

Noticias

El Ministerio de Industria, Energía y Turismo ha puesto en marcha el Programa de Incentivos al Vehículo Eficiente 2 (PIVE 2) con una dotación de 150 millones de euros. Los vehículos híbridos, híbridos enchufables, eléctricos de autonomía extendida (propulsados total o parcialmente mediante motores de combustión interna de gasolina o gasóleo y eléctricos) y los eléctricos puros podrán acogerse a la ayuda.

Por otro lado, la Comisión Europea ha anunciado un ambicioso paquete de medidas para garantizar la creación de estaciones de combustible alternativas en toda Europa con normas comunes de diseño y utilización. La mayoría de las iniciativas emprendidas hasta ahora se dirigían principalmente a los vehículos y los combustibles mismos, sin tener en cuenta la distribución de los últimos. El objetivo consiste en crear una masa crítica de puntos de recarga para que las empresas produzcan masivamente los coches a precios razonables.

Contar con un enchufe común para toda la UE es esencial para el despliegue de este combustible. Para acabar con la incertidumbre del mercado, la Comisión ha anunciado hoy que la norma común para toda Europa es el enchufe de tipo 2.

En España se propone pasar de los 1.356 puntos de recarga que existían en 2011 a 82.000 puntos de recarga en 2020 para abastecer los 2,5 millones de vehículos eléctricos que el PANER (Plan de Acción Nacional de Energías Renovables) estima que circularán en 2020.

Por último, en el pasado Salón de Ginebra, celebrado del 7 al 17 de marzo de 2013, se presentaron entre otros los modelos eléctricos Spark EV de Chevrolet, 500e de Fiat, e-Golf de Volkswagen, Zoe de Renault o la nueva versión del Leaf de Nissan.

Además de los lanzamientos producidos en el Salón de Ginebra, Mercedes anunció en el Salón del Automóvil del Nueva York el lanzamiento del Clase B Electric Drive, fruto de la colaboración entre Daimler y Tesla Motors.

CONTENIDO:

● TECNOLOGÍAS VEHICULARES

- [Baterías](#)
- [Supercondensadores](#)
- [Sistemas de recuperación de energía, p.ej. frenos regenerativos](#)
- [Máquinas eléctricas](#)
- [Convertidores, inversores](#)

● INFRAESTRUCTURAS DE CARGA

- [Recarga de baterías](#)
- [Cambio de baterías](#)

Solicitudes de Patente Publicadas

Los datos que aparecen en la tabla corresponden a una selección de las solicitudes de patentes publicadas durante el trimestre. Se puede acceder al documento completo haciendo doble clic sobre el mismo.

BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2013038517 A1	SUMITOMO METAL MINING CO [JP] et al.	MANGANESE IRON MAGNESIUM AMMONIUM PHOSPHATE, METHOD FOR PRODUCING SAME, POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERIES USING MANGANESE IRON MAGNESIUM AMMONIUM PHOSPHATE, METHOD FOR PRODUCING SAME, AND LITHIUM SECONDARY BATTERY USING SAID POSITIVE ELECTRODE ACTIVE MATERIAL
WO2013037469 A1	VALEO SYSTEMES THERMIQUES [FR] et al.	HEAT EXCHANGER AND METHOD FOR PRODUCING SUCH A HEAT EXCHANGER
WO2013036146 A1	AUCKLAND UNISERVICES LTD [NZ] et al.	MAGNETIC FIELD SHAPING FOR INDUCTIVE POWER TRANSFER
WO2013035853 A1	TECHNOVA INC [JP] et al.	NON-CONTACT POWER SUPPLY DEVICE FOR USE IN MOBILE BODY
WO2013035668 A1	SANYO ELECTRIC CO [JP] et al.	SQUARE-SHAPED SEALED SECONDARY BATTERY AND METHOD OF MANUFACTURING SAME
WO2013035633 A1	SHOEI CHEMICAL IND CO [JP] et al.	POSITIVE ELECTRODE MATERIAL FOR LITHIUM ION SECONDARY BATTERIES, POSITIVE ELECTRODE MEMBER FOR LITHIUM ION SECONDARY BATTERIES, AND LITHIUM ION SECONDARY BATTERY
WO2013035622 A1	MITSUBISHI PLASTICS INC [JP] et al.	SEPARATOR FOR BATTERIES, AND BATTERY
WO2013035572 A1	UNIV TOKYO [JP] et al.	METHOD FOR PRODUCING LITHIUM- OR SODIUM-CONTAINING OXOATE COMPOUND
WO2013035448 A1	MURATA MACHINERY LTD [JP], HAYASHI TAKAO [JP]	DELIVERY VEHICLE SYSTEM AND CHARGE METHOD FOR DELIVERY VEHICLE
WO2013035238 A1	TOYOTA JIDOSHOKKI KK [JP] et al.	VOLTAGE BALANCE CORRECTION CIRCUIT
WO2013035187 A1	TOYOTA MOTOR CO LTD [JP] et al.	LITHIUM SECONDARY BATTERY MANUFACTURING METHOD
WO2013034977 A1	SOLARIS HOLDINGS LTD [NA] et al.	METHOD OF INCREASING SECONDARY POWER SOURCE CAPACITY
WO2013034406 A1	SIEMENS AG [DE], ALBRECHT PETER [DE]	SYSTEM FOR RESERVING A CHARGING STATION
WO2013034226 A1	AUDI NSU AUTO UNION AG [DE] et al.	METHOD FOR MANUFACTURING A HIGH-VOLTAGE BATTERY AND BATTERY ARRANGEMENT
WO2013033834 A1	SOLACE POWER INC [CA] et al.	WIRELESS ELECTRIC FIELD POWER TRANSMISSION SYSTEM AND METHOD
WO2013032719 A2	BOSTON POWER INC [US], GERLOVIN MARK [US]	METHOD FOR BALANCING CELLS IN BATTERIES
WO2013032145 A2	SK INNOVATION CO LTD [KR], MIN JAE YUN [KR]	BATTERY
WO2013032082 A1	YULLIN TECHNOLOGY CO LTD [KR] et al.	LARGE CAPACITY SECONDARY BATTERY
WO2013032007 A1	NTT FACILITIES INC [JP] et al.	METHOD FOR PRODUCING NONAQUEOUS ELECTROLYTIC SOLUTION BATTERY

WO2013032005 A1	NTT FACILITIES INC [JP] et al.	NONAQUEOUS ELECTROLYTE SECONDARY CELL
WO2013032004 A1	NTT FACILITIES INC [JP] et al.	NONAQUEOUS ELECTROLYTIC SOLUTION BATTERY
WO2013031988 A1	FUJITSU LTD [JP] et al.	POWER RELAY
WO2013031981 A1	TOSHIBA KK [JP] et al.	NON-AQUEOUS ELECTROLYTE CELL AND CELL PACK
WO2013031761 A1	LITHIUM ENERGY JAPAN [JP] et al.	CONNECTION BODY, METHOD FOR MANUFACTURING CONNECTION BODY, POWER STORAGE ELEMENT AND METHOD FOR MANUFACTURING POWER STORAGE ELEMENT
WO2013031712 A1	SANYO ELECTRIC CO [JP] et al.	NON-AQUEOUS ELECTROLYTE SECONDARY CELL AND METHOD FOR MANUFACTURING SAME
WO2013031669 A1	SANYO ELECTRIC CO [JP] et al.	BATTERY AND MANUFACTURING METHOD THEREOF
WO2013031668 A1	SANYO ELECTRIC CO [JP] et al.	RECTANGULAR BATTERY
WO2013031614 A1	SANYO ELECTRIC CO [JP] et al.	POWER SUPPLY DEVICE, VEHICLE PROVIDED WITH SAME, AND POWER STORAGE DEVICE
WO2013031613 A1	SANYO ELECTRIC CO [JP] et al.	POWER SUPPLY DEVICE, VEHICLE PROVIDED WITH SAME, AND POWER STORAGE DEVICE
WO2013031612 A1	SANYO ELECTRIC CO [JP] et al.	POWER SUPPLY DEVICE, VEHICLE PROVIDED WITH SAME, AND POWER STORAGE DEVICE
WO2013031487 A1	SANYO CHEMICAL IND LTD [JP] et al.	ADDITIVE FOR NEGATIVE ELECTRODE, NEGATIVE ELECTRODE, METHOD FOR PRODUCING POLYMERIZED COATING FILM, LITHIUM SECONDARY BATTERY, AND LITHIUM ION CAPACITOR
WO2013031406 A1	NISSAN MOTOR [JP] et al.	MODULE FOR ADJUSTING BATTERY TEMPERATURE
WO2013031321 A1	TOYOTA JIDOSHOKKI KK [JP] et al.	TEMPERATURE CONTROL DEVICE AND TEMPERATURE CONTROL METHOD
WO2013031226 A1	PANASONIC CORP [JP] et al.	NONAQUEOUS ELECTROLYTE SECONDARY CELL
WO2013031213 A1	PANASONIC CORP [JP] et al.	ELECTRODE PLATE FOR NON-AQUEOUS SECONDARY BATTERY AND NON-AQUEOUS SECONDARY BATTERY USING SAME
WO2013031125 A1	ELECTRIC VEHICLE TECHNOLOGY DEV CO LTD [JP] et al.	ENERGY STORAGE SYSTEM
WO2013031036 A1	NEC CORP [JP] et al.	CHARGING CONTROL SYSTEM, CHARGING CONTROL METHOD, AND PROGRAM
WO2013031025 A1	FUJITSU LTD [JP] et al.	POWER RELAY
WO2013031012 A1	TOYOTA MOTOR CO LTD [JP] et al.	NONAQUEOUS-ELECTROLYTE SECONDARY BATTERY
WO2013030884 A1	TOYOTA MOTOR CO LTD [JP] et al.	VEHICLE
WO2013030883 A1	TOYOTA MOTOR CO LTD [JP] et al.	VEHICLE
WO2013030881 A1	TOYOTA MOTOR CO LTD [JP] et al.	VEHICLE
WO2013029749 A2	AUDI NSU AUTO UNION AG [DE] et al.	POWER DISTRIBUTOR FOR THE ELECTRIC WIRING OF BATTERY MODULES OF AN ELECTRIC VEHICLE
WO2013028046 A2	LG CHEMICAL LTD [KR] et al.	SEPARATOR HAVING A MICROCAPSULE AND ELECTROCHEMICAL DEVICE INCLUDING SAME
WO2013027974 A2	LG CHEMICAL LTD [KR] et al.	CABLE-TYPE SECONDARY BATTERY
WO2013026969 A1	VALEO SYS CONTROLE MOTEUR SAS [FR] et al.	POWER UNIT FOR AN ELECTRIC VEHICLE INVERTER, INVERTER AND ELECTRIC VEHICLE INCLUDING SAID UNIT
WO2013026669 A2	SIEMENS AG [DE], KOEPKEN HANS-GEORG [DE]	PROTECTION OF A THREE-PHASE MOTOR IN THE FIELD-WEAKENING RANGE

