voltage Applications
FSCIZ200212001US0	2004-04-02	10/818330	2005-06-21	6909143	US	Lateral Double-Diffused MOS Transistor Having Multiple Current Paths For High Breakdown Voltage And Low On-Resistance
FSCIZ200211004US0	2004-04-02	10/817705	2006-05-09	7042289	US	Transconductance Control Circuit Of Rail-To-Rail Differential Input Stages
FSCIZ200211002US0	2004-04-28	10/833693	2006-06-06	7057442	US	Temperature-Independent Current Source Circuit
FSCIZ200211002US1	2006-06-05	11/447586	2008-11-18	7453314	US	Temperature-Independent Current Source Circuit
FSCIZ200210001US0	2003-09-26	10/672997	2006-07-18	7079404	US	Switching Mode Power Supply For Low Power Operation
FSCIZ200206018US0	2003-08-08	10/637176	2005-08-09	6927607	US	Inverter Driver And Method
FSCIZ200206011US0	2003-10-29	10/698056	2005-12-06	6972971	US	Pulse Width Modulation Signal Generator And Switching Mode Power Supply Including The Same
FSCIZ200206009US0	2003-09-16	10/665080	2007-10-30	7289582	US	Emi Cancellation Method And System
FSCIZ200205004US0	2003-06-17	10/464059	2005-08-16	6930356	US	Power Semiconductor Device Having High Breakdown Voltage, Low On-Resistance, And Small Switching Loss And Method Of Forming The Same
FSCIZ200205004US1	2005-07-14	11/182578	2007-10-02	7276405	US	Power Semiconductor Device Having High Breakdown Voltage, Low On-Resistance And Small Switching Loss And Method Of Forming The Same
FSCIZ200205003US0	2003-09-12	10/661952	2005-08-23	6933560	US	Power Devices And Methods For Manufacturing The Same
FSCIZ200205002US0	2003-09-05	10/655820	2005-06-28	6911715	US	Bipolar Transistors And Methods Of Manufacturing The Same

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FSCIZ200202003US0	2003-03-04	10/379979	2007-09-11	7268414	US	Semiconductor Package Having Solder Joint Of Improved Reliability
FSCIZ200202002US0	2002-09-10	10/241818	2006-02-07	6995453	US	High Voltage Integrated Circuit Including Bipolar Transistor Within High Voltage Island Area
FSCIZ200112002US0	2003-05-28	10/447558	2005-12-27	6979875	US	Reduced Surface Field Technique For Semiconductor Devices
FSCIZ200112001US1	2005-03-04	11/072373	2009-09-01	7582935	US	Methods For Manufacturing SOI Substrate Using Wafer Bonding And Complementary High Voltage Bipolar Transistor Using The SOI Substrate
FSCIZ200111007US0	2002-11-15	10/295172	2003-11-11	6646894	US	Switching Mode Power Supply
FSCIZ200110002US0	2003-02-07	10/360518	2005-05-03	6888210	US	Lateral DMOS Transistor Having Reduced Surface Field
FSCIZ200110001US0	2003-02-12	10/366545	2007-09-04	7265416	US	High Breakdown Voltage Low On-Resistance Lateral DMOS Transistor
FSCIZ200110001US1	2007-07-25	11/828128	2009-10-20	7605040	US	Method Of Forming High Breakdown Voltage Low On-Resistance Lateral DMOS Transistor
FSCIZ200108005US0	2002-04-30	10/136971	2004-08-24	6781462	US	Power Amplifier
FSCIZ200108001US0	2002-11-15	10/295281	2011-11-15	8058735	US	Wafer-Level Chip Scale Package Having Stud Bump And Method For Fabricating The Same
FSCIZ200108001US5	2009-01-07	12/350065	2009-12-15	7632719	US	Wafer-Level Chip Scale Package And Method For Fabricating And Using The Same
FSCIZ200106001US0	2002-10-04	10/265081	2004-08-10	6774465	US	Semiconductor Power Package Module
FSCIZ200105001US0	2002-06-05	10/163801	2006-05-30	7054169	US	Switched-Mode Power Supply Supporting Burst-Mode Operation
FSCIZ200103002US0	2002-02-06	10/071494	2011-08-30	8008725	US	Field Transistors For Electrostatic Discharge Protection And Methods For Fabricating The Same
FSCIZ200103002US1	2011-07-15	13/183761	2012-12-11	8329548	US	Field Transistors For Electrostatic Discharge Protection And Methods For Fabricating The Same
FSCIZ200102008US0	2002-04-15	10/123007	2003-07-29	6600206	US	High Voltage Semiconductor Device Having High Breakdown Voltage Isolation Region
FSCIZ200102007US0	2002-04-10	10/120207	2004-12-21	6833585	US	High Voltage Lateral Dmos Transistor Having Low On-Resistance And High Breakdown Voltage
FSCIZ200102003US0	2002-06-10	10/167067	2006-06-13	7061080	US	Power Module Package Having Improved Heat Dissipating Capability
FSCIZ200102003US1	2004-10-26	10/974357	2007-04-24	7208819	US	Power Module Package Having Improved Heat Dissipating Capability
FSCIZ200008003US0	2001-08-15	09/930617	2003-01-21	6509708	US	Motor Driving Circuit Using A PWM Input Signal
FSCIZ200008002US0	2001-07-02	09/896120	2003-09-16	6621152	US	Thin, Small-Sized Power Semiconductor Package
FSCIZ200007006US0	2001-11-09	10/045350	2005-05-31	6900520	US	Semiconductor Element And Manufacturing Method Thereof

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FSCIZ200007004US1	2003-11-18	10/714607	2006-10-31	7129542	US	High Voltage Semiconductor Device Having High Breakdown Voltage And Method Of Fabricating The Same
FSCIZ200007003US0	2001-02-26	09/791629	2003-06-03	6574107	US	Stacked Intelligent Power Module Package
FSCIZ200002002US0	2001-02-22	09/789557	2002-08-13	6432750	US	Power Module Package Having Insulator Type Heat Sink Attached To Rear Surface Of Lead Frame And Manufacturing Method Thereof
FSCIZ200001004US0	2001-09-14	09/953513	2003-07-15	6593709	US	Dual Mode Electronic Dimmer
FSCIZ199910004US0	2001-02-23	09/790816	2002-09-10	6448588	US	Insulated Gate Bipolar Transistor Having High Breakdown Voltage In Reverse Blocking Mode
FSCIZ199910002US0	2001-02-23	09/790815	2002-11-26	6486512	US	Power Semiconductor Device Having High Breakdown Voltage And Method For Fabricating The Same
FSCIZ199908002US0	2000-08-22	09/643534	2002-04-30	6381151	US	High Efficiency Switching Controller
FSCIZ199908001US0	2000-09-29	09/677558	2008-11-11	7449774	US	Semiconductor Power Module Having An Electrically Insulating Heat Sink And Method Of Manufacturing The Same
FSCIZ199908001US1	2006-01-06	11/327073	2009-03-10	7501700	US	Semiconductor Power Module Having An Electrically Insulating Heat Sink And Method Of Manufacturing The Same
FSCIZ199907002US1	2003-01-08	10/337872	2004-06-29	6756689	US	Power Device Having Multi-Chip Package Structure
FSCIZ199907001US0	2000-08-23	09/644097	2001-12-11	6329706	US	Leadframe Using Chip Pad As Heat Conducting Path And Semiconductor Package Adopting The Same
FSCIZ199906001US0	2000-09-06	09/656145	2001-11-13	6316882	US	Electronic Ballast Having A Stable Reference Voltage And A Multifunction Input For Soft Dimming And ON/OFF Control
FSCIZ199904002US0	1999-10-18	09/420437	2001-02-20	6191958	US	Horizontal Deflection Apparatus
FSCIZ199904001US0	2000-04-10	09/545919	2001-06-26	6252783	US	Switching Power Supply Having A Low Power Burst Mode
FSCIZ199901001US0	2000-05-01	09/561679	2001-04-10	6215255	US	Electric Ballast System
FSCIZ199810008US0	2000-05-19	09/574276	2001-07-17	6262542	US	Electronic Ballast System
FSCIZ199810006US0	2000-06-08	09/590324	2001-09-18	6291950	US	Motor Drive System With Variable Gain
FSCIZ199807001US0	1999-08-17	09/376034	2001-01-30	6181093	US	Commutation Circuit For A Sensorless Three-Phase Brushless Direct Curent Motor
FSCIJ199704001US0	1998-12-18	09/215372	2001-02-27	6194760	US	Double-Diffused Mos Transistor And Method Of Fabricating The Same
FSCIJ199610026US0	1998-03-27	09/049601	2001-02-13	6188104	US	Trench DMOS Device Having An Amorphous Silicon And Polysilicon Gate
FSCIJ199610023US0	1997-10-08	08/947091	2000-02-15	6025237	US	Methods Of Forming Field Effect Transistors Having Graded Drain Region Doping Profiles Therein

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FSCIJ199610005US0	1998-01-05	09/002826	1999-11-16	5986863	US	Electrostatic Discharge Protection Circuits Including Circumferential Guard Rings
FSCIJ199609006US0	1998-01-15	09/007534	1999-06-15	5913114	US	Method Of Manufacturing A Semiconductor Device
FSCIB199901003US0	2000-03-24	09/533824	2002-02-05	6344676	US	Power Semiconductor Device Having Low On-Resistance And High Breakdown Voltage
FSCIB199901002US0	2000-03-24	09/533816	2003-12-16	6664595	US	Power MOSFET Having Low On-Resistance And High Ruggedness
FSCIB199810015US0	2000-01-07	09/478800	2001-07-31	6268626	US	DMOS Field Effect Transistor With Improved Electrical Characteristics And Method For Manufacturing The Same
FSCIB199809016US0	2000-05-04	09/565298	2002-08-13	6433497	US	Drive Circuit Of A Three Phase Bldc Motor
FSCIB199809015US0	1999-11-04	09/434038	2001-06-19	6249096	US	Apparatus And Method For Determining Commutation Time Of Sensorless Brushless Direct Current (BLDC) Motor
FSCIB199809014US0	2000-05-05	09/565088	2001-02-20	6191565	US	Power Factor Compensation Controller
FSCIB199809003US0	1999-12-02	09/452201	2002-02-19	6348716	US	Horizontal Mos Gate Type Semiconductor Device Including Zener Diode And Manufacturing Method Thereof
FSCIB199808005US0	2001-01-17	09/761902	2003-01-14	6507080	US	Mos Transistor And Fabrication Method Thereof
FSCIB199807006US0	1999-10-20	09/421681	2002-05-21	6392275	US	Semiconductor Device With DMOS, BJT And CMOS Structures
FSCIB199805010US0	1999-09-30	09/409914	2001-03-27	6207484	US	Method For Fabricating Bicdmos Device And Bicdmos Device Fabricated By The Same
FSCIB199804344US0	1999-08-05	09/369487	2001-07-17	6262470	US	Trench-Type Insulated Gate Bipolar Transistor And Method For Making The Same
FSCIB199804302US0	1999-08-17	09/376710	2001-06-26	6252279	US	Dmos Transistor Having A High Reliability And A Method For Fabricating The Same
FSCIB199804298US0	1999-08-17	09/376762	2001-04-10	6215149	US	Trenched Gate Semiconductor Device
FSCIB199804291US0	1999-09-24	09/405030	2002-04-02	6365965	US	Power Semiconductor Module With Terminals Having Holes For Better Adhesion
FSCIB199804290US0	1999-10-20	09/421292	2001-05-08	6229179	US	Intelligent Power Integrated Circuit
FSCIB199804227US0	1999-05-17	09/313059	2001-02-13	6188587	US	Switching Mode Power Supply Having Reduced Switching Losses In Standby Mode
FSCIB199804079US0	2000-01-17	09/483915	2001-05-01	6225753	US	Electronic Ballast That Is Controlled By The Operation Of A Shared Switch
FSCIB199804074US0	1999-08-27	09/384898	2001-01-09	6172573	US	Oscillator Having Compensation For A Schmitt Trigger Response Delay
FSCIB199804072US0	1999-11-05	09/435290	2000-09-26	6125046	US	Switching Power Supply Having A High Efficiency Starting Circuit
FSCIB199804069US0	1999-12-16	09/465086	2000-09-19	6122180	US	Smps With Constant Power Control Circuit
FSCIB199801003US0	1999-05-17	09/313505	2001-01-23	6178104	US	Power Factor Correction Circuit Using Reverse Sawtooth Waves