WO2013026386 A1	WESTERNHOUSE AUTOMATION CHANGZHOU CO LTD [CN], HUANG XIAOFENG [CN]	SELF-ADAPTIVE CONTROL METHOD FOR ELECTRIC AUTOMOBILE AIR-CONDITIONING SYSTEM
WO2013025078 A2	LG CHEMICAL LTD [KR] et al.	METHOD FOR MANUFACTURING A SECONDARY BATTERY
WO2013025076 A2	LG CHEMICAL LTD [KR] et al.	CABLE TYPE SECONDARY BATTERY
WO2013024963 A1	SK INNOVATION CO LTD [KR], LEE JAE MYOUNG [KR]	SECONDARY BATTERY
WO2013024739 A1	SANYO ELECTRIC CO [JP] et al.	ACTIVE MATERIAL FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY, NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY, AND MANUFACTURING METHOD FOR ACTIVE MATERIAL FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2013024724 A1	NAT INST OF ADVANCED IND SCIEN [JP] et al.	LITHIUM-ION-CONDUCTING MATERIAL, LITHIUM-ION-CONDUCTING SOLID ELECTROLYTE USING LITHIUM-ION-CONDUCTING MATERIAL, ELECTRODE PROTECTION LAYER FOR LITHIUM ION CELL, AND METHOD FOR MANUFACTURING LITHIUM-ION-CONDUCTING MATERIAL
WO2013024621 A1	NEC CORP [JP], NAKAMURA AKINOBU [JP]	LITHIUM-ION CELL
WO2013024537 A1	FUJITSU LTD [JP] et al.	LITHIUM ION ELECTROCONDUCTIVE BODY AND METHOD FOR MANUFACTURING SAME, ALL-SOLID-STATE LITHIUM SECONDARY CELL
WO2013024330 A1	TOYOTA MOTOR CO LTD [JP], MURATA KAZUYA [JP]	ELECTRICAL STORAGE DEVICE AND SPACER
WO2013024215 A1	RENAULT SA [FR] et al.	COOLING SYSTEM FOR AN ELECTRICALLY DRIVEN VEHICLE
WO2013023809 A1	BOSCH GMBH ROBERT [DE] et al.	ELECTRODE AND ENERGY STORE COMPRISING AN ELECTRODE
WO2013023807 A2	BOSCH GMBH ROBERT [DE] et al.	OPERATING STATE CIRCUIT FOR AN INVERTER AND METHOD FOR ADJUSTING OPERATING STATES OF AN INVERTER
WO2013023647 A2	HARTING ELECTRIC GMBH & CO KG [DE] et al.	ARRANGEMENT AND METHOD FOR CONTROLLING AN INDUCTIVE POWER SUPPLY DEVICE FOR ELECTRIC VEHICLES
WO2013023565 A1	DONGGUAN LONGXING AVIAT TECHNOLOGY CO LTD [CN], WU ZHEN [CN]	CONSTANT TEMPERATURE CONTROL BATTERY PACK
WO2013023524 A1	SHENZHEN BYD AUTO R & D COMPANY LTD [CN] et al.	BATTERY MODULE
WO2013023160 A2	JOHNSON CONTROLS TECH CO [US] et al.	BATTERY SYSTEM, HOUSING & VEHICLE INCLUDING BATTERY SYSTEM
WO2013022399 A1	AUTOLIV DEV [SE] et al.	BATTERY PACK FOR A VEHICLE
WO2013022207 A1	SAMSUNG ELECTRONICS CO LTD [KR] et al.	WIRELESS POWER TRANSMISSION SYSTEM, AND METHOD AND APPARATUS FOR ALLOCATING COMMUNICATION CHANNEL AND TRANSMITTING POWER IN WIRELESS POWER TRANSMISSION SYSTEM
WO2013022034 A1	TOYOTA MOTOR CO LTD [JP], KODAMA MASASHI [JP]	COMPOSITE POSITIVE ELECTRODE ACTIVE SUBSTANCE, ALL-SOLID-STATE CELL, AND METHOD FOR PRODUCING COMPOSITE POSITIVE ELECTRODE ACTIVE SUBSTANCE
WO2013021463 A1	TOYOTA MOTOR CO LTD [JP] et al.	BATTERY AND BATTERY MANUFACTURING METHOD
WO2013021446 A1	TOYOTA MOTOR CO LTD [JP], SATO KEITA [JP]	VEHICLE, VEHICLE CONTROL METHOD AND VEHICLE CONTROL DEVICE
WO2013021432 A1	TOYOTA MOTOR CO LTD [JP] et al.	SOLID-STATE BATTERY AND METHOD FOR PRODUCING SAME
WO2013021431 A1	TOYOTA MOTOR CO LTD [JP] et al.	SOLID-STATE BATTERY

WO2013020931 A1	BEHR GMBH & CO KG [DE] et al.	HEAT EXCHANGER FOR A VEHICLE, AND METHOD FOR PRODUCING A HEAT EXCHANGER FOR A VEHICLE
WO2013020707 A2	REHAU AG & CO [DE] et al.	BATTERY HOUSING PART FOR RECEIVING A TRACTION BATTERY OF AN ELECTRIC VEHICLE AND METHOD FOR PRODUCING THE BATTERY HOUSING PART
WO2013020700 A1	REHAU AG & CO [DE] et al.	BATTERY HOUSING PART FOR SHIELDING ELECTROMAGNETIC RADIATION FOR A BATTERY HOUSING OF A TRACTION BATTERY OF AN ELECTRIC VEHICLE AND METHOD FOR PRODUCING THE BATTERY HOUSING PART
WO2013020681 A1	REHAU AG & CO [DE], KRAWCZUK GRZEGORZ [DE]	CONNECTING APPARATUS FOR CONNECTING AT LEAST TWO BATTERY CELLS
WO2013020284 A1	ABB LV INSTALLATION MATERIALS CO LTD BEIJING [CN] et al.	A CHARGING POLE FOR EV AND A DETECTING METHOD THEREOF
WO2013019983 A1	PRIETO BATTERY INC [US] et al.	LITHIUM-ION BATTERY HAVING INTERPENETRATING ELECTRODES
WO2013019039 A2	LG CHEMICAL LTD [KR] et al.	ELECTRODE ASSEMBLY INCLUDING SEPARATION FILM FOR ENHANCING SAFETY, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
WO2013019008 A2	LG CHEMICAL LTD [KR] et al.	BATTERY MODULE HAVING IMPROVED STABILITY
WO2013018862 A1	ZEON CORP [JP] et al.	COMPOSITE PARTICLES FOR ELECTROCHEMICAL ELEMENT ELECTRODE, ELECTROCHEMICAL ELEMENT ELECTRODE MATERIAL, ELECTROCHEMICAL ELEMENT ELECTRODE, AND ELECTROCHEMICAL ELEMENT
WO2013018841 A1	NEOMAX MATERIALS CO LTD [JP] et al.	NEGATIVE-ELECTRODE TERMINAL FOR CELL
WO2013018840 A1	TOYOTA MOTOR CO LTD [JP], KODAMA MASASHI [JP]	SOLID SECONDARY BATTERY AND BATTERY SYSTEM
WO2013018692 A1	SANYO ELECTRIC CO [JP] et al.	POSITIVE ELECTRODE ACTIVE SUBSTANCE FOR NONAQUEOUS ELECTROLYTE SECONDARY CELL, METHOD FOR PRODUCING SAME, POSITIVE ELECTRODE FOR NONAQUEOUS ELECTROLYTE SECONDARY CELL USING POSITIVE ELECTRODE ACTIVE SUBSTANCE, AND NONAQUEOUS ELECTROLYTE SECONDARY CEL
WO2013018687 A1	FURUKAWA SKY ALUMINUM CORP [JP] et al.	COLLECTOR, ELECTRODE STRUCTURE, NONAQUEOUS ELECTROLYTE BATTERY, AND ELECTRICITY STORAGE COMPONENT
WO2013018641 A1	ALPS GREEN DEVICES CO LTD [JP], HEBIGUCHI HIROYUKI [JP]	BATTERY DEVICE TEMPERATURE MEASUREMENT METHOD
WO2013018607 A1	SANYO ELECTRIC CO [JP], YAMAMOTO SATOSHI [JP]	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2013018381 A1	SUMITOMO ELECTRIC INDUSTRIES [JP] et al.	CHOKO COIL
WO2013018331 A1	PANASONIC CORP [JP] et al.	BATTERY STORAGE BLOCK AND BATTERY MODULE
WO2013018320 A1	JFE STEEL CORP [JP] et al.	STAINLESS STEEL FOR FUEL CELL SEPARATOR
WO2013018286 A1	PANASONIC CORP [JP] et al.	BATTERY MODULE
WO2013018208 A1	TOYOTA MOTOR CO LTD [JP] et al.	HYBRID VEHICLE AND METHOD FOR CONTROLLING SAME
WO2013018196 A1	TOYOTA MOTOR CO LTD [JP], NAKAMURA SEIGO [JP]	LITHIUM ION SECONDARY CELL