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FSCIB199710441US0	1999-05-18	09/313198	2000-12-12	6160306	US	Diode Of Semiconductor Device And Method For Manufacturing The Same
FSCIB199710212US0	1999-06-11	09/330617	2001-02-27	6194861	US	Circuit And Method For Sensorless Brushless Direct Current (BLDC) Motor
FSCIB199710210US0	1999-04-28	09/302077	2001-04-03	6211744	US	Ring Oscillator Having An Externally Adjustable Variable Frequency
FSCIB199710204US0	1999-05-24	09/316553	2000-05-23	6066929	US	Frequency Generator Circuit For A Brushless Dc Motor Control System
FSCIB199710051US0	1999-08-18	09/376845	2000-10-17	6133712	US	Battery Charge Controller Having An Adjustable Termination Current
FSCIB199710022US0	1999-05-24	09/317805	2001-07-10	6259613	US	Power Factor Correction (PFC) Circuit
FSCIB199710021US0	1999-05-26	09/320298	2001-01-16	6175218	US	Power Factor Correction (PFC) Controller
FSCIB199710012US0	1999-02-10	09/247507	2001-08-28	6281548	US	Power Semiconductor Device Using Semi-Insulating Polycrystalline Silicon
FSCIB199710012US1	2000-08-31	09/653550	2002-02-12	6346444	US	Power Semiconductor Device Using Semi-Insulating Polycrystalline Silicon And Fabrication Method Thereof
FSCIB199704482US1	2002-01-28	10/059937	2004-01-06	6674123	US	Mos Control Diode And Method For Manufacturing The Same
FSCIB199704300US0	1998-12-15	09/212087	2000-11-21	6151225	US	Switching Mode Power Supply
FSCIB199704274US0	1998-08-25	09/139952	2000-05-16	6064175	US	Sensorless Three-Phase Brushless Dc Motor Drive Circuit
FSCIB199704264US0	1998-09-25	09/161116	2002-08-13	6433386	US	Sense FET Having A Selectable Sense Current Ratio And Method Of Manufacturing The Same
FSCIB199704131US0	1998-09-09	09/150171	2000-03-21	6040219	US	Method Of Fabricating Power Semiconductor Device Using Semi-Insulating Polycrystalline Silicon (SIPOS) Film
FSCIB199704115US0	1998-11-12	09/190951	2000-02-08	6023140	US	Method And Apparatus For Detecting A Rotor Position In A Disc-Based Storage Media And Driving Same
FSCIB199704098US0	1998-06-09	09/094391	2000-07-04	6084451	US	Pulse Width Modulation Controller Operational In Both Current And Voltage Mode
FSCIB199702004US0	1998-05-19	09/081832	2001-04-10	6215167	US	Power Semiconductor Device Employing Field Plate And Manufacturing Method Thereof
FSCIB199610209US0	1998-01-14	09/007878	2000-04-18	6051488	US	Methods Of Forming Semiconductor Switching Devices Having Trench-Gate Electrodes
FSCIB199610187US0	1998-03-11	09/038871	2000-08-29	6111278	US	Power Semiconductor Devices Having Discontinuous Emitter Regions Therein For Inhibiting Parasitic Thyristor Latch-Up
FSCIB199610185US0	1998-08-06	09/129997	2000-09-26	6124605	US	Insulated Gate Bipolar Transistor With Latch-Up Protection
FSCIZ201102001US	2012-05-18	13/475730	2013-08-20	8514591	US	Power Supply Device And Driving Method Thereof
FSCIZ201102002US	2012-05-18	13/475696	2015-04-07	9001533	US	Feedback Circuit And Power Supply Device Including The Same

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FSCIZ201011002US0	2012-04-05	13/440787	2015-01-20	8937462	US	Overvoltage Repetition Prevention Circuit, Method Thereof, And Power Factor Compensation Circuit Using The Same
FSCIZ201103005US	2012-02-17	13/399085	2013-12-17	8610480	US	Clock Signal Generating Circuit And Power Supply Including The Same
FSCIZ201007004US0	2012-02-01	13/364026	2014-09-02	8824182	US	Switch Controller And Converter Including The Same
FSCIZ201012008US0	2012-04-10	13/443371	2014-03-18	8674402	US	Power Semiconductor Device And Methods For Fabricating The Same
FSCIZ200701003US1	2012-04-03	13/438777	2014-03-11	8670252	US	Switch Controller, Switch Control Method, Converter Using The Same, And Driving Method Thereof
FSCIZ200604002US1	2012-03-01	13/410228	2013-05-21	RE44228	US	Switching Mode Power Supply And Driving Method
FSCIZ201002001US1	2011-07-21	13/187741	2015-04-07	9000744	US	Switch Control Device With Zero-Cross Point Estimation By Edge Detection, Power Supply Device Comprising The Same, And Switch Control Method With Zero-Cross Point Estimation By Edge Detection
FSCIZ201103009US0	2012-07-26	13/559218	2013-10-15	8558608	US	Poly Silicon Resistor, Reference Voltage Circuit Comprising The Same, And Manufacturing Method Of Poly Silicon Resistor
FSCIZ201103004US0	2012-08-09	13/570628	2014-12-16	8912724	US	Led Emitting Device And Driving Method Thereof
FSCIZ201105005US0	2012-08-13	13/584408	2015-04-07	9001541	US	Switch Control Circuit, Power Factor Corrector Including The Same, And Driving Method Of The Power Factor Corrector
FSC74874US01	2014-03-14	14/211635	2016-10-04	9461548	US	Switch Control Circuit, Switch Control Method And Power Supply Device Using The Same
FSC74870US01	2014-02-25	14/189495	2017-01-24	9553462	US	Voltage Measuring Apparatus And Battery Management System Including The Same
FSC74869US01	2014-02-25	14/189212	2017-05-09	9645201	US	Voltage Measuring Apparatus And Battery Management System Including The Same
FSCIZ201108002US0	2012-11-15	13/677834	2015-01-13	8933674	US	Switch Controller, Switch Control Method, And Power Supply Device Comprising The Switch Controller
FSCIZ201107002US	2012-11-15	13/677799	2016-04-12	9312774	US	Switch Control Method, Switch Controller, And Converter Comprising The Switch Controller
FSCIZ200811003US1	2012-11-14	13/676938	2013-07-09	8482886	US	Protection Circuit, Resonant Converter Including The Protection Circuit, And Protecting Method Of The Resonant Converter
FSC74868US01	2014-02-06	14/174394	2017-03-21	9602941	US	Jack Detector And Jack Detecting Method
FSC74945US01	2014-06-11	14/301970	2016-05-24	9350341	US	Gate Driver, Switch Control Circuit And Power Supply Device Comprising The Gate Driver Circuit
FSCIZ201109004US0	2013-01-18	13/744886	2016-04-26	9325255	US	Switch Controller, Switch Control Method, And Power Supply Device Comprising The Switch Controller

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FSCIZ201111002US0	2013-05-03	13/886412	2015-05-19	9035681	US	Switch Controller, Switch Control Method, And Power Supply Device Comprising The Switch Controller
FSCIZ200803004US1	2013-02-21	13/772741	2013-10-15	8557674	US	High Voltage Semiconductor Device Including Field Shaping Layer And Method Of Fabricating The Same
FSCIZ201105006US	2013-06-26	13/928186	2016-02-09	9257502	US	Level Shift Power Semiconductor Device
FSCIZ201108003US0	2013-03-18	13/845932	2015-08-04	9101032	US	LED Emitting Device And Driving Method Thereof
FSCIZ201205005US1	2013-06-19	13/921474	2015-11-10	9184653	US	Short Sensing Circuit, Short Sensing Method And Power Supply Device Comprising The Short Sensing Circuit
FSCIZ201011001P01US	2013-05-21	13/899240	2017-06-20	9685870	US	Phase-Cut Pre-Regulator And Power Supply Comprising The Same
FSC74941US01	2014-06-02	14/293155	2016-11-22	9504104	US	Power Supply Apparatus And Driving Method Thereof
FSCIZ201112006US	2013-05-08	13/889704	2016-06-21	9374002	US	Switch Control Circuit, Coupled Inductor Boost Converter Including The Same, And Driving Method Of The Coupled Inductor Boost Converter
FSCIZ201112002US	2013-05-07	13/888688	2016-07-19	9397284	US	Piezoelectric Circuit, Piezoelectric Driving Circuit For The Piezoelectric Circuit, And Piezoelectric Driving Method
FSC75063US01	2014-10-22	14/520410	2016-05-24	9350257	US	Power Supply Apparatus And Driving Method Thereof
FSC74905US01	2013-08-08	13/962485	2016-05-03	9331604	US	Piezoelectric Driving Circuit And Piezoelectric Driving Method
FSC74910US01	2013-08-13	13/965485	2016-06-07	9362843	US	Switch Control Device, Power Supply Device Comprising The Same, And Driving Method Of Power Supply Device Utilizing Turn-On Period Half-On Time Point Detection
FSCIZ201205002US1	2013-06-18	13/920448	2017-03-07	9590509	US	Power Supply Device
FSCIZ201105002US1	2012-05-24	13/479780	2014-09-23	8841850	US	Dimming Angle Sensing Circuit And Driving Method Thereof
FSCIZ201103010US1	2012-05-22	13/477869	2016-10-11	9,468,048	US	Input Current Regulator, Driving Method Thereof, And Disable Circuit Thereof
FSCIZ201105001US1	2012-05-17	13/473908	2014-08-26	8816592	US	Active Damper And Driving Method Thereof
FSC74901US01	2013-11-25	14/088607	2016-05-24	9350161	US	Undervoltage Lockout Circuit, Switch Control Circuit And Power Supply Device Comprising The Undervoltage Lockout Circuit
FSC74911US01	2013-11-07	14/074182	2016-04-05	9306244	US	Bidirectional Interface Circuit And Battery Management System Including The Same
FSC74914US01	2013-12-20	14/136260	2017-04-18	9627906	US	Load/Charger Detection Circuit, Battery Management System Comprising The Same And Driving Method Thereof
FSC75053US01	2014-11-18	14/546624	2016-10-11	9467137	US	Input Current Control Method, Switch Control Circuit And Power Supply Including The Switch Control Circuit

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FSC75062US02	2014-06-26	14/316248	2017-06-20	9685335	US	Power Device Including A Field Stop Layer
FSCIZ201202002US	2013-08-10	13/964042	2015-08-04	9099940	US	Piezoelectric Driving Circuit And Driving Method Thereof
FSC75067US03	2014-07-07	14/324704	2017-08-29	9748849	US	Power Supply
FSCIZ201008004US1	2013-09-27	14/039296	2014-08-05	8797071	US	Semiconductor Device Including Power-On Reset Circuit
FSCIZ201103005D01US	2013-11-25	14/089063	2014-09-23	8841960	US	Clock Signal Generating Circuit And Power Supply Including The Same
FSC75113US01	2014-10-29	14/527033	2017-10-24	9800136	US	Active Damper And Power Supply Including The Same
FSC74934US02	2013-10-25	14/063282	2014-11-04	8878593	US	Switch Control Circuit And Power Supply Device Including The Same
FSC75095US01	2014-12-02	14/557880	2017-06-13	9680455	US	Clamping Circuit, Power Supply Device Including The Same And Driving Method Of Power Supply Device
FSCIZ201012008US1	2014-01-27	14/165187	2015-06-30	9070713	US	Power Semiconductor Device And Methods For Fabricating The Same
FSCIZ200612001US2	2014-05-28	14/289399	2015-09-08	9130065	US	Power Module Having Stacked Flip-Chip And Method For Fabricating The Power Module
FSC75157US01	2014-06-13	14/303911	2016-05-24	9350258	US	Conduction Detecting Circuit, Rectifying Switch Controlling Circuit Including The Conduction Detecting Circuit And Power Supply For The Rectifying Switch Controlling Circuit To Be Applied
FSC75116US02	2014-07-29	14/446273	2016-07-26	9401652	US	Primary Side Regulator
FSC75098US02	2014-09-23	14/494112	2017-09-12	9762068	US	Wireless Power Transfer System
FSC75248US02	2015-05-12	14/709786	2017-05-30	9666512	US	Semiconductor Package
FSC75240US02	2015-03-25	14/668852	2016-11-22	9502983	US	Power Supply Device
FSC75246US02	2015-04-03	14/678504	2016-11-01	9482724	US	Load Detecting Method And Power Supply Device Where The Method Is Applied
FSC75247US02	2015-05-07	14/706472	2017-07-25	9716399	US	Vehicle Charger
FSC75245US02	2015-04-29	14/699732	2017-09-05	9755625	US	Pulse Generator And Driving Circuit Comprising The Same
FSC75143US02	2016-05-27	15/166,847	2017-08-29	9748935	US	Signal Calculator
FSC75274US02	2015-06-24	14/748997	2017-08-15	9735565	US	Bi-Directional Transmitter/Receiver Comprising Temperature Sensor And Driving Circuit Comprising The Same
FSCIZ201205002US2	2015-09-14	14/853525	2017-05-09	9647564	US	Power Supply Device
FSC75301US02	2015-12-10	14/964998	2017-11-07	9812855	US	Resonant Converter And Driving Method Thereof
FSC75301US03	2015-12-10	14/965238	2017-11-07	9812856	US	Modulation Mode Control Circuit, Switch Control Circuit Including The Modulation Mode Control Circuit And Power Supply Device Including The Switch Control Circuit
FSC75164US01	2015-02-11	14/619403	2017-05-09	9647528	US	Switch Control Circuit And Resonant Converter Including The Same