WO2013018182 A1	TOYOTA MOTOR CO LTD [JP], TAKAHATA KOJI [JP]	LITHIUM ION SECONDARY BATTERY
WO2013018181 A1	TOYOTA MOTOR CO LTD [JP] et al.	LITHIUM ION SECONDARY BATTERY
WO2013018180 A1	TOYOTA MOTOR CO LTD [JP] et al.	LITHIUM ION SECONDARY BATTERY
WO2013018179 A1	TOYOTA MOTOR CO LTD [JP], TAKAHATA KOJI [JP]	LITHIUM ION SECONDARY BATTERY AND PRODUCTION METHOD THEREFOR
WO2013018143 A1	TOYOTA MOTOR CO LTD [JP] et al.	DEVICE FOR ESTIMATING STATE OF DETERIORATION OF SECONDARY BATTERY AND METHOD FOR ESTIMATING STATE OF DETERIORATION
WO2013017207 A1	DAIMLER AG [DE] et al.	SINGLE CELL AND BATTERY MADE OF A PLURALITY OF SINGLE CELLS
WO2013017052 A1	SHENZHEN BYD AUTO R & D COMPANY LTD [CN] et al.	MOUNTING STRUCTURE FOR IN-VEHICLE POWER BATTERY AND VEHICLE COMPRISING THE SAME
WO2013017051 A1	SHENZHEN BYD AUTO R & D COMPANY LTD [CN] et al.	MOUNTING STRUCTURE FOR IN-VEHICLE POWER BATTERY AND VEHICLE COMPRISING THE SAME
WO2013015927 A1	LIGHTENING ENERGY [US] et al.	RAPID CHARGING ELECTRIC VEHICLE AND METHOD AND APPARATUS FOR RAPID CHARGING
WO2013015539 A1	LG CHEMICAL LTD [KR] et al.	BATTERY MODULE HAVING IMPROVED RELIABILITY AND MID-TO-LARGE BATTERY PACK COMPRISING SAME
WO2013015446 A1	YAZAKI CORP [JP] et al.	BATTERY PACK
WO2013015416 A1	HONDA MOTOR CO LTD [JP] et al.	WIRELESS POWER TRANSMISSION METHOD
WO2013015380 A1	NIFCO INC [JP] et al.	ELECTRODE CONSTITUENT FOR BATTERY MODULE
WO2013015321 A1	UNIV OSAKA PREFECT PUBLIC CORP [JP] et al.	ALL-SOLID-STATE SECONDARY CELL
WO2013015181 A1	YANMAR CO LTD [JP], NAKAGAKI MITSUHIRO [JP]	ELECTRIC PASSENGER DEVICE
WO2013015171 A1	YANMAR CO LTD [JP], NAKAGAKI MITSUHIRO [JP]	ELECTRIC WORK MACHINE
WO2013015159 A1	NISSAN MOTOR [JP], TANAKA YASUYUKI	COLLECTOR FOR BIPOLAR LITHIUM ION SECONDARY BATTERIES
WO2013014833 A1	PANASONIC CORP [JP] et al.	LITHIUM ION SECONDARY BATTERY
WO2013014827 A1	PANASONIC CORP [JP] et al.	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2013014759 A1	TOYOTA MOTOR CO LTD [JP] et al.	METHOD FOR PRODUCING SOLID FUEL CELL
WO2013014753 A1	TOYOTA MOTOR CO LTD [JP] et al.	LITHIUM SOLID-STATE SECONDARY BATTERY SYSTEM
WO2013014742 A1	TOYOTA MOTOR CO LTD [JP] et al.	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2013014529 A1	TOYOTA MOTOR CO LTD [JP] et al.	BATTERY PACK
WO2013014528 A1	TOYOTA MOTOR CO LTD [JP] et al.	BATTERY PACK
WO2013014242 A1	CONTINENTAL TEVES AG & CO OHG [DE] et al.	CIRCUIT FOR CONDUCTING AN ELECTRICAL CURRENT
WO2013014240 A1	CONTINENTAL TEVES AG & CO OHG [DE] et al.	CIRCUIT FOR CONDUCTING AN ELECTRIC CURRENT

WO2013013867 A1	BOSCH GMBH ROBERT [DE] et al.	SEPARATOR FOR AN ENERGY ACCUMULATOR AND ENERGY ACCUMULATOR
WO2013013781 A1	THYSSENKRUPP SYSTEM ENGINEERING GMBH [DE] et al.	INDIVIDUAL CELL, IN PARTICULAR FOR A RECHARGEABLE BATTERY, RECHARGEABLE BATTERY AND METHOD FOR HEATING AN INDIVIDUAL CELL, AS REQUIRED
WO2013012560 A2	DIAZ KEVIN MARK [US]	GREEN ENERGY MINE DEFEAT SYSTEM
WO2013011936 A1	ZEON CORP [JP] et al.	ELECTROCHEMICAL ELEMENT ELECTRODE COMPOSITE PARTICLE, ELECTROCHEMICAL ELEMENT ELECTRODE MATERIAL, AND ELECTROCHEMICAL ELEMENT ELECTRODE
WO2013011905 A1	SANYO ELECTRIC CO [JP] et al.	CHARGING STAND, BATTERY PACK AND CHARGING STAND, AND BATTERY PACK
WO2013011871 A1	TOYOTA MOTOR CO LTD [JP] et al.	ALL SOLID-STATE BATTERY AND MANUFACTURING METHOD THEREFOR
WO2013011756 A1	AUTONETWORKS TECHNOLOGIES LTD [JP] et al.	BATTERY WIRING MODULE
WO2013011739 A1	SONY CORP [JP] et al.	INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, PROGRAM, RECORDING MEDIUM, AND INFORMATION PROCESSING SYSTEM
WO2013010834 A1	SB LIMOTIVE GERMANY GMBH [DE] et al.	DEVICE AND METHOD FOR MEASURING A MAXIMUM CELL VOLTAGE
WO2013010832 A2	SB LIMOTIVE GERMANY GMBH [DE] et al.	BATTERY MANAGEMENT SYSTEM AND ASSOCIATED METHOD FOR DETERMINING A CHARGE STATE OF A BATTERY, BATTERY COMPRISING A BATTERY MANAGEMENT SYSTEM AND MOTOR VEHICLE COMPRISING A BATTERY MANAGEMENT SYSTEM
WO2013010831 A1	SB LIMOTIVE GERMANY GMBH [DE] et al.	BATTERY MANAGEMENT SYSTEM AND METHOD FOR DETERMINING THE CHARGE STATE BATTERY CELLS, BATTERY AND MOTOR VEHICLE COMPRISING A BATTERY MANAGEMENT SYSTEM
WO2013010805 A2	SIEMENS AG [DE] et al.	DC CHARGING STATION FOR CHARGING A PLURALITY OF ENERGY STORAGE DEVICES
WO2013010624 A1	AUTOLIV DEV [SE], STURK DAVID [SE]	HEAT EXCHANGING UNIT
WO2013010442 A1	SHENZHEN BYD AUTO R & D COMPANY LTD [CN] et al.	POWER SUPPLY UNIT FOR ELECTRIC VEHICLE
WO2013010346 A1	GUANGZHOU INST ENERGY CONV CAS [CN] et al.	LITHIUM-ION BATTERY NEGATIVE ELECTRODE-USE SILICON-CARBON COMPOSITE MATERIAL AND PREPARATION METHOD THEREFOR
WO2013009829 A2	CONTROL MODULE INC [US], BIANCO JAMES S [US]	SYSTEM FOR IDENTIFYING AN ELECTRIC VEHICLE CONNECTED TO ELECTRIC VEHICLE SERVICE EQUIPMENT
WO2013009822 A1	CONTROL MODULE INC [US], BIANCO JAMES S [US]	VALET EVSE SYSTEM
WO2013009772 A1	QUANTUMSCAPE CORP [US] et al.	SOLID STATE ENERGY STORAGE DEVICES
WO2013009148 A2	LG CHEMICAL LTD [KR] et al.	CYLINDRICAL RECHARGEABLE BATTERY
WO2013009144 A2	LG CHEMICAL LTD [KR] et al.	BATTERY TEMPERATURE CONTROL SYSTEM AND METHOD FOR DRIVING SAME
WO2013009078 A2	LG CHEMICAL LTD [KR] et al.	HIGH-ENERGY LITHIUM SECONDARY BATTERY HAVING IMPROVED ENERGY DENSITY CHARACTERISTICS
WO2013008816 A1	TOYOTA MOTOR CO LTD [JP] et al.	BATTERY
WO2013008588 A1	SHARP KK [JP], ARIMA SATOSHI	CELL HOLDER
WO2013008559 A1	AUTONETWORKS TECHNOLOGIES LTD [JP] et al.	COVER OF BATTERY WIRING MODULE, BATTERY WIRING MODULE, AND BATTERY MODULE