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FSC75165US01	2015-02-05	14/614605	2017-04-18	9627988	US	Switch Control Circuit And Resonant Converter Including The Same
FSC75167US01	2015-02-11	14/619201	2017-08-08	9729072	US	Resonant Converter And Driving Method Thereof
FSCIZ200312002US1	2011-12-14	13/325690			US	Superjunction Semiconductor Device
FSCIZ201112007US	2013-05-08	13/889789			US	Switch Controller, Power Supply Device Comprising The Same, And Driving Method Of The Power Supply Device
FSC75052US01	2014-10-15	14/514802			US	Converter And Driving Method Thereof
FSC74924US02	2013-08-02	13/957660			US	Cable Compensation Circuit
FSC75048US01	2014-12-11	14/567693			US	Sensing Resistor Short Determiner, Switch Control Circuit Including The Same And Power Supply Including The Switch Control Circuit
FSC74952US02	2013-11-27	14/091978			US	Cable Compensation Circuit And Power Supply Including The Same
FSC75042US01	2014-10-14	14/513456			US	Power Module Package And Method Of Manufacturing The Same
FSC75099US02	2014-09-26	14/498140			US	Wireless Power Transfer System And Driving Method Thereof
FSC75174US01	2015-09-04	14/845939			US	Power Semiconductor Devices
FSC75187US01	2016-10-28	15/337748			US	Power Semiconductor Device
FSC75244US02	2015-06-17	14/742328			US	Power Device And Method For Fabricating The Same
FSC75229US01	2014-12-19	14/576402			US	Method And Apparatus For Charging A Battery
FSC75184US	2015-01-16	14/598451			US	Primary Side Regulation Power Supply Device
FSC75241US02	2015-04-03	14/678262			US	Load Detecting Device
FSC75350US02	2016-03-22	15/077,280			US	Filter Capacitor Current Compensation For Better PF
FSC75373US01	2016-06-29	15/196348			US	The Method To Detect Zero Cross Of The Line
FSC75372US02	2016-06-29	15/196678			US	Full ZVS Control Method For CRM Synchronous Buck Converter
FSC75366US02	2016-05-13	15/154094			US	Overcurre Nt Protection Circuit And Power Factor Correction Circuit Comprising The Same
FSC75385US02	2016-05-03	15/145079			US	Low EMI Planar Transformer Structure
FSC75466US03	2017-01-30	15/418887			US	Active Clamp Flyback Converter
FSC75399US01	2016-06-29	15/196559			US	Advanced Closed Loop Soft-Start
FSC75400US01	2016-06-29	15/196409			US	Switch Control Circuit And Buck Converter Comprising The Same
FSC75404US02	2016-07-07	15/204138			US	Power On Reset Circuit And Under-Voltage Lockout Circuit Comprising The Same
FSC75145US01	2015-01-15	14/597660			US	Switch Control Circuit And Power Supply Device Including The Same

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FSC75387US02	2016-12-15	15/380248			US	Reference Voltage Generation For Dimming
FSC75421US02	2016-12-15	15/380254			US	Led Driving Circuit, Led Device Comprising The Same, And Driving Method Of Led
FSC75446US02	2016-12-28	15/392964			US	Power Factor Correction Circuit And Driving Method Thereof
FSC75429US02	2016-12-22	15/388243			US	LED Lighting Circuit With Ripple Reducer
FSC75458US02	2016-12-22	15/388322			US	Circuit Board With Thermal Paths For Thermistor
FSC75454US02	2016-12-09	15/374239			US	Planar Transformer With Multilayer Circuit Board
FSCIZ201112005D01US	2017-01-03	15/397468			US	Power Device And Fabricating Method Thereof
FSC75156C01US	2017-03-01	15/446513			US	Switch Control Circuit Including Multipin To Set Dead Time Information And/Or Protection Mode
FSCIZ201101003C01US	2017-03-09	15/454861			US	Semiconductor Device With Super Junction And Method Of Manufacturing The Same
FSC75062D01US	2017-05-05	15/588270			US	Power Device And Method Of Manufacturing The Same
FSCIZ201011001CP01US	2017-05-04	15/586597			US	Phase-Cut Pre-Regulator And Power Supply Comprising The Same
FSC75274C01US	2017-07-13	15/648648			US	Bi-Directional Transmitter/Receiver Comprising Temperature Sensor And Driving Circuit Comprising The Same
FSC75167C01US	2017-07-10	15/645372			US	Resonant Converter And Driving Method Thereof
FSCIZ200405006TW0	2005-09-16	94131982	2009-03-11	I307570	TW	Power Factor Correction Circuit
FSCIZ200405005TW0	2005-09-16	94131983	2010-03-01	I321272	TW	Power Factor Correction Circuit And Controlling Method Of Output Voltage Thereof
FSCIZ201107003KR	2012-06-29	20120071161			KR	Current Vector Controlled Deadtime For Multilevel Inverters
FSCIZ201103004KR	2011-08-09	20110079270			KR	Led Emitting Device And Driving Method Thereof
FSCIZ201102002KR	2011-06-08	20110055163			KR	Feedback Circuit And Power Supply Device Comprising The Same
FSCIZ201102001KR	2011-05-25	20110049737			KR	Power Supply Device And Driving Method Thereof
FSCIZ201011002KR	2011-04-13	20110034391			KR	Over Voltage Repetition Prevention Circuit, Method Thereof, And Power Factor Compensation Circuit Using The Same
FSC74941KR01	2013-06-04	10-2013-0064273			KR	Power Supply Apparatus And Driving Method Thereof
FSC74945KR01	2013-06-18	10-2013-0069928			KR	Gate Driver, Switch Control Circuit And Power Supply Device Comprising The Gate Driver Circuit
FSC74965KR01	2013-04-05	10-2013-0037683			KR	파워 모듈 및 그 제조 방법
FSC74944KR01	2014-04-16	10-2014-0045565			KR	Transformerless Dc/Ac Converter

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FSCIZ201112004KR1	2013-07-08	10-2013-0079956			KR	Switch Control Device, Power Supply Device Comprising The Same, And Driving Method Of Power Supply Device
FSC75059KR01	2013-12-23	10-2013-0161777			KR	Power Semiconductor Device And Method Of Manufacturing The Same
FSC75062KR01	2013-12-23	10-2013-0161778			KR	파워 소자 및 그의 제조 방법
FSC75162KR01	2015-04-17	10-2015-0054752			KR	Piezo Driving Circuit And Driving Method Of Piezo Circuit
FSC74976KR02	2014-01-16	10-2014-0005751			KR	Inverter And Driving Method Thereof
FSC75067KR01	2014-06-09	10-2014-0069346			KR	Power Supply
FSC75187KR02	2015-11-23	10-2015-0163987			KR	New Bootstrap Diode With Reduced Substrate Leakage Current
FSC74971KR01	2015-07-13	10-2015-0099220			KR	Transfer Molded Power Module
FSC75293KR01	2015-04-24	10-2015-0058263			KR	Semiconductor Package And A Method Of Manufacturing The Same
FSC75347KR01	2015-08-20	10-2015-0117345			KR	Super Junction Semiconductor Device And Method Of Manufacturing The Same
FSC75350KR01	2016-03-03	10-2016-0025905			KR	Power Factor Correction Circuit And Driving Method Thereof
FSC75373KR01	2016-06-29	10-2016-0081609			KR	Input Voltage Detecting Circuit And Power Supply Device Comprising The Same
FSC75372KR01	2016-06-29	10-2016-0081603			KR	Control Circuit For Zero Voltage Switching And Buck Converter Comprising The Same
FSC75366KR01	2016-05-13	10-2016-0058758			KR	Overcurrent Protection Circuit And Power Factor Correction Circuit Comprising The Same
FSC75385KR01	2016-05-03	10-2016-0054879			KR	Planar Magnetic Element
FSC75143KR03	2016-05-27	10-2016-0065812			KR	Signal Calculator
FSC75399KR01	2016-06-29	10-2016-0081602			KR	Soft-Start Circuit And Buck Converter Comprising The Same
FSC75400KR01	2016-06-29	10-2016-0081764			KR	Switch Control Circuit And Buck Converter Comprising The Same
FSC75401KR01	2016-06-29	10-2016-0081598			KR	Switch Control Circuit And Converter Comprising The Same
FSC75404KR01	2016-07-07	10-2016-0086288			KR	Power-On Reset Circuit And Under-Voltage Lockout Circuit Comprising The Same
FSC75462KR01	2016-09-26	10-2016-0123408			KR	Electrostatic Discharge Circuit And Manufacturing Method
FSC75264KR01	2016-11-01	20160144752			KR	Improved Vcs, Peak Sensing Method
FSC75387KR01	2016-12-14	10-2016-0170281			KR	Reference Voltage Generator And Led Device Comprising The Same
FSC75421KR01	2016-12-14	10-2016-0170282			KR	Led Driving Circuit, Led Device Comprising The Same, And Driving Method Of Led
FSC75446KR01	2016-12-29	10-2016-0183067			KR	Power Factor Correction Circuit And Driving Method Thereof

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FSC75466KR01	2017-03-06	10-2017-0028064			KR	Active Clamp Flyback
FSC75454KR01	2017-01-06	2020170000134			KR	Planar Transformer With Multilayer Circuit Board
FSCIZ200704002D02KR	2007-07-27	10-2016-0167968			KR	Converter And The Driving Method Thereof
FSCIZ200903002D01KR	2010-02-17	10-2017-0029067			KR	Control Device, Led Emitting Light Device Comprising The Same, And Control Method
FSCIZ201008001D01KR	2010-11-23	10-2017-0064911			KR	Apparatus And Method For Driving Light Emitting Diode
FSC75478KR	2017-07-11	1020170087934			KR	Variable Blanking Frequency For Resonant Converters
FSC75506KR	2017-08-14	10-2017-0102860			KR	Hybrid Dimming
FSC75487KR	2017-08-18	10-2017-0104695			KR	Non Zero-Voltage Switching (Zvs) Detection In Resonant Converters
FSC75488KR	2017-08-18	10-2017-0104748			KR	Resonant Capacitor Stabilizer In Resonant Converters
FSC75497KR	2017-08-18	10-2017-0104680			KR	Short-Circuit Protection Using Pulse Width Modulation (Pwm) For Resonant Converters
FSC75498KR	2017-08-18	10-2017-0104708			KR	Burst Mode Control In Resonant Converters
FSCIZ201004001D01KR	2010-08-05	10-2017-0115437			KR	Led Emitting Device And Driving Method Thereof
FSCIZ201110005	2012-01-06	20-2012-0000159	2017-01-16	20-0482423	KR	Semiconductor Package
FSCIZ201110004KR	2012-01-06	20-2012-0000158	2017-04-13	2004832540000	KR	Semiconductor Package
FSCIZ201103005KR	2011-07-01	20110065650	2017-07-05	10-1756944	KR	Clock Signal Generation Circuit And Power Supply Device Comprising The Same
FSCIZ201012008	2011-04-15	20110035212	2012-01-20	101106535	KR	A Power Semiconductor Device And Methods For Fabricating The Same
FSCIZ201011001KR	2011-02-08	20110011122	2017-08-10	10-1769130	KR	Power Supply, Apparatus And Method For Controlling Link Voltage Control Switch
FSCIZ201008004	2011-01-11	20110002882	2016-08-09	101646910	KR	Semiconductor Device Including Power On Reset Circuit
FSCIZ201008003KR01	2010-12-13	10-2010-0127183	2017-04-20	10-1730629	KR	Power Converting Apparatus And Method Of Sensing Output Current Thereof
FSCIZ201007006KR	2011-01-03	20110000293	2017-06-29	10-1754111	KR	Adaptive Overvoltage Protection Circuit And Method, And Power System Including The Same
FSCIZ201007003KR01	2010-11-01	10-2010-0107697	2017-08-09	10-1768693	KR	Apparatus And Method For Discharging Capacitor Of Input Filter Of Power Supply, And Power Supply Including The Apparatus
FSCIZ201007001KR	2010-10-25	20100103824	2017-06-02	10-1745704	KR	Power Factor Correction Circuit And Driving Method Thereof
FSCIZ201004003KR	2010-09-27	10-2010-0093421	2017-02-14	101708483	KR	Duty Balancing Oscilator
FSCIZ201003006KR	2010-08-05	10-2010-0075544	2017-05-18	10-1739552	KR	Hold-Up Time Extending Circuit And Converter Comprising The Same
FSCIZ201003002KR	2010-07-29	10-2010-0073628	2017-05-18	10-1739551	KR	Switch Control Device

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FSCIZ201002002KR	2010-09-28	20100093806	2017-03-02	10-1713993	KR	Driver And High Voltage Drive Circuit Including The Same
FSCIZ201001003KR	2010-06-24	20100060098	2017-02-15	1017088220000	KR	Interlock Circuit And Interlock System Including The Same
FSCIZ200911003KR	2010-08-05	10-2010-0075542	2017-05-18	10-1739550	KR	Thermal Shutdown Unit, Switch Controller Including The Same, And Control Method Of Thermal Shut Down Protection Operation
FSCIZ200911001KR	2010-10-07	20100097668	2017-06-02	10-1745703	KR	Inverter And Driving Method Thereof
FSCIZ200908002	2009-12-31	20090136121	2016-11-14	10-1677731	KR	Auto Restart Circuit And Auto Restart Method
FSCIZ200907001	2010-02-10	10-2010-0012401	2017-01-16	10-1698431-00-00	KR	Semiconductor Power Module Package And Methods Of Fabricating The Same
FSCIZ200906003	2009-08-14	20090075434	2016-11-14	10-1677730	KR	Led Light Emitting Device
FSCIZ200906002	2010-04-29	10-2010-0040149	2016-09-09	10-1658211	KR	Pulse Width Filter
FSCIZ200904004	2010-02-19	20100015421	2016-11-14	10-1677729	KR	Switch Control Device, Power Supply Device Comprising The Same, And Switch Control Method
FSCIZ200904002KR	2010-03-12	20100022486	2017-05-18	10-1739549	KR	Power Factor Correction Circuit And Driving Method Thereof
FSCIZ200904001	2010-02-19	10-2010-0015410	2016-09-09	10-1658210	KR	Preheatingcontrol Device, Lamp Driving Device Comprising The Same, And Preheating Control Method
FSCIZ200903006KR	2010-02-24	20100016766	2017-02-14	101708482	KR	Switch Driving Circuit And Switch Driving Method
FSCIZ200903004	2009-06-26	10-2009-0057914	2016-09-09	10-1658209	KR	Led Light Emitting Device And Driving Method Thereof
FSCIZ200901003	2009-10-29	10-2009-0103640	2016-07-22	10-1643762	KR	Power Factor Correction Circuit And Driving Method Thereof
FSCIZ200901002	2009-10-26	10-2009-0101679	2016-11-14	10-1677728	KR	Power Factor Correction Circuit And Driving Method Thereof
FSCIZ200812002	2010-02-02	10-2010-0009732	2016-09-09	10-1658208	KR	Soft-Burst Circuit For Switched-Mode Power Supplies
FSCIZ200811004	2008-11-21	20080115991	2012-01-06	101103775	KR	Gan Semiconductor Device And Method For Fabricating The Same
FSCIZ200811003	2009-03-05	20090019019	2016-03-10	101602474	KR	Protection Circuit, Resonant Converter Comprising The Protection Circuit And Protecting Method Of The Resonant Converter
FSCIZ200810005	2009-06-25	20090057273	2016-08-01	101642486	KR	Inverter Device And Driving Method Thereof
FSCIZ200809006	2009-03-24	20090025102	2015-07-29	101539052	KR	Under-Voltage And Over-Voltage Detection Circuit And Driving Method Thereof
FSCIZ200809005	2009-04-27	10-2009-0036735	2016-10-25	1670994	KR	Power Factor Correction Circuit And Driving Method Thereof
FSCIZ200809004	2009-02-05	20090009276	2015-06-22	101530358	KR	Control Switch And Switch Control Method
FSCIZ200809003	2009-04-23	20090035525	2015-12-21	101578782	KR	Power Semiconductor Device
FSCIZ200808001	2008-11-28	20080119852	2015-01-06	101478352	KR	Abnormal Switching Monitoring Device And Abnormal Switching Monitoring Method
FSCIZ200807003	2009-05-21	20090044551	2016-05-13	101620439	KR	Switch Driving Circuit
FSCIZ200807001KR	2010-02-16	10-2010-0013859	2017-03-21	10-1720321-00-00	KR	Power Module Package And Methods Of Fabricating The Same

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FSCIZ200806002	2008-10-31	20080108070	2015-07-01	101532423	KR	Power Factor Correction Circuit And Driving Method Thereof
FSCIZ200806001	2008-07-25	20080073217	2015-03-05	101497062	KR	Switch Controller, Switch Control Method, And Converter Using The Same
FSCIZ200804005	2008-09-02	20080086472	2015-06-17	101527966	KR	Switch Mode Power Supply And The Driving Method Thereof
FSCIZ200804004	2008-09-12	20080090420	2015-07-01	101532424	KR	Electrostatic Discharge Diode
FSCIZ200804003	2008-05-16	20080045688	2015-03-24	101505553	KR	The Power Semiconductor Device And A Method Of Manufacturing The Same
FSCIZ200804001	2008-03-18	20080025003	2014-11-04	101457390	KR	METHOD FOR FABRICATING Gan SEMICONDUCTOR DEVICE
FSCIZ200803004	2008-07-04	20080065139	2014-07-11	101418398	KR	High Voltage Semiconductor Device Having Field Shaping Layer And Method Of Fabricating The Same
FSCIZ200803003	2008-11-06	20080110028	2015-05-04	101517207	KR	Control Device And LED Light Emitting Device Using The Control Device
FSCIZ200803002	2008-07-28	20080073654	2011-07-22	101051145	KR	Inverter And Lamp Driving Device Comprising The Same
FSCIZ200802003	2010-01-27	10-2010-0007472	2016-09-09	10-1658207	KR	Synchronous Rectification Circuit And Synchronous Rectification Method
FSCIZ200802001	2008-12-05	20080123150	2015-09-24	101555300	KR	Semiconductor Power Module Package Having External Boding Area
FSCIZ200801008	2008-07-15	20080068531	2015-02-04	101489962	KR	Power Converter, Switching Control Device Thereof And Driving Method Thereof
FSCIZ200801007	2008-06-25	20080060249	2015-11-18	101569903	KR	Switch Control Device And Converter Comprising The Same
FSCIZ200801006	2008-08-13	20080079287	2014-08-21	101431143	KR	Power Converter, Switching Control Device Thereof And Driving Method Thereof
FSCIZ200801005	2008-02-13	20080013172	2015-11-18	101569902	KR	Convertor
FSCIZ200801003	2008-06-02	20080051574	2015-07-03	101532422	KR	Driving Device
FSCIZ200801002	2008-05-29	20080050333	2014-10-01	101445842	KR	A Converter
FSCIZ200712004	2008-04-08	20080032705	2014-11-12	101460666	KR	Semiconductor Device And Methods For Fabricating The Same
FSCIZ200712002	2008-03-31	20080029918	2015-03-24	101505552	KR	Compound Semiconductor Package And Its Manufacturing Method
FSCIZ200712001	2008-02-28	20080018531	2015-06-01	101524545	KR	Power Device Package And The Method Of Fabricating The Same
FSCIZ200711006	2008-01-31	20080010368	2014-12-09	101471133	KR	Resonant Converter
FSCIZ200711005	2008-02-14	20080013646	2014-06-24	101410999	KR	Interleaved Switching Converter And Apparatus And Method For Controlling Thereof
FSCIZ200711004	2008-03-04	20080020136	2011-07-21	101051146	KR	Inverter Drives And Lamp Drives , Including This
FSCIZ200711003	2008-02-28	20080018530	2015-02-16	101493866	KR	Power Device Package And The Method Of Fabricating The Same
FSCIZ200711002	2008-04-02	20080030925	2015-09-30	101556395	KR	Convertor And The Driving Method Thereof

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FSCIZ200711001	2008-02-20	20080015509	2014-06-24	101411000	KR	Converter And The Driving Method Thereof
FSCIZ200710007	2008-01-04	20080001331	2014-03-27	101378568	KR	Synchronous Rectifier
FSCIZ200710004	2008-03-31	20080029917	2015-05-11	101519062	KR	Semiconductor Device Package Semiconductor Device Package
FSCIZ200710003	2008-03-28	20080029311	2015-06-02	101524544	KR	Power Device Package Having Thermal Electric Module Using Peltier Effect And The Method Of Fabricating The Same
FSCIZ200710002	2008-01-24	20080007554	2014-12-16	101472901	KR	Wafer Level Chip Scale Package Including Redistribution Substrate And Method Of Fabricating The Same
FSCIZ200710001	2008-02-04	20080011059	2014-10-14	101448850	KR	Semiconductor Package And Methods For Fabricating The Same
FSCIZ200709014	2008-01-22	20080006710	2014-10-23	101454321	KR	Semiconductor Package With Insulated Metal Substrate And Method Of Fabricating The Same
FSCIZ200709013	2007-11-30	20070123814	2015-03-25	101505551	KR	Semiconductor Power Module Package With Temperature Sensor Mounted Thereon And Method Of Fabricating The Same
FSCIZ200709012	2008-01-10	20080003057	2014-11-21	101463074	KR	Leadless Package
FSCIZ200709011	2007-11-05	20070112312	2014-07-11	101418397	KR	Semiconductor Package, And Method For Fabricating The Same
FSCIZ200709010	2007-12-06	20070126385	2014-12-15	101472900	KR	Molded Leadless Package And Methods Of Fabricating The Same
FSCIZ200709008	2007-11-16	20070117362	2015-10-21	101561934	KR	Semiconductor Package, And Method For Fabricating The Same
FSCIZ200709007	2007-11-16	20070117361	2015-02-17	101493865	KR	Semiconductor Power Module Package With Simplified Structure And Method Of Fabricating The Same
FSCIZ200709006	2008-02-04	20080011058	2014-11-20	101463075	KR	Heat Sink Package
FSCIZ200709005	2007-11-16	20070117360	2014-10-14	101448849	KR	Power Module And Method Of Fabricating The Same
FSCIZ200709004	2007-11-21	20070119309	2014-12-09	101469770	KR	Power Device Package And Method Of Fabricating The Same
FSCIZ200709003	2008-03-28	20080029322	2014-12-05	101463076	KR	High Voltage Semiconductor Device Having Level Shifters And Method Of Fabricating The Same
FSCIZ200709002	2008-03-12	20080022960	2014-12-05	101468719	KR	Power Converter And Driving Method Thereof
FSCIZ200707001	2008-03-13	20080023481	2015-02-06	101489328	KR	Esd Protection Device Having A Stack Type Scr With High Holding Voltage
FSCIZ200705002	2007-05-18	20070048599	2013-10-15	101318425	KR	Energy Transfer Element And Converter Including Thereof
FSCIZ200705001	2007-08-28	20070086541	2014-04-28	10-1391926	KR	Power Module Package
FSCIZ200704003	2007-05-02	20070042622	2014-05-14	101394612	KR	Lamp Ballast Circuit
FSCIZ200704002KR	2007-07-27	10-2007-0075584	2017-04-10	10-1727290	KR	Converter And The Driving Method Thereof
FSCIZ200704001	2007-11-19	20070118083	2014-07-10	101418396	KR	Power Semiconductor Device
FSCIZ200703002	2007-07-26	20070075119	2014-08-04	101425668	KR	Frequency Modulation Device And Switch Mode Power Supply Using The Same
FSCIZ200703001	2008-08-28	20080084710	2015-12-07	101574770	KR	SCR Which Is Controlled By The Power Bias