WO2013008558 A1	AUTONETWORKS TECHNOLOGIES LTD [JP] et al.	BATTERY WIRING MODULE
WO2013008525 A1	NEC ENERGY DEVICES LTD [JP], AZAMI TAKESHI [JP]	LITHIUM-ION BATTERY
WO2013008524 A1	NEC ENERGY DEVICES LTD [JP], AZAMI TAKESHI [JP]	LITHIUM-ION-BATTERY NEGATIVE ELECTRODE AND LITHIUM-ION BATTERY
WO2013008439 A1	PANASONIC CORP [JP], DEGUCHI MASAKI	NON-AQUEOUS ELECTROLYTE AND NON-AQUEOUS ELECTROLYTE SECONDARY CELL EMPLOYING SAME
WO2013008383 A1	PANASONIC CORP [JP] et al.	LEAD STORAGE CELL
WO2013007617 A2	SB LIMOTIVE GERMANY GMBH [DE] et al.	BATTERY MANAGEMENT SYSTEM, BATTERY, MOTOR VEHICLE HAVING A BATTERY MANAGEMENT SYSTEM, AND METHOD FOR MONITORING A BATTERY
WO2013007333 A1	BAYERISCHE MOTOREN WERKE AG [DE], GOESMANN HUBERTUS [DE]	ENERGY STORAGE MODULE AND FIXING ASSEMBLY FOR THE ENERGY STORAGE MODULE
WO2013006229 A1	HONDA MOTOR CO LTD [JP], UYEKI ROBERT [US]	ELECTRIC VEHICLE CHARGING STRATEGY
WO2013006121 A1	AUTOLIV DEV [SE], STURK DAVID [SE]	A BATTERY SAFETY ARRANGEMENT FOR A MOTOR VEHICLE
WO2013005987 A2	LG CHEMICAL LTD [KR] et al.	COMPOSITION FOR PRODUCING A SEPARATOR FOR AN ELECTROCHEMICAL DEVICE, METHOD FOR PRODUCING A SEPARATOR FOR AN ELECTROCHEMICAL DEVICE, AND ELECTROCHEMICAL DEVICE USING SAME
WO2013005705 A1	SHOEI CHEMICAL IND CO [JP] et al.	POSITIVE ELECTRODE MATERIAL FOR LITHIUM ION SECONDARY BATTERY, POSITIVE ELECTRODE MEMBER, LITHIUM ION SECONDARY BATTERY, AND PRODUCTION METHOD FOR SAID POSITIVE ELECTRODE MATERIAL
WO2013005704 A1	SHOEI CHEMICAL IND CO [JP] et al.	POSITIVE ELECTRODE MATERIAL FOR LITHIUM ION SECONDARY BATTERY, POSITIVE ELECTRODE FOR LITHIUM ION SECONDARY BATTERY, AND LITHIUM ION SECONDARY BATTERY
WO2013005558 A1	AUTONETWORKS TECHNOLOGIES LTD [JP] et al.	CELL WIRING MODULE
WO2013005516 A1	AUTONETWORKS TECHNOLOGIES LTD [JP] et al.	CELL WIRING MODULE
WO2013005515 A1	AUTONETWORKS TECHNOLOGIES LTD [JP] et al.	CELL WIRING MODULE
WO2013005329 A1	TOYOTA MOTOR CO LTD [JP] et al.	SECONDARY BATTERY
WO2013005302 A1	TOYOTA MOTOR CO LTD [JP] et al.	LITHIUM ION RECHARGEABLE BATTERY AND METHOD OF MANUFACTURING LITHIUM ION RECHARGEABLE BATTERY
WO2013005085 A1	TOYOTA MOTOR CO LTD [JP] et al.	SULFIDE SOLID ELECTROLYTE MATERIAL, LITHIUM SOLID-STATE BATTERY, AND METHOD FOR PRODUCING SULFIDE SOLID ELECTROLYTE MATERIAL
WO2013004937 A1	PEUGEOT CITROEN AUTOMOBILES SA [FR] et al.	HYBRID VEHICLE DRIVE TRAIN
WO2013003989 A1	CHINA ELECTRIC POWER RES INST [CN] et al.	TEMPERATURE CONTROL SYSTEM WITH THERMAL TUBES FOR VEHICLE POWER BATTERY BOX
WO2013003843 A2	PARKER HANNIFIN CORP [US], TRUMBOWER MICHAEL W [US]	MULTIPLE CIRCUIT COOLING SYSTEM

WO2013003527 A1	WIRELESS EV CHARGE LLC [US] et al.	ALIGNMENT, VERIFICATION, AND OPTIMIZATION OF HIGH POWER WIRELESS CHARGING SYSTEMS
WO2012177928 A1	JOHNSON CONTROLS TECHNOLOGY LLC [US] et al.	ELECTROCHEMICAL CELL HAVING INTERRUPTED ELECTRODES
WO2012177768 A2	EXIDE TECHNOLOGIES [US] et al.	WINDING ASSEMBLY FOR ELECTROCHEMICAL CELLS, METHODS OF MAKING THE WINDING ASSEMBLY, AND THE ELECTROCHEMICAL CELL
WO2013002728 A1	UNIV SINGAPORE [SG] et al.	SYNTHESIS OF MESOPOROUS TRANSITION METAL OXIDES AS ANODE MATERIALS
WO2013002659 A1	IMPACT CLEAN POWER TECHNOLOGY S A [PL] et al.	THERMALLY STABILIZED MODULE OF ELECTRIC CELLS
WO2013002651 A1	AUCKLAND UNISERVICES LTD [NZ] et al.	LOAD CONTROL FOR BI-DIRECTIONAL INDUCTIVE POWER TRANSFER SYSTEMS
WO2013002621 A2	LG CHEMICAL LTD [KR] et al.	SECONDARY BATTERY HAVING IMPROVED CONTACT RESISTANCE
WO2013002608 A2	LG CHEMICAL LTD [KR] et al.	ELECTRODE ASSEMBLY FOR SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING SAME
WO2013002559 A2	ECOPRO CO LTD [KR] et al.	CATHODE ACTIVE MATERIAL, LITHIUM SECONDARY BATTERY INCLUDING CATHODE ACTIVE MATERIAL, AND METHOD FOR ELECTROCHEMICALLY ACTIVATING LITHIUM SECONDARY BATTERY
WO2012177104 A2	IUCF HYU [KR] et al.	LITHIUM-AIR BATTERY
WO2013002513 A2	LG CHEMICAL LTD [KR] et al.	POSITIVE ELECTRODE ACTIVE MATERIAL FOR A SECONDARY BATTERY HAVING IMPROVED RATE CHARACTERISTICS
WO2013002507 A2	LG CHEMICAL LTD [KR] et al.	BATTERY MODULE AND BATTERY ASSEMBLY INCLUDING SAME
WO2013002504 A2	LG CHEMICAL LTD [KR] et al.	NOVEL POLYMER ELECTROLYTE AND LITHIUM SECONDARY BATTERY INCLUDING SAME
WO2013002497 A2	LG CHEMICAL LTD [KR] et al.	SECONDARY BATTERY HAVING SUPERIOR PRODUCTIVITY AND SAFETY
WO2012177000 A2	LG CHEMICAL LTD [KR] et al.	BATTERY PACK OF NOVEL AIR COOLING STRUCTURE
WO2013002496 A2	LG CHEMICAL LTD [KR] et al.	SECONDARY BATTERY PROVIDED WITH INSULATOR
WO2012176975 A2	SAMSUNG FINE CHEMICALS CO LTD [KR] et al.	METHOD FOR PREPARING AN ELECTRODE ACTIVE MATERIAL FOR IMPROVING THE PROPERTIES OF A BATTERY, AND LITHIUM SECONDARY BATTERY INCLUDING THE ELECTRODE ACTIVE MATERIAL PREPARED THEREBY
WO2013002457 A1	ECOPRO CO LTD [KR] et al.	POSITIVE ELECTRODE ACTIVE MATERIAL, ELECTRODE INCLUDING THE POSITIVE ELECTRODE ACTIVE MATERIAL, AND LITHIUM ELECTROCHEMICAL BATTERY
WO2013002438 A1	KOREA ELECTRIC POWER CORP [KR] et al.	SWITCHGEAR AND POWER HANDLING METHOD USING SAME
WO2013002369 A1	SANYO ELECTRIC CO [JP] et al.	NON-AQUEOUS ELECTROLYTE SECONDARY CELL, AND METHOD FOR PRODUCING SAME
WO2013002186 A1	SANYO CHEMICAL IND LTD [JP] et al.	AGENT FOR FORMING ELECTRODE PROTECTION FILM, ELECTRODE, ELECTROLYTE SOLUTION, LITHIUM SECONDARY CELL, LITHIUM ION CAPACITOR, AND METHOD FOR FORMING ELECTRODE PROTECTION FILM
WO2013002167 A1	AUTONETWORKS TECHNOLOGIES LTD [JP] et al.	VEHICLE POWER SOURCE DEVICE
WO2013002162 A1	SANYO ELECTRIC CO [JP] et al.	NONAQUEOUS ELECTROLYTE SECONDARY CELL AND METHOD FOR MANUFACTURING SAME
WO2013002157 A1	DOW CORNING TORAY CO LTD [JP] et al.	SILICON-CONTAINING CARBON-BASED COMPOSITE MATERIAL IN WHICH FINE LITHIUM-COATED SILICON METAL OR SILICON ALLOY PARTICLES ARE DISPERSED
WO2012176907 A1	UNIV KYUSHU NAT UNIV CORP [JP] et al.	METHOD FOR PRODUCING IRON OXYFLUORIDE POSITIVE ELECTRODE ACTIVE SUBSTANCE AND IRON OXYFLUORIDE POSITIVE ELECTRODE ACTIVE SUBSTANCE