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FSCIZ200702006	2007-03-29	20070031145	2008-06-24	100840702	KR	Method For Fabricating Semiconductor Device
FSCIZ200702005	2007-03-07	20070022502	2008-09-08	100857683	KR	Gan Semiconductor Device And Method For Fabricating The Same
FSCIZ200702004	2007-07-03	20070066499	2014-04-21	101386975	KR	Lamp Ballast Circuit And Driving Method Thereof
FSCIZ200702003	2007-05-09	20070044959	2013-10-15	101318424	KR	Switching Mode Power Supply And The Driving Method Thereof
FSCIZ200702002	2007-07-04	20070066979	2014-05-14	101394613	KR	Diagnosis Circuit Apparatus And Lamp Ballast Circuit Using The Same
FSCIZ200701006	2007-04-05	20070033561	2013-06-26	101279071	KR	Energy Transfer Element And Converter Including Thereof
FSCIZ200701005	2007-05-21	20070049136	2013-07-10	101284827	KR	A Switch Controller, A Control Method Of The Switch, And A Converter Using The Switch Controller
FSCIZ200701004	2007-04-23	20070039286	2014-02-21	101365753	KR	Converter And The Driving Method Thereof
FSCIZ200701003	2007-04-25	20070040242	2014-03-10	101370650	KR	Switch Controller, A Control Method Of The Switch, The Converter, And The Driving Method Using The Switch Controller And The Control Method Of The Switch
FSCIZ200701002	2007-04-19	10-2007-0038336	2014-02-14	10-1365752	KR	Switching Mode Power Supply And Switch Thereof
FSCIZ200612003	2007-03-28	20070030307	2013-09-16	101309293	KR	Switching Mode Power Supply And The Driving Method Thereof
FSCIZ200612002	2007-02-28	20070020564	2014-05-07	101391925	KR	Semiconductor Package And Semiconductor Package Mold For Fabricating The Same
FSCIZ200612001	2007-03-12	20070024212	2015-02-06	101489325	KR	Power Module With Stacked Flip-Chip And Method Of Fabricating The Same Power Module
FSCIZ200611001	2006-11-21	20060115186	2014-06-16	101407245	KR	System For Fault Protection In Igbt
FSCIZ200609004	2006-11-29	20060119114	2013-06-14	101274213	KR	Switching Mode Power Supply And The Driving Method Thereof
FSCIZ200608006	2007-01-05	20070001666	2014-05-07	101391924	KR	Semiconductor Packages
FSCIZ200608004	2007-01-12	20070003957	2014-03-12	101371517	KR	High Voltage Semiconductor Device With Floating Regions For Reducing Electric Field Concentration
FSCIZ200608002	2006-12-29	20060137730	2013-01-08	10-1221807	KR	Smart Power Module
FSCIZ200608001	2006-12-12	20060126326	2013-07-31	101274212	KR	Power Factor Correction Circuit
FSCIZ200607001	2007-01-26	20070008300	2013-12-24	101345363	KR	Converter And The Driving Method Thereof
FSCIZ200606008	2006-07-19	20060067436	2013-02-25	101236955	KR	Switching Mode Power Supply And The Driving Method Thereof
FSCIZ200606007	2007-01-18	20070005484	2014-01-29	101357006	KR	Converter And The Driving Method Thereof
FSCIZ200606005	2006-12-13	20060126802	2013-12-02	101335619	KR	Integrated Semiconductor Module For Switched Reluctance Motor
FSCIZ200606002	2006-06-13	20060052860	2012-07-12	101165386	KR	Qusi-Resonat Converter And Controlling Method Thereof
FSCIZ200606001	2006-06-13	20060052861	2013-10-30	101323197	KR	The Converter Using Digital Soft Start Circuit
FSCIZ200605005	2006-08-11	20060076083	2013-06-28	101280426	KR	Three-Phase Inverter Circuit And Power Module Having The Same
FSCIZ200605004	2006-12-21	20060131948	2013-06-28	101280424	KR	3-Phase Asymmetric Inverter Circuit For Asymmetric Pwm Method

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FSCIZ200605002	2006-11-30	20060119726	2013-06-14	101274214	KR	Switch Mode Power Supply And The Driving Method Thereof
FSCIZ200605001	2006-11-15	20060113032	2013-06-27	101279574	KR	High Voltage Semiconductor Device And Method Of Fabricating The Same
FSCIZ200604003	2006-05-24	20060046810	2013-12-13	101340966	KR	3 Phase Inverter Module, Motor Driving Apparatus Using The Same, and Inverter Integrated Circuit Package
FSCIZ200604002	2006-10-13	20060099771	2013-03-28	101248605	KR	Switching Mode Power Supply And The Driving Method Thereof
FSCIZ200603001	2006-05-08	20060041070	2013-04-16	101255334	KR	Power Module For Low Thermal Resistance And Method Of Fabricating Of The Same Power Module
FSCIZ200602006	2006-04-04	20060030334	2012-07-03	101159820	KR	Resonant Inverter For Depressing A Duty Variation
FSCIZ200602004	2006-12-05	20060122421	2013-05-20	101265799	KR	Variable Mode Converter Control Circuit And Half-Bridge Converter Having The Same
FSCIZ200602003	2006-06-13	20060053238	2013-06-26	101278937	KR	Circuit And Module For Correcting A Power Factor
FSCIZ200602002	2006-05-24	20060046490	2013-06-26	101278951	KR	Mixed Type Frequency Compensating Circuit And Control Circuit Having The Same
FSCIZ200602001	2006-05-24	20060046489	2013-03-08	101241055	KR	Frequency Compensating Circuit Including A Current-Mode Active Capacitor And Control Circuit Having The Same
FSCIZ200601002	2006-05-19	20060045068	2013-02-25	101236954	KR	The Control Device Of Switch
FSCIZ200512002	2006-04-20	20060035935	2012-05-11	101143608	KR	Power Module For Energy Recovery And Sustain Of Plasma Display Panel
FSCIZ200512001	2006-03-03	20060020413	2013-01-14	101221805	KR	Package And Package Assembly For Power Device
FSCIZ200511001	2006-03-03	20060020351	2013-05-09	101262954	KR	Switching Mode Power Supply
FSCIZ200510002	2005-12-02	20050117246	2013-01-24	101226049	KR	Rc Oscillator Ic Having Capacitor Built-In
FSCIZ200510001	2005-12-02	20050117245	2012-11-09	101197512	KR	Ballast Integrated Circuit
FSCIZ200509001	2005-11-21	20050111139	2013-01-14	101221799	KR	Current Sensing Circuit And Boost Converter Including The Same
FSCIZ200508001	2005-12-14	20050122853	2007-04-06	100704119	KR	Current Controlled Switching Mode Power Supply
FSCIZ200506002	2005-10-25	20050100558	2013-03-26	101247801	KR	Switching Mode Power Supply
FSCIZ200506001	2005-10-24	20050100279	2013-07-22	101289072	KR	Charge Balance Insulated Gate Bipolar Transistor
FSCIZ200505004	2005-06-27	20050055907	2012-05-22	101146973	KR	Package Frame And Semiconductor Package Using The Same
FSCIZ200505003	2005-09-05	10-2005-0082449	2013-10-15	10-1321361	KR	Motor Driving Inverter Circuit Module, Motor Driving Apparatus Having The Motor Driving Inverter Circuit Module, And Inverter Integr
FSCIZ200505001KR0	2005-11-22	20050111881	2012-10-24	101194040	KR	High Voltage Integration Circuit With Freewheeing Diode Embedded In Transistor

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FSCIZ200504001	2006-06-22	20060056548	2013-02-28	101237345	KR	Power Semiconductor Device Using Silicon Substrate As Field Stop Layer And Method Of Manufacturing The Same
FSCIZ200503002	2006-06-15	20060053890	2013-01-14	101221806	KR	Power Integrated Circuit Device Having Embedded High-Side Power Switch
FSCIZ200503001	2005-07-20	20050065934	2012-08-10	101173273	KR	Apparatus For Controlling Cooling Device And Cooling System
FSCIZ200410001	2005-03-16	20050021874	2012-05-22	101146972	KR	High Voltage Integrated Circuit Device Having Diode Enduring High Voltage
FSCIZ200409001	2005-03-02	20050017238	2011-12-08	101091923	KR	Switching Mode Power Supply And Method For Producing Bias Voltage Thereof
FSCIZ200408003	2004-09-08	20040071789	2012-01-20	101106534	KR	Sawing Type Molded Leadless Package And Method Of Manufacturing The Same
FSCIZ200408002	2004-08-21	20040066176	2007-05-30	100723454	KR	Power Module Package With High Thermal Dissipation Capability And Method For Manufacturing The Same
FSCIZ200408001	2006-05-16	20060043947	2013-04-16	101255335	KR	Semiconductor Package And Method Of Fabricating The Same
FSCIZ200406001	2005-02-28	20050016423	2012-04-12	101126766	KR	Switching Mode Power Supply And Method For Protection Operation Thereof
FSCIZ200405010	2004-07-31	20040060691	2007-05-02	100712894	KR	Molded Leadless Package Having Improved Reliability And High Thermal Transferability
FSCIZ200405006	2004-09-21	20040075538	2011-03-31	101026248	KR	Power Factor Correction Circuit
FSCIZ200405005	2004-09-21	20040075537	2011-08-23	101058936	KR	Power Factor Correction Circuit And Controlling Method Of Output Voltage Thereof
FSCIZ200405001	2004-09-03	20040070287	2011-11-16	101083093	KR	Gate Driver Circuit
FSCIZ200403002	2004-08-05	20040061689	2011-03-16	101021993	KR	Switching Mode Power Supply And Switching Control Apparatus Thereof
FSCIZ200312002	2004-03-26	20040020762	2011-06-16	101042147	KR	Superjunction Semiconductor Device
FSCIZ200312001	2004-04-27	20040029182	2011-11-02	101078757	KR	High Voltage Gate Driver Integrated Circuit Including High Voltage Junction Capacitor And High Voltage Ldmos Transistor
FSCIZ200311003	2004-06-16	20040044481	2011-03-07	101020243	KR	Switching Mode Power Supply
FSCIZ200311002	2004-05-03	20040031006	2011-08-23	101058935	KR	Switching Mode Power Supply
FSCIZ200309002	2004-07-13	20040054344	2011-08-23	101058937	KR	Level Shift Circuit And Its Malfunction Prevention Methods
FSCIZ200308002	2003-10-14	20030071429	2011-01-14	101008534	KR	Power Semiconductor Mudule Package And Method For Fabricating The Same
FSCIZ200306003	2003-10-14	20030071424	2007-06-27	100732353	KR	Control Module Circuit Of Switching Power Supply Having Automatic Burst Mode Operation

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FSCIZ200305009	2004-05-19	20040035536	2012-03-28	101131180	KR	System And Method For Convertor
FSCIZ200304002	2003-09-08	20030062613	2010-10-08	100986762	KR	Switching Power Supply Apparatus And Power Supply Method Thereof
FSCIZ200303001	2003-11-28	20030085765	2010-11-16	100994719	KR	Superjunction Semiconductor Device
FSCIZ200302002	2003-02-24	20030011355	2009-11-17	100926932	KR	Semiconductor Package Having Anti-Oxidation Copper Wire And Method For Manufacturing The Same
FSCIZ200302001	2003-03-24	20030018304	2009-04-24	100894320	KR	Inverter Circuit Including Switching Element Having Gate Operated By High-Voltage Ic, In Which Latch On/Off Is Suppressed
FSCIZ200301001	2003-01-21	20030004025	2010-05-18	100958422	KR	Semiconductor Package Having Structure Using High Voltage
FSCIZ200212001	2003-04-09	20030022210	2010-03-18	100948139	KR	Lateral Double-Diffused Mos Transistor Having Multi-Current Migration Path For High Break-Down Voltage And Low On-Resistance
FSCIZ200211004	2003-05-26	20030033407	2011-09-27	101067495	KR	A Transconductance Control Circuit Of Rail-To-Rail Differential Input Stages
FSCIZ200211003	2003-04-01	20030020461	2010-05-26	100959900	KR	Output Terminal Circuit, In Which Shoot Through Current Is Reduced
FSCIZ200211002	2003-05-23	20030032911	2011-10-11	101072611	KR	Temperature Independent Current Source Circuit
FSCIZ200211001	2003-03-11	20030015104	2010-07-20	100971291	KR	Power Factor Correction Circuit And Method Thereof
FSCIZ200210006	2003-02-12	20030008800	2010-03-30	100950073	KR	Duty Control Circuit And Oscillator Including The Same
FSCIZ200210004	2002-11-27	20020074373	2006-11-30	100652448	KR	Slug Exposing-Typed Semiconductor Package For Good Reliability And Thermal Performance
FSCIZ200210003	2003-02-24	20030011437	2008-09-05	100856901	KR	Digital Soft Start Circuit For Pulse Width Modulation Signal Generator And Switching Mode Power Supply Including The Same For Reducing Power Consumption
FSCIZ200210002	2003-02-13	20030009054	2009-10-06	100919718	KR	Burst Dimming Circuit And Method Thereof
FSCIZ200210001	2002-10-21	20020064188	2007-08-22	100750906	KR	Switching Mode Power Supply For Low Power Operating
FSCIZ200208001	2002-10-24	20020065256	2007-05-30	100723453	KR	Semiconductor Package For Tab Bonding
FSCIZ200207003	2002-09-12	20020055387	2009-03-27	100890939	KR	Case Of Semiconductor Module Incapable Of Separating Bush
FSCIZ200206018	2002-08-19	20020048949	2009-10-06	100919717	KR	Driving Apparatus And Method Of Inverter
FSCIZ200206011	2002-10-29	20020066133	2011-09-22	101066996	KR	Pwm Signal Generator And Smps Including The Same
FSCIZ200206009	2002-10-29	20020066134	2009-08-06	100910857	KR	Method And Apparatus For Reducing Electromagnetic Interference
FSCIZ200206006	2002-09-06	20020053832	2009-12-03	100929685	KR	Device To Suppress The Double Pulses With No Bias Current And Switching Mode Power Supplies With Him
FSCIZ200206001	2002-09-27	20020058857	2009-06-15	100902766	KR	Discrete Package Having Insulated Ceramic Heat Sink

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FSCIZ200205004	2002-06-18	20020034141	2008-12-11	100873419	KR	Power Semiconductor Device Having High Breakdown Voltage, Low On-Resistance And Small Switching Loss
FSCIZ200205003	2002-09-14	20020055965	2010-05-18	100958421	KR	Power Device And Method For Manufacturing The Same
FSCIZ200205001	2002-07-22	20020043004	2009-03-04	100886809	KR	High Voltage Semiconductor Device Having Deep Trench Terminations And Method For Fabricating The Same
FSCIZ200202003	2002-05-10	20020025868	2008-07-04	100843737	KR	Semiconductor Package Having Improved Reliability Of Solder Joint
FSCIZ200111007	2001-12-21	20010082601	2008-09-05	100856900	KR	Burst Mode Switching Mode Power Supply
FSCIZ200111004	2002-02-19	20020008723	2009-03-04	100886808	KR	Power Semiconductor Module And Method For Assembling Power Semiconductor Module And Heat Sink
FSCIZ200811002	2008-11-26	20080118366	2009-09-15	100917170	KR	Power Semiconductor Module Assembly Having Heat Sink
FSCIZ200111003	2002-04-11	20020019762	2008-02-21	100806061	KR	Power Semiconductor Module For Preventing Chip Crack And For Improving Thermal Resistance
FSCIZ200111001	2002-04-17	20020020779	2008-11-10	100867573	KR	Power Module Package Having Improved Heat Emission Capacity And Method For Fabricating The Same
FSCIZ200805004	2008-05-29	20080050508	2008-11-10	100867575	KR	Power Module Package Improved Heat Radiating Capability And Method For Manufacturing The Same
FSCIZ200110002	2002-02-08	20020007528	2004-03-30	100425435	KR	Lateral Dmos Transistor Having Reduced Surface Field Structure And Method For Manufacturing The Same
FSCIZ200109001	2002-01-07	20020000743	2008-07-04	100843736	KR	Semiconductor Discrete Package Having Thin Thickness
FSCIZ200108007	2001-12-29	20010088285	2008-07-04	100843735	KR	Wafer Level Chip Scale Package Having Pillar At Solder Bump
FSCIZ200108005	2001-10-23	20010065325	2004-01-24	100416168	KR	Power Amplifier
FSCIZ200108004	2001-10-06	20010061636	2007-11-22	100778657	KR	Diode Package
FSCIZ200108003	2001-11-15	20010071045	2008-09-23	100859700	KR	Pad Exposed Type Semiconductor Package For Good Heat Radiation
FSCIZ200108002	2001-11-15	20010071044	2008-05-20	100830348	KR	Wafer Level Chip Size Package And Fabricating Method Thereof
FSCIZ200108001	2001-11-15	20010071043	2004-05-03	100429856	KR	Wafer Level Chip Scale Package Having Stud Bump And Fabricating Method Thereof
FSCIZ200106001	2001-11-08	10-2001-0069490	2004-08-20	10-0446277	KR	Semiconductor Power Package Module
FSCIZ200105003	2001-09-12	20010056219	2008-08-25	100854078	KR	Mos Gated Power Semiconductor Device And Method For Fabricating The Same
FSCIZ200105002	2002-01-25	20020004402	2008-06-20	100840246	KR	A Flyback Converter
FSCIZ200105001	2001-08-28	20010052116	2004-02-11	100418197	KR	Switched Mode Power Supply For Burst Mode Operation
FSCIZ200104005	2002-01-15	20020002228	2008-04-04	100819436	KR	Circuit For Power Factor Correction
FSCIZ200104003	2001-08-28	20010052102	2007-08-31	100753793	KR	Power Semiconductor Device Package And Method For Fabricating The Same

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FSCIZ200104002	2001-09-27	20010060125	2008-07-04	100843734	KR	Semiconductor Power Module And Fabricating Method Thereof
FSCIZ200103002	2001-02-20	20010008434	2003-07-31	100393200	KR	Filed Transistor For Protecting Circuit Device From Electrostatic Discharge And Fabricating Method Thereof
FSCIZ200102008	2001-04-16	20010020169	2002-12-05	100363101	KR	High Voltage Semiconductor Device Having High Breakdown Voltage Isolation Region
FSCIZ200102007	2001-04-16	20010020168	2003-07-31	100393201	KR	High Voltage Lateral Dmos Transistor Having Low On-Resistance And High Breakdown Voltage
FSCIZ200102004	2001-09-11	20010055911	2008-05-20	100830347	KR	Direct Chip Attaching Package, Method For Fabricating The Same, And Stacked Direct Chip Attaching Package
FSCIZ200102002	2001-05-10	20010025566	2003-09-29	100400028	KR	Power Semiconductor Device Having Chip-On-Chip Structure
FSCIZ200008003	2000-08-29	20000050549	2003-03-19	100377133	KR	Pwm Input Motor Driving Circuit
FSCIZ200007001	2000-11-07	20000065865	2002-06-18	10-0342591	KR	Semiconductor Device
FSCIZ200006001	2000-11-07	20000065854	2007-03-27	100699747	KR	Method For Fabricating Schottky Diode
FSCIZ200005006	2000-08-21	20000048319	2007-10-29	100771233	KR	High Power Semiconductor Package
FSCIZ200005005	2000-08-04	20000045270	2003-03-04	100374627	KR	High-Voltage Semiconductor Device Having High-Voltage Isolation Region
FSCIZ200004002	2000-08-12	20000046763	2003-03-04	100374628	KR	High Voltage Semiconductor Device Having High Voltage Isolation Region
FSCIZ200004001	2000-07-06	20000038632	2007-05-28	100722322	KR	Semiconductor Package
FSCIZ200002002	2000-06-13	20000032383	2003-01-29	100370231	KR	Power Module Package With Insulating Heat Sink
FSCIZ200002001	2000-02-18	20000007808	2002-02-08	10-0325669	KR	Semiconductor Package
FSCIZ200001004	2000-09-15	20000054147	2002-07-12	10-0345965	KR	Complex Dimming Circuit
FSCIZ199910002	2000-04-12	20000019241	2002-10-28	10-0360416	KR	Semiconductor Device For Electric Power With High Breakdown Voltage And Fabricating Method Thereof
FSCIZ199910001	1999-11-09	19990049413	2006-10-02	100630773	KR	Horizontal Double-Diffused Metal-Oxide-Semiconductor Transistor Having Low On-Resistance And Manufacturing Method Thereof
FSCIZ199908002	1999-10-06	19990043073	2002-07-04	100342590	KR	Pulsewidth Modulation Signal Generator And Switching Mode Power Supply Using Pulsewidth Modulation Signal Generator
FSCIZ199908001	1999-10-01	19990042217	2002-07-04	100342589	KR	Semiconductor Power Module And Method For Manufacturing The Same
FSCIZ199907002	1999-09-13	19990039065	2002-05-04	100335481	KR	Power Device Having Multi-Chip Package Structure
FSCIZ199906004	1999-10-29	19990047502	2001-11-02	100304719	KR	Power Semiconductor Device Having Trench-Typed Gate And Manufacturing Method Thereof

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FSCIZ199906003	1999-08-25	19990035420	2006-03-03	100555444	KR	Trench Gate-Type Power Semiconductor Device And Method Of Fabricating The Same
FSCIZ199904001	1999-04-10	19990012651	2003-04-08	100379057	KR	Burst Mode Switching Mode Power Supply
FSCIZ199810019	1999-08-24	19990035119	2006-07-20	100603421	KR	Smps Having Bust Mode By Using Error Amplifier
FSCIZ199810012	1999-05-17	19990017643	2006-05-03	100576103	KR	Leading Edge Blanking Circuit
FSCIZ199810003	1999-06-03	19990020513	2006-07-20	100603420	KR	A Switching Mode Power Supply
FSCIJ199707021	1998-04-02	19980011617	2005-04-07	100483579	KR	A Method Of Fabricating An Insulated Gate Bipolar Transistor Semiconductor Device Using Silicon Wafer Direct Bonding
FSCIB199901003	1999-03-29	19990010799	2001-10-29	100297705	KR	Power Semiconductor Having Low On-Resistance And High Threshold Voltage
FSCIB199901002	1999-03-26	19990010512	2001-12-12	100316723	KR	Power MOSFET Having Low On-Resistance And High Ruggedness
FSCIB199810016	1999-03-29	19990010793	2006-02-22	100554201	KR	Method For Manufacturing Cdmos
FSCIB199810014	1999-02-03	19990003513	2006-12-26	100660917	KR	Horizontal Typed Electric Power Device
FSCIB199809014	1999-06-14	19990022049	2002-04-24	100333973	KR	Power Factor Compensation Controller
FSCIB199809003	1998-12-17	19980055733	2000-09-23	10-0275758	KR	Horizontal Mos Gate Type Semiconductor Device And Method For Manufacturing The Same
FSCIB199808005	2000-01-17	20000002023	2002-08-16	10-0350648	KR	Mos Transistor And Method For Manufacturing The Same
FSCIB199804344	1998-08-27	19980034881	2000-12-15	100275756	KR	Insulated Gate Bipolar Transistor Having A Trench Gate Structure
FSCIB199804342	1998-10-27	19980045002	2001-05-24	10-0297704	KR	Semiconductor Element Having Overlapping Well Area
FSCIB199804295	1998-07-31	19980031161	2005-09-02	100492981	KR	Lateral Double-Diffusion Mos Transistor And Method For Producing Same
FSCIB199804291	1998-11-26	19980050940	2002-06-22	10-0343150	KR	Power Semiconductor Module Including Metal Terminal, Method For Manufacturing Metal Terminal Of Power Semiconductor Module, And Method For Manufacturing Power Semiconductor Module
FSCIB199804227	1998-05-16	19980017735	2000-08-01	100263031	KR	A Switch Mode Power Supply Having A Standby Mode
FSCIB199804072	1998-11-10	19980047940	2001-04-10	10-0293979	KR	Switching Mode Power Supply
FSCIB199710467	1998-02-06	19980003504	2005-09-26	100518506	KR	Trench Gate Power Mos Device And Fabricating Method Therefor
FSCIB199710441	1998-05-20	19980018200	2000-09-01	100263912	KR	Diode Of Semiconductor Device And Method For Fabricating The Same
FSCIB199710012	1998-02-24	19980005808	2001-05-24	100297703	KR	Power Semiconductor Device Using Sipos And Method For Fabricating The Same
FSCIB199709007	1998-02-03	19980002928	2001-06-13	100299912	KR	Method For Fabricating Insulating Gate Bipolar Transistor
FSCIB199704419	1997-11-13	19970059726	2005-04-21	100486353	KR	Power Supply Having Overvoltage Protection Function