WO2012176903 A1	ASAHI GLASS CO LTD [JP] et al.	METHOD FOR PRODUCING POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM ION SECONDARY BATTERIES
WO2012176895 A1	MITSUBISHI RAYON CO [JP] et al.	BINDER FOR ELECTRODE OF ELECTROCHEMICAL ELEMENT, COMPOSITION FOR ELECTRODE OF ELECTROCHEMICAL ELEMENT, ELECTRODE OF ELECTROCHEMICAL ELEMENT, AND ELECTROCHEMICAL ELEMENT
WO2012176873 A1	NEC CORP [JP] et al.	LITHIUM SECONDARY CELL
WO2013002116 A1	NISSAN MOTOR [JP] et al.	SEPARATOR HAVING HEAT-RESISTANT INSULATING LAYER
WO2013002090 A1	SANYO ELECTRIC CO [JP] et al.	POWER SUPPLY DEVICE, VEHICLE INCLUDING SAME, AND METHOD FOR MANUFACTURING POWER SUPPLY DEVICE
WO2012176711 A1	MURATA MANUFACTURING CO [JP], OTSUKA DAISUKE [JP]	BATTERY
WO2012176704 A1	HITACHI VEHICLE ENERGY LTD [JP], KAJIWARA KOUICHI [JP]	SECONDARY BATTERY
WO2012176669 A1	NISSAN MOTOR [JP] et al.	SEPARATOR HAVING HEAT RESISTANT INSULATION LAYERS
WO2013001821 A1	NIPPON CHEMICON [JP] et al.	ELECTRICITY STORAGE DEVICE AND METHOD FOR MANUFACTURING ELECTRICITY STORAGE DEVICE
WO2012176471 A1	TOYOTA JIDOSHOKKI KK [JP] et al.	LITHIUM-CONTAINING COMPLEX OXIDE POWDER AND METHOD FOR PRODUCING SAME
WO2013001684 A1	PANASONIC CORP [JP], SHIMOMURA KAZUHIRO	VOLTAGE METER
WO2013001644 A1	HITACHI VEHICLE ENERGY LTD [JP] et al.	ASSEMBLED BATTERY
WO2013001623 A1	TOYOTA MOTOR CO LTD [JP] et al.	SOLID ELECTROLYTE LAYER, ELECTRODE LAYER FOR SECONDARY CELL, AND ALL-SOLID-STATE SECONDARY CELL
WO2012176284 A1	TOYOTA MOTOR CO LTD [JP], KAMATANI HIDEKI [JP]	VEHICLE CONTROL APPARATUS
WO2012176272 A1	TOYOTA MOTOR CO LTD [JP] et al.	PRODUCTION METHOD FOR SECONDARY BATTERY
WO2012176267 A1	TOYOTA MOTOR CO LTD [JP] et al.	ELECTRODE LAYER FOR SECONDARY CELL, SOLID ELECTROLYTE LAYER, AND ALL-SOLID STATE SECONDARY CELL
WO2012176266 A1	TOYOTA MOTOR CO LTD [JP], INOUE YUKIHIRO [JP]	SOLID ELECTROLYTE MICROPARTICLE PRODUCTION METHOD
WO2013001501 A1	EANDIS [BE], VANDEWINCKEL ERIC [BE]	NET CONNECTION FOR CHARGING RECHARGEABLE POWER UNITS IN GROUP
WO2012176039 A1	TOYOTA MOTOR CO LTD [JP], YAMAMURA HIDEYUKI [JP]	NEGATIVE-ELECTRODE ACTIVE MATERIAL, AND METHOD FOR PRODUCTION OF NEGATIVE-ELECTRODE ACTIVE MATERIAL
WO2013001252 A1	IER SYSTEMS [FR] et al.	METHOD AND SYSTEM FOR CONNECTING/DISCONNECTING AN ELECTRIC VEHICLE TO/FROM A CHARGING TERMINAL
WO2012175858 A2	RENAULT SA [FR] et al.	SYSTEM AND METHOD FOR COMPENSATING A BATTERY CHARGER INSTALLED IN A VEHICLE
WO2013001175 A1	LEGRAND FRANCE [FR] et al.	ELECTRICAL PLUG AND ASSOCIATED ELECTRICAL ASSEMBLY
WO2013001174 A1	LEGRAND FRANCE [FR] et al.	ELECTRICAL OUTLET PROVIDED WITH IDENTIFICATION MEANS, AND ASSOCIATED ELECTRICAL PLUG AND ELECTRICAL ASSEMBLY
WO2013000908 A1	AVL LIST GMBH [AT] et al.	RECHARGEABLE ELECTRIC BATTERY

WO2013000900 A1	AVL LIST GMBH [AT], MICHELITSCH MARTIN [AT]	RECHARGEABLE ELECTRIC BATTERY
WO2013000882 A1	AVL LIST GMBH [AT], MICHELITSCH MARTIN [AT]	ELECTRIC BATTERY
WO2013000828 A1	AVL LIST GMBH [AT], MICHELITSCH MARTIN [AT]	RECHARGEABLE ELECTRIC BATTERY
WO2012175524 A2	HAUNOLD HEINRICH [AT]	DEVICE FOR THE STORAGE AND CONVERSION OF ENERGY
WO2013000754 A2	BAYERISCHE MOTOREN WERKE AG [DE] et al.	COOLING OF ELECTRIC STORAGE UNITS IN A VEHICLE
WO2012175339 A2	SIEMENS AG [DE] et al.	DECENTRALISED ENERGY NETWORK AND METHOD FOR DISTRIBUTING ENERGY IN A DECENTRALISED ENERGY NETWORK
WO2013000617 A1	BOSCH GMBH ROBERT [DE] et al.	CONTACT ELEMENT FOR MECHANICALLY, THERMALLY AND ELECTRICALLY CONTACTING AN ENERGY STORE
WO2013000548 A1	AUDI NSU AUTO UNION AG [DE] et al.	ARRANGEMENT OF BATTERY MODULES IN A VEHICLE AND VEHICLE
WO2012175169 A2	LI TEC BATTERY GMBH [DE], SCHAEFER TIM [DE]	METHOD FOR TREATING AND/OR REPAIRING AN ELECTROCHEMICAL CELL, AND BATTERY HAVING A PLURALITY OF SUCH ELECTROCHEMICAL CELLS
WO2012174704 A1	DOW GLOBAL TECHNOLOGIES LLC [US] et al.	BATTERY ELECTROLYTE SOLUTIONS CONTAINING AROMATIC PHOSPHITE COMPOUNDS
WO2012174323 A2	CODA AUTOMOTIVE INC [US] et al.	MECHANISM TO REDUCE THERMAL GRADIENTS IN BATTERY SYSTEMS
WO2012173937 A2	SENDYNE CORP [US], TSIVIDIS YANNIS [US]	CELL MODELING
WO2012173630 A1	INT TRUCK INTELLECTUAL PROP CO [US], BISSONTZ JAY E [US]	SUPERVISORY CONTROL SYSTEM FOR HYBRID-ELECTRIC POWERTRAINS
WO2012173588 A1	JOHNSON CONTROLS SAFT ADVANCED [US] et al.	DEVICE FOR AIDING IN THE FRACTURE OF A VENT OF AN ELECTROCHEMICAL CELL
WO2012173351 A2	LG CHEMICAL LTD [KR] et al.	BATTERY PACK HAVING IMPROVED UNIFORMITY IN DISTRIBUTION OF REFRIGERANT
WO2012173194 A1	NEC CORP [JP], NYU TAKAYUKI [JP]	CHARGING SYSTEM, POWER MANAGEMENT SERVER, VEHICLE MANAGEMENT SERVER, AND POWER MANAGEMENT PROGRAM
WO2012173128 A1	SANYO ELECTRIC CO [JP] et al.	CHARGING STATION
WO2012173089 A1	ZEON CORP [JP] et al.	ALL-SOLID-STATE SECONDARY BATTERY
WO2012172980 A1	PRIMEARTH EV ENERGY CO LTD [JP] et al.	SEALED BATTERY AND SAFETY VALVE
WO2012172831 A1	TOSHIBA KK [JP] et al.	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2012172829 A1	NISSAN MOTOR [JP], SORA YOSUKE	ASSEMBLED CELL
WO2012172751 A1	DENSO CORP [JP] et al.	TEMPERATURE ADJUSTMENT APPARATUS FOR VEHICLE
WO2012172686 A1	TOYOTA MOTOR CO LTD [JP], KATANODA TOMOYA [JP]	ELECTRIC VEHICLE AND ELECTRIC VEHICLE CONTROL METHOD
WO2012172633 A1	TOYOTA MOTOR CO LTD [JP] et al.	LITHIUM ION SECONDARY BATTERY

WO2012172623 A1	HITACHI LTD [JP], KONO KAZUSHIGE [JP]	NEGATIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM ION SECONDARY BATTERIES, METHOD FOR PRODUCING SAME, AND LITHIUM ION SECONDARY BATTERY
WO2012172616 A1	HITACHI LTD [JP] et al.	MICROGRID CONTROL SYSTEM
WO2012172587 A1	HITACHI LTD [JP] et al.	LITHIUM SECONDARY BATTERY
WO2012172586 A1	HITACHI LTD [JP] et al.	LITHIUM SECONDARY BATTERY
WO2012171917 A1	COMMISSARIAT ENERGIE ATOMIQUE [FR] et al.	SECURE BATTERY ELEMENT
WO2012171865 A2	CONTINENTAL AUTOMOTIVE GMBH [DE] et al.	METHOD FOR DISPLAYING THE OPERATING RANGE OF AN ELECTRIC DRIVE VEHICLE, AND DISPLAY
WO2012170787 A2	CODA AUTOMOTIVE INC [US] et al.	BATTERY PACK WITH BREATHABLE MEMBRANE
WO2012170697 A1	BOSCH GMBH ROBERT [DE] et al.	LITHIUM/AIR BATTERY WITH VARIABLE VOLUME INSERTION MATERIAL
WO2012170240 A1	3M INNOVATIVE PROPERTIES CO [US] et al.	LITHIUM- ION ELECTROCHEMICAL CELLS INCLUDING FLUOROCARBON ELECTROLYTE ADDITIVES
WO2012169832 A2	LG CHEMICAL LTD [KR] et al.	CONNECTION STRUCTURE FOR A SECONDARY BATTERY AND BATTERY PACK COMPRISING SAME
WO2012169409 A1	PRIMEARTH EV ENERGY CO LTD [JP] et al.	ALKALINE STORAGE CELL AND METHOD FOR MANUFACTURING ALKALINE STORAGE CELL
WO2012169066 A1	TOYOTA MOTOR CO LTD [JP] et al.	METHOD FOR CHARGING BATTERY, AND APPARATUS FOR CONTROLLING CHARGING OF BATTERY
WO2012169065 A1	TOYOTA MOTOR CO LTD [JP] et al.	SOLID SECONDARY BATTERY SYSTEM
WO2012169062 A1	HITACHI VEHICLE ENERGY LTD [JP] et al.	BATTERY CONTROL DEVICE AND BATTERY SYSTEM
WO2012169061 A1	HITACHI VEHICLE ENERGY LTD [JP] et al.	BATTERY CONTROL DEVICE AND BATTERY SYSTEM
WO2012169039 A1	SUNTORY HOLDINGS LTD [JP], YAMAMOTO SEI-ICHIRO [JP]	CHARGING BILLING SYSTEM AND BILLING DEVICE
WO2012169023 A1	TOYOTA MOTOR CO LTD [JP] et al.	VEHICLE POWER-SUPPLY SYSTEM, AND VEHICLE
WO2012168169 A1	SB LIMOTIVE CO LTD [KR] et al.	METHOD FOR DETECTING A TRIGGERING OF A SECURITY DEVICE
WO2012167973 A1	BOSCH GMBH ROBERT [DE] et al.	ENERGY STORAGE DEVICE WITH HEATING DEVICE AND METHOD FOR HEATING ENERGY CELLS OF AN ENERGY STORAGE DEVICE
WO2012167811 A1	DAIMLER AG [DE], SCHINDLER DANIEL [DE]	METHOD AND APPARATUS FOR OPERATING ELECTROCHEMICAL BATTERIES
WO2012167728 A1	SHENZHEN BYD AUTO R & D COMPANY LTD [CN] et al.	BATTERY SEPARATOR AND METHOD FOR PREPARING THE SAME
WO2012167022 A1	JOHNSON CONTROLS TECHNOLOGY LLC [US] et al.	ELECTROCHEMICAL CELLS WITH IMPROVED HEAT COLLECTION AND TRANSFER SYSTEMS
WO2012165655 A1	YAZAKI CORP [JP], YOSHIDA KOSUKE	CHARGING STATE DISPLAYING DEVICE

[...volver a CONTENIDO](#)

SUPERCONDENSADORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2013037633 A2	BOSCH GMBH ROBERT [DE] et al.	METHOD AND APPARATUS FOR COMPENSATING FOR CHARGE DIFFERENCES BETWEEN THE BATTERY MODULES OF A BATTERY SYSTEM WITH AN OUTPUT VOLTAGE WHICH IS ADJUSTABLE IN STAGES
WO2013031526 A1	SEMICONDUCTOR ENERGY LAB [JP] et al.	POWER STORAGE DEVICE
WO2013031045 A1	SANYO CHEMICAL IND LTD [JP] et al.	ADDITIVE FOR ELECTRODE, AND ELECTRODE
WO2013024717 A1	UBE INDUSTRIES [JP] et al.	NONAQUEOUS ELECTROLYTE SOLUTION AND ELECTROCHEMICAL ELEMENT USING SAME
WO2013024555 A1	SHIMIZU KANJI [JP] et al.	THIN-FILM CAPACITOR DEVICE
WO2013011614 A1	DAIKIN IND LTD [JP], OHTSUKA KEISUKE	METHOD FOR MANUFACTURING FILM FOR FILM CAPACITOR, FILM, AND FILM CAPACITOR
WO2013008564 A1	JSR CORP [JP] et al.	BINDER COMPOSITION FOR ELECTRODES
WO2013004799 A2	INNOMAN GMBH [DE] et al.	ELECTRICALLY DRIVABLE VEHICLE HAVING A PLURALITY OF ELECTRICAL ENERGY ACCUMULATORS
WO2013004665 A2	MAGNA E CAR SYSTEMS GMBH & CO OG [AT], WEISER THOMAS [AT]	BOOST CONVERTER AND OPERATING METHOD THEREFOR
WO2013002119 A1	MURATA MANUFACTURING CO [JP] et al.	POWER STORAGE DEVICE AND METHOD OF MANUFACTURING THEREOF
WO2012175300 A1	BOSCH GMBH ROBERT [DE] et al.	STORAGE UNIT FOR STORING ELECTRICAL ENERGY WITH A HEAT PIPE
WO2013000263 A1	SHENZHEN HIFUTURE ELECTRIC CO LTD [CN] et al.	SUPER POLYIMIDE CAPACITOR AND PREPARATION METHOD THEREOF
WO2012173408 A2	YURA CORP CO LTD [KR] et al.	POWER RELAY ASSEMBLY DRIVING APPARATUS AND DRIVING METHOD THEREOF
WO2012172685 A1	TOYOTA MOTOR CO LTD [JP] et al.	POWER SUPPLY SYSTEM AND VEHICLE EQUIPPED WITH SAME, AND POWER SUPPLY SYSTEM CONTROL METHOD

[...volver a CONTENIDO](#)

SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2013037597 A1	SIEMENS AG [DE] et al.	DRIVE SYSTEM OF A BATTERY-OPERATED VEHICLE HAVING A PERMANENTLY EXCITED SYNCHRONOUS MACHINE SUPPLIED BY A POWER CONVERTER
WO2013035730 A1	HONDA MOTOR CO LTD [JP] et al.	HYBRID VEHICLE CONTROL DEVICE AND CONTROL METHOD
WO2013035728 A1	HONDA MOTOR CO LTD [JP] et al.	HYBRID VEHICLE CONTROL DEVICE AND CONTROL METHOD
WO2013030923 A1	TOYOTA MOTOR CO LTD [JP] et al.	BRAKING FORCE CONTROL APPARATUS FOR VEHICLE
WO2013026459 A1	AUDI NSU AUTO UNION AG [DE] et al.	METHOD FOR BRAKING A MOTOR VEHICLE
WO2013022681 A1	DELPHI TECH INC [US] et al.	METHOD AND SYSTEM TO ELECTRICALLY CHARGE AND DISCHARGE A BATTERY USING AN ELECTRICAL CHARGING SYSTEM THAT ELECTRICALLY COMMUNICATES WITH A REGENERATIVE BRAKING ELECTRICAL CIRCUIT
WO2013021272 A2	TOYOTA MOTOR CO LTD [JP] et al.	VEHICLE BRAKING FORCE CONTROL DEVICE AND METHOD FOR CONTROLLING VEHICLE BRAKING FORCE
WO2013020212 A1	ABB INC [CA] et al.	ELECTRICAL ENERGY STORAGE SYSTEM FOR TRACTION POWER SUPPLY
WO2013015248 A1	ADVICS CO LTD [JP] et al.	VEHICLE BRAKE DEVICE
WO2013014866 A1	PANASONIC CORP [JP] et al.	VEHICLE POWER UNIT
WO2013014371 A1	RENAULT SA [FR], PITAGIL GUILLERMO [FR]	METHOD FOR CONTROLLING AT LEAST ONE MEANS FOR RECUPERATING THE ENERGY GENERATED UNDER BRAKING OF A MOTOR VEHICLE
WO2013006962 A1	TCHERVENKOV JEAN I [CA] et al.	WHEEL ASSEMBLY DEFINING A MOTOR/GENERATOR
WO2013002705 A2	SCANIA CV AB [SE], BERGQUIST MIKAEL [SE]	METHOD AND DEVICE FOR REGENERATIVE BRAKING FOR A VEHICLE
WO2013002009 A1	ISUZU MOTORS LTD [JP], IWAO NOBUYUKI [JP]	HYBRID VEHICLE
WO2013000755 A1	BAYERISCHE MOTOREN WERKE AG [DE] et al.	METHOD FOR CONTROLLING A RECUPERATION DEVICE OF A VEHICLE
WO2012172464 A1	PROTEAN ELECTRIC LTD [GB] et al.	A BRAKE SYSTEM
WO2012169009 A1	TOYOTA MOTOR CO LTD [JP], KUSUMI HIDETOSHI [JP]	ELECTRIC VEHICLE AND METHOD FOR CONTROLLING ELECTRIC VEHICLE
WO2012167376 A1	PREVOST UNE DIVISION DE GROUPE VOLVO CANADA INC [CA] et al.	HYBRID VEHICLE

[...volver a CONTENIDO](#)