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FSCIB199704321	1997-10-22	19970054194	2004-10-22	100455363	KR	Bipolar Transistor Of Insulation Gate Structure And Manufacturing Method Thereof
FSCIB199704311	1997-10-22	19970054216	2000-04-15	100251529	KR	Igbt And Manufacturing Method Thereof
FSCIB199704300	1997-12-31	19970082094	2000-07-01	100261035	KR	Switching Mode Power Supply
FSCIZ201003007	2010-03-18	20100024037	2012-01-06	101103774	KR	Nitride Based Semiconductor Device Employing Recessed Gate Edge Structure And Method For Fabricating The Same
FSCIZ200911004	2009-11-26	20090115074	2012-01-30	101108574	KR	Silicon Carbide Based Semiconductor Device And Method For Fabricating The Same
FSCIZ200505001KR1	2012-04-20	20120041612	2013-02-28	101237346	KR	High Voltage Integration Circuit With Freewheeing Diode Embedded In Transistor
FSC74911KR01	2012-11-07	20120125669	2017-08-10	10-1769131	KR	Bidirectional Interface Circuit And Battery Management System
FSCIZ200606006KR1	2013-05-27	20130059455	2014-02-25	101366588	KR	High Integrated Power Module Package
FSCIZ200612001KR1	2014-03-28	20140037250	2014-07-11	101418399	KR	Power Module With Stacked Flip-Chip And Method Of Fabricating The Same Power Module
FSC75248KR01	2014-09-04	20140117959	2015-09-23	101555301	KR	Semiconductor Package
FSCIZ200704002D01KR	2014-05-30	20140066462	2015-01-29	101486962	KR	Converter And The Driving Method Thereof
FSCIZ200709007KR1	2014-09-22	20140126060	2015-08-25	101547269	KR	Semiconductor Power Module Package With Simplified Structure And Method Of Fabricating The Same
FSC74988KR01	2015-06-24	20150089875	2016-06-01	101626534	KR	Semiconductor Package And A Method Of Manufacturing The Same
FSC74995KR01	2015-07-03	20150095362	2016-06-01	101626536	KR	Semiconductor Package And Method Of Manufacturing The Same
FSCIZ200709009KR1	2015-01-27	20150012853	2015-06-01	101524546	KR	Multi Chip Package
FSCIZ201111002	2012-05-04	20120047680			KR	Switch Controller, Switch Control Method, And Power Supply Device Comprising The Switch Controller
FSCIZ201111001	2012-05-02	20120046517			KR	Led Driver Ic, Driving Method Thereof, And Led Emitting Device Using The Led Driver Ic And The Driving Method
FSCIZ201109004	2012-02-17	20120016590			KR	Switch Controller, Switch Control Method, And Power Supply Device Comprising The Switch Controller
FSCIZ201108002KR	2011-11-23	20110123163			KR	Switch Controller, Switch Control Method, And Power Supply Device Comprising The Switch Controller
FSCIZ201107002KR	2011-11-23	20110123164			KR	Switch Control Method, Switch Controller, And Converter Comprising The Switch Controller
FSCIZ201002001KR1	2011-07-13	20110069595			KR	Switch Control Device, Power Supply Device Comprising The Same And Switch Control Method
FSCIZ201105006KR	2012-06-26	20120068700			KR	Power Semiconductor Device

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FSCIZ201105005KR	2011-08-17	20110081884			KR	Switch Control Circuit, Power Factor Corrector Comprising The Same, And Driving Method Of The Power Factor Corrector
FSCIZ201105004	2011-10-31	20110112448			KR	Voltage Controlled Delay Device, Digital Power Converter Using The Same, And Driving Method Thereof
FSCIZ201105002KR	2012-04-26	20120044068			KR	Dimming Angle Sensing Circuit And Driving Method Thereof
FSCIZ201105001	2012-04-17	20120039958			KR	Active Damper And Driving Method Thereof
FSCIZ201103010KR	2012-05-16	20120052180			KR	Input Current Regulator, Driving Method Thereof, And Disable Circuit Thereof
FSCIZ201103009	2011-08-01	20110076723			KR	Poly Silicon Resistor, Reference Voltage Circuit Comprising The Same, And Manufacturing Method Of Poly Silicon Resistor
FSCIZ201103008	2011-07-25	20110073746			KR	Error Voltage Generation Circuit, Switch Control Circuit Comprising The Same, And Power Factor Corrector Comprising The Switch Control Circuit
FSCIZ201103002	2011-12-23	20110141231			KR	Switch Circuit, Power Supply Device Comprising The Same, And Driving Method Of Power Supply Device
FSCIZ201101004KR	2011-04-01	20110030367			KR	Auto Restart Circuit, Switch Controlling Circuit, And Switch Controlling Method
FSCIZ201101003KR	2011-05-25	20110049796			KR	Semiconductor Device With Super Junction And Method Of Manufacturing The Same
FSCIZ201012004	2011-01-10	20110002377			KR	Light Emitting Diode Emitting Device
FSCIZ201010002KR	2010-10-18	20100101471			KR	Phase Shift Circuit And Dimming Circuit Including The Same
FSCIZ201009005	2011-01-05	20110001137			KR	Switch Control Circuit, Converter Using The Same, And Switch Controlling Method
FSCIZ201009004KR	2011-03-31	20110029765			KR	Apparatus And Method For Driving Light Emitting Diode
FSCIZ201009002KR	2011-02-07	20110010699			KR	Led Emitting Device And Driving Method Thereof
FSCIZ201008007	2011-01-10	20110002378			KR	Apparatus For Controlling Bleed Switch, Power Supply, And Method For Driving Power Supply
FSCIZ201008005KR	2011-01-26	20110007982			KR	Switch Control Circuit, Switch Controlling Method, And Power Supply Device Using The Switch Control Circuit
FSCIZ201008001KR	2010-11-23	20100117009			KR	Apparatus And Method For Driving Light Emitting Diode
FSCIZ201007008	2011-01-03	20110000258			KR	Switch Control Circuit, Converter Using The Same, And Switch Controlling Method
FSCIZ201007004KR	2011-02-07	20110010698			KR	Switch Controller And Converter Comprising The Same
FSCIZ201004004KR	2011-10-25	20110109511			KR	Switch Controller And Converter Comprising The Same

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FSCIZ201004001KR	2010-08-05	20100075543			KR	Led Emitting Device And Driving Method Thereof
FSCIZ201003001KR	2010-10-28	20100106272			KR	Led Emitting Device
FSCIZ200905001KR	2010-03-26	10-2010-0027403			KR	Switch Control Device, Multi-Channel Converter Comprising The Same, And Switch Controlling Method
FSCIZ200903002KR01	2010-02-17	10-2010-0014309			KR	Control Device, Led Emitting Light Device Comprising The Same, And Control Method
FSCIZ200801009	2008-07-07	20080065536			KR	Switch Control Device And Converter Comprising The Same
FSCIZ201112004KR	2012-05-25	10-2012-0056349			KR	Switch Control Device, Power Supply Device Comprising The Same, And Driving Method Of Power Supply Device
FSCIZ201112006KR	2012-05-08	20120048813			KR	Switch Control Circuit, Coupled Indector Boost Converter Comprising The Same, And Driving Method Of The Coupled Indector Boost Converter
FSCIZ201112001KR	2012-05-08	20120048814			KR	Controller, Controlling Method, And Digital Dc-Dc Converter Using The Controller And The Controlling Method
FSCIZ201112007KR	2012-05-08	20120048815			KR	Switch Controller, Power Supply Device Comprising The Same, And Driving Method Of The Power Supply Device
FSCIZ201112002KR	2012-05-07	20120048285			KR	Piezo Circuit, Piezo Driving Circuit For The Piezo Circuit, And Piezo Driving Method
FSCIZ201205001	2013-05-23	20130058582			KR	Active Bleeder, Active Bleeding Method, And Power Supply Device Where The Active Bleeder Is Applied
FSCIZ201205002KR0	2013-05-29	20130061247			KR	Power Supply Device
FSCIZ201205003	2013-05-23	20130058581			KR	Dimming Angle Sensing Circuit, Dimming Angle Sensing Method, And Power Supply Device Comprising The Dimming Angle Sensing Circuit
FSCIZ201205004	2013-05-23	20130058578			KR	Active Damping Circuit, Active Damping Method, Power Supply Device Comprising The Active Damping Circuit
FSCIZ201205005KR	2013-05-23	20130058580			KR	Short Sensing Circuit, Short Sensing Method And Power Supply Device Comprising The Short Sensing Circuit
FSC74650KR	2012-05-21	20120053779			KR	Semiconductor Package And Methods Of Fabricating The Same
FSCIZ201202002KR	2012-08-13	20120088636			KR	Piezo Driving Circuit And Driving Method Thereof
FSC74905KR01	2012-08-13	20120088640			KR	Piezo Driving Circuit, And Piezo Driving Method
FSC74914KR01	2012-12-20	20120149899			KR	Load/Charger Detection Circuit, Battery Management System Comprising The Same And Driving Method Thereof
FSC74867KR01	2013-01-15	20130004601			KR	Communication Device

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FSC74901KR01	2012-11-26	20120134811			KR	Undervoltage Lockout Circuit, Switch Control Circuit And Power Supply Device Comprising The Undervoltage Lockout Circuit
FSC74874KR01	2013-03-15	20130028202			KR	Switch Control Circuit, Switch Control Method, And Power Supply Device Using The Same
FSC74869KR01	2013-02-25	20130020100			KR	Voltage Measuring Apparatus And Battery Management System Comprising The Same
FSC74919KR01	2013-02-13	20130015505			KR	Gate Driving Circuit And Battery Management System Comprising The Same
FSC74870KR01	2013-02-25	20130020099			KR	Voltage Measuring Apparatus And Battery Management System Comprising The Same
FSCIZ201202001KR	2013-02-14	20130016060			KR	Clad-Substrate, And Module Package Comprising The Same Clad-Substrate
FSCIZ201202003KR	2013-01-21	20130006477			KR	Semiconductor Package
FSC74920KR01	2013-03-22	20130031119			KR	Switch Control Circuit, Power Supply Device Comprising The Same, And Driving Method Of The Power Supply Device
FSC74934KR01	2013-10-10	20130120824			KR	Switch Control Circuit And Power Supply Device Comprising The Same
FSC74947KR01	2013-09-24	20130113432			KR	Circuit And Method For Programming Voltage Level And Delay Time
FSC74868KR01	2013-02-13	20130015503			KR	Audio Jack Detector And Detecting Method
FSCIZ201108003KR1	2013-03-11	20130025815			KR	Led Emitting Device And The Driving Method Thereof
FSC74974KR01	2013-11-15	20130139392			KR	Battery Management System
FSC75027KR01	2014-06-09	20140069240			KR	Start-Up Circuit, Switch Control Circuit Comprising The Start-Up Circuit And Power Supply Device Comprising The Switch Control Circuit
FSC75063KR01	2013-10-22	20130126171			KR	Power Supply Apparatus And Driving Method Thereof
FSC75052KR01	2013-10-16	20130123572			KR	Converter And Driving Method Thereof
FSC75056KR01	2014-05-30	20140066239			KR	Cooling Device
FSC74924KR01	2013-07-08	20130079957			KR	Cable Compensation Circuit
FSC74910KR02	2013-07-08	20130079955			KR	Switch Control Device, Power Supply Device Comprising The Same, And Driving Method Of Power Supply Device
FSC75048KR01	2013-12-12	20130154981			KR	Sensing Resistor Short Determinator, Switch Control Circuit Comprising The Same, And Power Supply Comprising The Switch Control Circuit
FSC75049KR01	2013-09-24	20130113431			KR	Auxiliary Charging Circuit, Battery Apparatus Including The Same, And Driving Method Thereof