MÁQUINAS ELÉCTRICAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2013038078 A1	RENAULT SA [FR] et al.	COOLING OF AN ELECTRIC MOTOR VIA HEAT PIPES
WO2013037810 A1	GETRAG GETRIEBE ZAHNRAD [DE] et al.	MOTOR VEHICLE DRIVE TRAIN AND METHOD FOR OPERATING A DRIVE TRAIN
WO2013035729 A1	HONDA MOTOR CO LTD [JP] et al.	HYBRID VEHICLE CONTROL DEVICE AND CONTROL METHOD
WO2013035482 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	STATOR FOR ROTATING ELECTRICAL MACHINE AND ROTATING ELECTRICAL MACHINE
WO2013035294 A1	MAZDA MOTOR [JP] et al.	HYBRID AUTOMOBILE AND ENGINE IN HYBRID AUTOMOBILE, AS WELL AS SPECIFICATION SETTING METHOD FOR MOTOR GENERATOR
WO2013034824 A1	RENAULT SA [FR] et al.	ELECTRIC MOTOR CASING REDUCING NOISE EMISSION
WO2013034413 A2	SIEMENS AG [DE] et al.	STATOR FOR AN ELECTRIC MOTOR
WO2013033065 A1	REMY TECHNOLOGIES LLC [US] et al.	ELECTRIC MACHINE MODULE COOLING SYSTEM AND METHOD
WO2013031525 A1	HITACHI CONSTRUCTION MACHINERY [JP] et al.	CONSTRUCTION MACHINE
WO2013031491 A1	MITSUBISHI MOTORS CORP [JP], SAITO JUN [JP]	CONTROL DEVICE FOR HYBRID VEHICLE
WO2013031451 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2013029866 A2	BAYERISCHE MOTOREN WERKE AG [DE] et al.	ELECTRICALLY DRIVEN AXLE OF A DUAL TRACK VEHICLE
WO2013029682 A1	SCHAEFFLER TECHNOLOGIES AG [DE] et al.	DRIVE DEVICE
WO2013028712 A1	CODA AUTOMOTIVE INC [US] et al.	ENVIRONMENTAL CONTROL USING A DYNAMIC TEMPERATURE SET POINT
WO2013027726 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2013027511 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	HYBRID VEHICLE CONTROL APPARATUS
WO2013027348 A1	PANASONIC CORP [JP], SATO DAISUKE	MOTOR DRIVING APPARATUS AND BRUSHLESS MOTOR
WO2013026693 A2	SIEMENS AG [DE] et al.	ELECTRIC MACHINE WITH DAMPER SHIELD
WO2013026659 A2	SCHAEFFLER TECHNOLOGIES AG [DE] et al.	WHEEL HUB DRIVE SYSTEM
WO2013026088 A1	NEWSOUTH INNOVATIONS PTY LTD [AU] et al.	INTERIOR PERMANENT MAGNET MACHINE
WO2013026062 A2	REMY TECHNOLOGIES LLC [US], KUBES LARRY A [US]	ELECTRIC MACHINE COOLING
WO2013025270 A1	WISCONSIN ALUMNI RES FOUND [US] et al.	WOUND FIELD ROTATING MACHINE WITH CAPACITIVE POWER TRANSFER
WO2013024899 A1	NIPPON STEEL & SUMITOMO METAL [JP] et al.	NON-ORIENTED ELECTROMAGNETIC STEEL SHEET, METHOD FOR PRODUCING SAME, LAMINATE FOR MOTOR IRON CORE, AND METHOD FOR PRODUCING SAID LAMINATE
WO2013024894 A1	NIPPON STEEL & SUMITOMO METAL [JP] et al.	NON-ORIENTED ELECTROMAGNETIC STEEL SHEET, METHOD FOR PRODUCING SAME, LAMINATE FOR MOTOR IRON CORE, AND METHOD FOR PRODUCING SAID LAMINATE
WO2013024869 A1	HITACHI CONSTRUCTION MACHINERY [JP] et al.	WORK VEHICLE
WO2013024868 A1	HITACHI CONSTRUCTION MACHINERY [JP] et al.	WORK VEHICLE
WO2013024700 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	DYNAMO-ELECTRIC MACHINE
WO2013023908 A2	SIEMENS AG [DE] et al.	EXTERNAL-ROTOR MACHINE HAVING STATOR SEGMENTS
WO2013022737 A2	REMY TECHNOLOGIES LLC [US] et al.	ELECTRIC MACHINE MODULE COOLING SYSTEM AND METHOD
WO2013022722 A1	DELPHI TECH INC [US] et al.	ELECTRICAL CHARGING SYSTEM

WO2013022039 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2013022038 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2013021998 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2013021997 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2013021765 A1	NISSAN MOTOR [JP] et al.	HYBRID VEHICLE CONTROL UNIT
WO2013021731 A1	NISSAN MOTOR [JP] et al.	TORQUE CONTROL DEVICE
WO2013021445 A1	TOYOTA MOTOR CO LTD [JP], HASHIMOTO KEITA [JP]	VEHICLE, AND VEHICLE CONTROL METHOD
WO2013021248 A2	TOYOTA MOTOR CO LTD [JP] et al.	ROTARY ELECTRIC MACHINE
WO2013020444 A1	QIN LONG [CN]	CENTRIFUGAL ENERGY-SAVING POWER PLANT
WO2013020312 A1	GREE ELECTRIC APPLIANCES INC [CN] et al.	MOTOR ROTOR AND MOTOR HAVING SAME
WO2013018943 A1	NARYM CO LTD [KR], WANG HYUN MIN [KR]	TORQUE DRIVING DEVICE
WO2013018697 A1	SIM DRIVE CORP [JP], ENDO KENJI [JP]	PERMANENT MAGNET SYNCHRONOUS MOTOR
WO2013015079 A1	TOYOTA MOTOR CO LTD [JP] et al.	AIR CONDITIONING DEVICE FOR VEHICLE
WO2013015078 A1	TOYOTA MOTOR CO LTD [JP] et al.	VEHICLE AIR CONDITIONING DEVICE
WO2013013950 A2	MATUSCHEK MESTECHNIK GMBH [DE] et al.	GEARED MOTOR
WO2013013729 A1	AUDI NSU AUTO UNION AG [DE], REICH ANDREAS [DE]	METHOD FOR ASSISTING A PERSON IN PLANNING A JOURNEY WITH AN ELECTRIC VEHICLE, AND MOTOR VEHICLE HAVING A NAVIGATION DEVICE
WO2013013018 A1	REMY TECHNOLOGIES LLC [US], MEYER ANDREW [US]	ELECTROMECHANICAL POWER TRANSMISSION SYSTEM AND METHOD
WO2013011567 A1	TOYOTA MOTOR CO LTD [JP] et al.	DRIVE DEVICE FOR VEHICLE
WO2013009798 A2	REMY TECHNOLOGIES LLC [US] et al.	ROTOR ASSEMBLY FOR AN ELECTRIC MACHINE
WO2013009325 A1	HUSQVARNA AB [SE] et al.	RIDING LAWN MOWER INCLUDING BATTERY POWERED DRIVE SYSTEM
WO2013009324 A1	HUSQVARNA AB [SE] et al.	RIDING LAWN MOWER INCLUDING BATTERY POWERED CUTTING SYSTEM
WO2013008858 A1	AISIN AI CO LTD [JP] et al.	MOTIVE FORCE TRANSMISSION CONTROL APPARATUS FOR VEHICLE
WO2013008756 A1	SHOWA DENKO KK [JP] et al.	ALLOY FOR R-T-B-BASED RARE EARTH SINTERED MAGNET, PROCESS FOR PRODUCING ALLOY FOR R-T-B-BASED RARE EARTH SINTERED MAGNET, ALLOY MATERIAL FOR R-T-B-BASED RARE EARTH SINTERED MAGNET, R-T-B-BASED RARE EARTH SINTERED MAGNET, PROCESS FOR PRODUCING R-T-B-B
WO2013008625 A1	AISIN AW CO [JP] et al.	VEHICLE DRIVE APPARATUS
WO2013008568 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	ROTATING ELECTRIC MACHINE AND METHOD FOR MANUFACTURING STATOR COIL OF ROTATING ELECTRIC MACHINE
WO2013008566 A1	HONDA MOTOR CO LTD [JP] et al.	AUTOMOBILE DRIVE SYSTEM
WO2013008298 A1	TOYOTA MOTOR CO LTD [JP] et al.	BRAKE SYSTEM AND ACTUATOR CONTROL DEVICE
WO2013007400 A2	SCHAEFFLER TECHNOLOGIES AG [DE] et al.	PLANETARY GEAR TRAIN, PLANETARY GEAR TRAIN STAGE, ROTOR SHAFT BEARING ARRANGEMENT, AND DRIVE UNIT COMPRISING SUCH A ROTOR SHAFT BEARING ARRANGEMENT
WO2013007033 A1	CHEN MINGJUN [CN]	ELECTRIC VEHICLE
WO2013006383 A1	NUCLEUS SCIENT INC [US] et al.	MAGNETIC STATOR ASSEMBLY
WO2013005844 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2013005843 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2013005594 A1	JATCO LTD [JP] et al.	DEVICE FOR CONTROLLING HYBRID VEHICLE
WO2013005593 A1	JATCO LTD [JP] et al.	VEHICLE CONTROL DEVICE
WO2013005537 A1	NISSAN MOTOR [JP] et al.	SPLIT STATOR CORE

WO2013005238 A1	TECNOMATIC SPA [IT], GUERCIONI SANTE [IT]	STATOR FOR AN ELECTRIC MACHINE
WO2013004939 A1	PEUGEOT CITROEN AUTOMOBILES SA [FR], BERTRAND BELANGER PASCAL [FR]	SPEED CONTROL LEVER FOR AN ELECTRIC VEHICLE, AND PROCESS AND METHOD FOR USING SAME
WO2013004408 A1	SCHAEFFLER TECHNOLOGIES AG [DE] et al.	DRIVE SYSTEM HAVING A BEARING TILT DETECTION SYSTEM, AND ELECTRIC OR HYBRID VEHICLE HAVING THE SAME
WO2013004406 A1	SCHAEFFLER TECHNOLOGIES AG [DE] et al.	ELECTROMOTIVE DRIVE SYSTEM WITH THERMALLY DECOUPLED FRICTION BRAKE, AND ELECTRIC OR HYBRID VEHICLE HAVING A DRIVE SYSTEM OF SAID TYPE
WO2012178010 A1	CONTOUR HARDENING INC [US], STORM JOHN M [US]	MOBILE RECHARGING CONCEPTS FOR ELECTRIC VEHICLES
WO2013002251 A1	NTN TOYO BEARING CO LTD [JP], YAMADA HIROYUKI [JP]	MOTOR DRIVE DEVICE
WO2013002062 A1	NISSAN MOTOR [JP] et al.	CONTROL DEVICE FOR HYBRID VEHICLE
WO2012176705 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	ROTATING ELECTRICAL MACHINE, AND INSULATION MATERIAL AND SLOT LINERS FOR ROTATING ELECTRICAL MACHINE
WO2012176514 A1	NITTO DENKO CORP [JP] et al.	RARE EARTH PERMANENT MAGNET AND METHOD FOR PRODUCING RARE EARTH PERMANENT MAGNET
WO2012176512 A1	NITTO DENKO CORP [JP] et al.	RARE EARTH PERMANENT MAGNET AND METHOD FOR MANUFACTURING RARE EARTH PERMANENT MAGNET
WO2012176511 A1	NITTO DENKO CORP [JP] et al.	RARE EARTH PERMANENT MAGNET AND PRODUCTION METHOD FOR RARE EARTH PERMANENT MAGNET
WO2012176510 A1	NITTO DENKO CORP [JP] et al.	RARE EARTH PERMANENT MAGNET AND METHOD FOR MANUFACTURING RARE EARTH PERMANENT MAGNET
WO2012176509 A1	NITTO DENKO CORP [JP] et al.	RARE EARTH PERMANENT MAGNET AND PRODUCTION METHOD FOR RARE EARTH PERMANENT MAGNET
WO2013001626 A1	TOYOTA MOTOR CO LTD [JP] et al.	PARKING APPARATUS
WO2013001194 A1	RENAULT SA [FR] et al.	ELECTRICAL ARCHITECTURE OF A HYBRID VEHICLE, HYBRID VEHICLE AND CONTROL METHOD
WO2013000534 A1	AUDI NSU AUTO UNION AG [DE], FRONEMANN JENS [DE]	METHOD FOR CONTROLLING A DEVICE FOR RANGE EXTENSION AND DEVICE FOR RANGE EXTENSION
WO2013000528 A1	VALEO JAPAN CO LTD [JP], BELLET AUGUSTIN [FR]	DEVICE FOR ELECTRICALLY COUPLING AN ELECTRIC COMPRESSOR
WO2013000177 A1	CHEN MINGJUN [CN]	ELECTRIC VEHICLE
WO2012171818 A1	COMMISSARIAT ENERGIE ATOMIQUE [FR] et al.	DEVICE FOR DETECTING A DEFECT IN INSULATION
WO2012171490 A1	NINGBO INST OF MATERIALS TECHNOLOGY AND ENGINEERING CHINESE ACADEMY OF SCIENCES [CN] et al.	NEODYMIUM/IRON/BORON-BASED PERMANENT MAGNET
WO2012171180 A1	ZHEJIANG BOWISE TECHNOLOGY DEV CO LTD [CN], DU KUNMEI [CN]	ALL ELECTRIC WHEEL ASSEMBLY
WO2012171179 A1	ZHEJIANG DASHIYUAN ELECTRIC TECHNOLOGY LTD [CN] et al.	ALL-ELECTRIC WHEEL ASSEMBLY
WO2012171177 A1	ZHEJIANG DASHIYUAN ELECTRIC TECHNOLOGY LTD [CN] et al.	ALL-ELECTRIC WHEEL ASSEMBLY
WO2012169542 A1	HONDA MOTOR CO LTD [JP] et al.	DRIVE DEVICE FOR VEHICLE
WO2012169410 A1	AISIN AW CO [JP] et al.	DRIVE DEVICE FOR VEHICLE
WO2012168573 A2	IFP ENERGIES NOUVELLES [FR], DA COSTA ANTHONY [FR]	METHOD FOR RECHARGING AN ACCUMULATOR OF ELECTRICAL ENERGY FOR A HYBRID VEHICLE, NOTABLY ELECTRIC BATTERIES