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FSC75047KR01	2013-10-21	20130125541			KR	Power Module Package
FSC75042KR01	2013-10-15	20130122942			KR	Power Module Package And Method For Manufacturing The Same
FSC74952KR01	2013-11-01	20130132380			KR	Cable Compensation Circuit And Power Supply Comprising The Same
FSC75095KR01	2013-12-02	20130148822			KR	Clamping Circuit, Power Supply Device Comprising The Same, And Driving Method Of Power Supply Device
FSC75229KR01	2013-12-23	20130161661			KR	Charging Apparatus And Operating Method Thereof
FSC75113KR02	2014-06-05	20140068600			KR	Active Damper And Power Supply Comprising The Same
FSC75157KR01	2014-09-05	20140119265			KR	Conduction Detecting Circuit, Rectifying Switch Controlling Circuit Comprising The Conduction Detecting Circuit, And Power Supply For The Rectifying Switch Controlling Circuit To Be Applied
FSC75156KR01	2014-09-05	20140119264			KR	Switch Control Circuit And Power Supply Comprising The Same
FSC75098KR01	2014-09-03	20140117091			KR	Wireless Power Transfer System
FSC75099KR01	2014-09-12	20140121346			KR	Wireless Power Transfer System And Driving Method Thereof
FSC75116KR01	2014-07-03	20140083322			KR	Primary Side Regulator
FSC75118KR01	2014-07-21	20140092152			KR	Mode Selection Circuit, Switch Control Circuit Comprising The Mode Selection Circuit And Multi Functions Pin
FSC75120KR01	2014-07-24	20140094251			KR	Charge Pump And Switch Control Circuit
FSC75174KR01	2014-09-05	20140119384			KR	Power Semiconductor Devices
FSC75164KR01	2015-01-12	20150004389			KR	Switch Control Circuit And Resonant Converter Comprising Thereof
FSC75165KR01	2015-01-15	20150007476			KR	Switch Control Circuit And Resonant Converter Comprising Thereof
FSC75167KR01	2015-01-12	20150004390			KR	Resonant Converter And Driving Method Thereof
FSC75244KR01	2015-06-02	20150078244			KR	Power Device And Method For Fabricating The Same
FSC75145KR01	2014-12-29	20140192631			KR	Switch Control Circuit And Power Supply Device Comprising The Same
FSC75146KR01	2014-12-29	20140192630			KR	Output Current Estimating Method And Power Supply Device Using The Same
FSC75053KR02	2014-11-18	20140160936			KR	Input Current Control Method, Switch Control Circuit, And Power Supply Comprising The Switch Control Circuit
FSCIZ201205002KR1	2014-11-20	20140162918			KR	Power Supply Device
FSC75184KR01	2014-12-29	20140192632			KR	Primary Side Regulation Power Supply Device
FSC75240KR01	2015-03-24	20150040753			KR	Power Supply Device Comprising The Same
FSC75241KR01	2015-04-02	20150047101			KR	Load Detecting Device
FSC75246KR01	2015-04-03	20150047750			KR	Load Detecting Method And Power Supply Device Where The Method Is Applied

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FSC75247KR01	2015-04-30	20150061742			KR	Car Charger
FSC75245KR01	2015-04-09	20150050485			KR	Pulse Generator And Driving Circuit Comprising The Same
FSC75274KR01	2015-06-22	20150088635			KR	BI-DIRCTION TRANSMITTER/RECEIVER Comprising Temperature Sensor AND DRIVING CIRCUIT COMPRISING THE SAME
FSC75326KR01	2015-11-04	20150154687			KR	Control System For Phase-Cut Dimming
FSC75327KR01	2015-10-30	20150152595			KR	Standby Current Supplier
FSC75301KR01	2015-12-10	20150175988			KR	Resonant Converter And Driving Method Thereof
FSC75301KR03	2015-12-09	20150175150			KR	Modulation Mode Control Circuit, Switch Control Circuit Comprising The Same, And Power Supply Device Comprising The Switch Control Circuit
FSC75187KR01	2014-10-06	20140134472			KR	Power Semiconductor Devices
FSC75301KR02	2015-12-10	20150175932			KR	Protection Mode Control Circuit, Switch Control Circuit Comprising The Same, And Power Supply Device Comprising The Switch Control Circuit
FSCIZ201112005KR1	2013-04-19	20130043817			KR	Power Device And Method For Fabricating The Same
FSCIZ200405006JP1	2008-05-23	2008135997	2011-06-01	4693868	JP	Power Factor Correction Circuit
FSCIZ199904001JP0	2000-04-07	2000106967	2002-10-07	3333170	JP	Bursting Mode Switching Mode Power Supply
FSCIB199901002JP0	2000-03-27	2000087378	2011-11-24	4819986	JP	Using The Semiconductor Baseplate Of The MOS Transistor And
FSCIZ199904001DE0	2000-04-05	10016859	2014-01-02	10016859	DE	With A Low-Energy-Burst Mode Of Operation Switching-Power Supply
FSCIZ201112005DE	2013-04-24	102013007215			DE	Power Device And Method For Production Thereof
FSC75062DE01	2014-06-24	102014009384			DE	Power Device And Method For The Production Of The Same
FSC75347DE01	2016-08-22	102016010186.5			DE	Super Junction Semiconductor Device And Method Of Manufacturing The Same
FSC75229EP01	2014-12-19	14199478			EP	Method And Apparatus For Charging A Battery
FSC75429CN01	2017-01-24	201720104035.9			CN	A Light Emitting Diode Lighting Circuit
FSC75458CN01	2017-01-19	201720060358.2			CN	Circuit Board
FSC75383CN	2017-06-02	201720637178.6			CN	Light Emitting Diode Control Circuit With Wide Range Input Voltage
FSC75490CN	2017-06-02	201710411095.X			CN	Converter And Regulator
FSC75491CN	2017-06-02	201710411178.9			CN	Gain Transition Controller To Smoothly Change From P Gain To I Gain At Startup
FSC75492CN	2017-06-02	201710411092.6			CN	Over Load Protection In PFC Converter
FSC75499CN	2017-06-02	201720637155.5			CN	Accurate Direct LED Driver To Regulate Whole LED Channel Current
FSC75503CN	2017-06-02	201720637136.2			CN	Multiple Linear Regulation With One Amplifier In DACD Application

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FSC75516CN	2017-07-07	201720817310.1			CN	Led Driver Circuit'
FSC75478CN	2017-07-12	201710563313.1			CN	Variable Switching Frequency Range To Improve Efficiency
FSC75506CN	2017-08-21	201710715976.0			CN	Hybrid Dimming
FSC75522CN	2017-09-30	201721276227.4			CN	Circuit For Controlling Power Converter
FSC75487CN	2017-08-18	201710709398.X			CN	Non Zero-Voltage Switching (Zvs) Detection In Resonant Converters
FSC75488CN	2017-08-18	201721042467.8			CN	Resonant Capacitor Stabilizer In Resonant Converters
FSC75497CN	2017-08-18	201721037508.4			CN	Short-Circuit Protection Using Pulse Width Modulation (Pwm) For Resonant Converters
FSC75498CN	2017-08-18	201710709422.X			CN	Burst Mode Control In Resonant Converters
FSCIZ201008004CN0	2012-01-10	201210008157	2016-09-28	ZL201210008157.X	CN	Comprises Upper Reset Circuit A Semiconductor Device
FSCIZ201007003CN01	2011-10-08	201110306667.0	2016-11-02	ZL201110306667.0	CN	Apparatus And Method For Discharging Capacitor Of Input Filter Of Power Supply, And Power Supply Including The Apparatus
FSCIZ201004003CN	2011-09-22	201110288613	2015-11-25	102437737	CN	Balance The Duty Ratio Of The Oscillator
FSCIZ201002001CN0	2011-06-21	201110169781.3	2016-12-14	ZL201110169781.3	CN	Switch Control Device Comprises A Power Supply Apparatus And Switch Control Method
FSCIZ201001003CN0	2011-02-25	201110047777	2016-12-14	ZL201110047777.X	CN	Interlock Circuit And Interlock System Including The Same
FSCIZ200911003CN0	2011-08-04	201110224976	2016-04-20	102377169	CN	Thermal Shutdown Unit, Switch Controller Including The Same, And Control Method Of Thermal Shutdown Protection Operation
FSCIZ200911001CN0	2011-09-05	201110264520	2016-01-20	102447413	CN	Inverter And Drive Method Thereof
FSCIZ200906002CN0	2011-04-22	201110103488	2016-06-08	102237856	CN	Pulse Width Wave Filter
FSCIZ200903002CN0	2011-02-16	201110039143	2014-09-24	102163913	CN	Control Device Comprises The Control Device Of Led Luminous Device And Control Method
FSCIZ200811001CN0	2010-06-12	201010203766	2014-03-12	101931334	CN	Frequency Modulation Controller, Switch Mode Power Supply, And Switching Operation Frequency Modulation Method
FSCIZ200809005CN0	2010-04-12	201010146451	2015-05-13	101873059	CN	Power Factor Correcting Circuit And Driving Method Thereof
FSCIZ200405006CN0	2005-09-21	200510119943	2010-04-21	1753290	CN	Power Factor Correcting Circuit
FSCIZ200405005CN0	2005-09-21	200510109733	2010-10-13	1753291	CN	Power Factor Correcting Circuit And The Output Voltage Control Method For
FSCIZ200305003CN0	2004-07-30	200410058840	2009-08-19	100530926	CN	A Converter And Control Method Thereof
FSCIZ200108001CN0	2004-07-08	200480019989	2011-06-22	101410973	CN	Wafer Level Chip Size Package And Its Manufacturing Method And Use Method
FSCIZ201012008CN0	2012-04-16	201210112936	2016-08-10	102738238	CN	Power Semiconductor Device And Manufacturing Method Thereof
FSCIZ201009002CN	2012-02-02	201210025778	2016-04-06	102630112	CN	Led Light Emitting Device And Driving Method Thereof

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FSCIZ201105004CN	2012-10-16	201210394103.1	2017-07-21	ZL201210394103.1	CN	Control Voltage Delay Device, Digital Power Converter Using The Same, And Driving Method Thereof
FSCIZ201109004CN0	2013-01-18	201310019668.6	2017-03-01	ZL201310019668.6	CN	Switch Controller, Switch Control Method, And Power Supply Device Comprising Switch Controller
FSCIZ201112006CN	2013-05-08	201310167148	2017-04-12	ZL201310167148	CN	Switch Control Circuit, Coupled Inductor Boost Converter And Driving Method Of The Coupled Inductor Boost Converter
FSC74905CN01	2013-08-05	201310337333.9	2017-07-25	ZL201310337333.9	CN	Piezoelectric Driving Circuit And Piezoelectric Driving Method
FSCIZ201202002CN	2013-08-07	201310342411	2017-06-23	ZL201310342411	CN	Piezoelectric Driving Circuit And Driving Method Thereof
FSC75454CN01	2017-01-06	201720012132.5	2017-09-15	ZL201720012132.5	CN	Planar Transformer With Multilayer Circuit Board
FSCIZ201112005CN	2013-04-24	201310146711.5			CN	Power Device And Fabricating Method Thereof
FSC74868CN01	2014-02-12	201410049185			CN	Jack Detector And Jack Detecting Method
FSCIZ201205005CN01	2013-06-19	201310243981			CN	Short Circuit Detecting Circuit And Method Thereof And Comprises The Short Circuit Detection Circuit Power Supply Equipment
FSCIZ201112002CN	2013-05-07	201310165119			CN	Piezoelectric Circuit, Piezoelectric Driving Circuit For The Piezoelectric Circuit, And Piezoelectric Driving Method
FSCIZ201205002CN0	2013-06-18	201310240525			CN	Power Supply Device
FSC74924CN01	2013-08-02	201310334966.4			CN	Cable Compensation Circuit
FSC75062CN01	2014-06-27	201410302836			CN	Power Device And Manufacturing Method Thereof
FSC75047CN01	2014-10-14	201410542300.2			CN	Power Supply Module Package Body
FSC75042CN01	2014-10-14	201410542443.3			CN	Power Module Packaging Element And Manufacturing Method Thereof
FSC75244CN01	2015-06-17	201510337512			CN	Power Device And Method Of Manufacturing The Same
FSC75248CN01	2015-05-11	201510236954			CN	Semiconductor Encapsulation Body
FSC75145CN01	2015-01-16	201510024168			CN	Switch Control Circuit And Power Supply Device Including Same
FSC75146CN01	2015-01-16	201510024351			CN	Output Current Estimating Method And Power Supply Device Using The Same
FSC75347CN01	2016-08-19	201610697546.6			CN	Superjunction Semiconductor Device And Method Of Manufacturing The Same
FSCIZ201008004CN1	2012-01-10	201610742000.8			CN	Semiconductor Device Including Power On Reset Circuit
FSC75466CN01	2017-03-10	20170139716.3			CN	Active Clamp Flyback

SCHEDULE A (Patent Applications)