[WO2012167316 A1](#)

AXIFLUX HOLDINGS PTY
LTD [AU], JAHSHAN DAVID
ELIAS [AU]

ELECTRIC MOTOR/GENERATOR

[...volver a CONTENIDO](#)

CONVERTIDORES, INVERSORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2013038090 A2	VALEO SYS CONTROLE MOTEUR SAS [FR] et al.	MEMBER FOR PRESSING A COMPONENT FIRMLY AGAINST A SURFACE
WO2013034965 A1	TOYOTA MOTOR CO LTD [JP] et al.	MOTOR CONTROL SYSTEM
WO2013031828 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	POWER CONVERSION DEVICE
WO2013031405 A1	NISSAN MOTOR [JP] et al.	POWER CONVERSION DEVICE
WO2013031291 A1	HONDA MOTOR CO LTD [JP] et al.	CURRENT DETECTION CIRCUIT MODULE
WO2013030043 A2	BOSCH GMBH ROBERT [DE] et al.	ELECTRICAL MOTOR HAVING A TEST CURRENT SOURCE
WO2013023931 A2	BAYERISCHE MOTOREN WERKE AG [DE], LOPEZ DE ARROYABE JOSE [DE]	VEHICLE WITH POWER ELECTRONICS
WO2013018820 A1	FUJI ELECTRIC CO LTD [JP], ODAKA AKIHIRO [JP]	POWER CONVERSION DEVICE AND ELECTRIC AUTOMOBILE
WO2013018620 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	POWER CONVERSION APPARATUS
WO2013018493 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	POWER CONVERSION DEVICE
WO2013018206 A1	TOYOTA MOTOR CO LTD [JP], KAMIYA MUNEHIRO [JP]	HYBRID VEHICLE
WO2013017779 A2	RENAULT SAS [FR], AIT-HAMMOUDA ISLAM [FR]	METHOD OF DIAGNOSING A SHORT CIRCUIT IN AN ELECTRICAL ASSEMBLY OF A MOTOR VEHICLE CONTAINING A CAPACITIVE COMPONENT, AND DIAGNOSTICS DEVICE
WO2013015371 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	CASE DIVISION STRUCTURE OF POWER CONVERSION DEVICE
WO2013015319 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	POWER CONVERTOR
WO2013015106 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	POWER CONVERSION DEVICE
WO2013014768 A1	TOYOTA MOTOR CO LTD [JP], SHIMANA TOMOKO [JP]	HYBRID VEHICLE CONTROL SYSTEM
WO2013012418 A1	ENPHASE ENERGY INC [US], FORNAGE MARTIN [US]	METHOD AND APPARATUS FOR MULTI-PHASE POWER TRANSFER
WO2013011780 A1	SUMITOMO ELECTRIC INDUSTRIES [JP] et al.	INDUCTOR, CONVERTER, AND POWER CONVERSION DEVICE
WO2013011557 A1	MITSUBISHI ELECTRIC CORP [JP] et al.	COOLER AND MOTOR-INTEGRATED POWER CONVERSION APPARATUS
WO2013011289 A2	CAMBRIDGE ENTPR LTD [GB] et al.	SWITCHING CIRCUITS
WO2013010694 A1	BOSCH GMBH ROBERT [DE], TRUNK MARTIN [DE]	METHOD AND DEVICE FOR MONITORING A GROUND CONNECTOR
WO2013009985 A1	COOPER TECHNOLOGIES CO [US] et al.	TRANSIENT VOLTAGE BLOCKING FOR POWERCONVERTER
WO2013007947 A1	VALEO SYS CONTROLE MOTEUR SAS [FR], DE SOUSA LUIS [FR]	AC/DC CONVERTER
WO2013007429 A2	BOSCH GMBH ROBERT [DE], CASARES MIGUEL [DE]	METHOD FOR OPERATING AN INVERTER, INVERTER AND CONTROL DEVICE FOR OPERATING THE INVERTER

WO2013005762 A1	NISSAN MOTOR [JP], SHOUJI MITSUHIRO	INVERTER CONTROL DEVICE AND INVERTER CONTROL METHOD
WO2013005575 A1	MEIDENSHA ELECTRIC MFG CO LTD [JP] et al.	DC FEEDING POWER SOURCE CONTROL DEVICE
WO2013005474 A1	HONDA MOTOR CO LTD [JP] et al.	SEMICONDUCTOR DEVICE
WO2013005385 A1	KOBE STEEL LTD [JP] et al.	NOISE MINIMIZATION COIL ELEMENT, INVERTER CASING, AND INVERTER DEVICE
WO2013005375 A1	NEC CORP [JP] et al.	RECTIFIER AND WIRELESS POWER TRANSMISSION SYSTEM
WO2013003572 A1	NILAR INT AB [SE], HOWLETT RICHARD [US]	AN ENERGY MANAGEMENT SYSTEM
WO2012178056 A2	UNIV ILLINOIS [US], MAZUMDER SUDIP K [US]	SCALABLE SINGLE-STAGE DIFFERENTIAL POWER CONVERTER
WO2013002043 A1	AISIN AW CO [JP] et al.	ROTARY ELECTRICAL MACHINE CONTROL DEVICE
WO2012176706 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	POWER SEMICONDUCTOR MODULE AND ELECTRIC POWER CONVERSION DEVICE USING SAME
WO2013002016 A1	FUJI ELECTRIC CO LTD [JP] et al.	POWER CONVERSION DEVICE
WO2013001989 A1	TOYOTA MOTOR CO LTD [JP] et al.	POWER SUPPLY SYSTEM
WO2013001905 A1	TOYOTA MOTOR CO LTD [JP] et al.	LEAD FRAME AND POWER MODULE
WO2013001785 A1	PANASONIC CORP [JP] et al.	DC-DC CONVERTER
WO2013001595 A1	TOYOTA MOTOR CO LTD [JP], ISHIKAWA KEITARO [JP]	CAPACITANCE ELEMENT HOUSING UNIT
WO2013000721 A2	SCHNEIDER TOSHIBA INVERTER [FR], BARAUNA ALLAN PIERRE [FR]	POWER MANAGEMENT SYSTEM COMPRISING A POWER SOURCE, A SOURCE OF RENEWABLE ENERGY, AND A POWER CONVERTER
WO2012171683 A2	BOSCH GMBH ROBERT [DE] et al.	METHOD FOR OPERATING AN ELECTRICAL POWER SUPPLY ARRANGEMENT
WO2012169012 A1	TOYOTA MOTOR CO LTD [JP], TAKENAGA TOMOHIRO [JP]	COOLER

[...volver a CONTENIDO](#)

RECARGA DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2013038849 A1	SHARP KK [JP] et al.	CHARGING DEVICE
WO2013038098 A2	RENAULT SA [FR], MALRIEU JULIEN [FR]	METHOD OF MONITORING THE CAPACITIVE FILTER OF A BATTERY CHARGER
WO2013036216 A1	MAHALLI YAHYA Y [US]	FLEXIBLE AND EFFICIENT ENERGY SOURCE
WO2013036019 A2	KOREA TRANSP INST [KR] et al.	SYSTEM AND METHOD FOR STORING ELECTRIC ENERGY, SYSTEM FOR SUPPLYING POWER FOR CHARGING AN ELECTRIC VEHICLE, AND METHOD AND SYSTEM FOR PAYMENT FOR POWER FOR CHARGING AN ELECTRIC VEHICLE
WO2013035673 A1	NISSAN MOTOR [JP] et al.	INTERMEDIATE GRASPING TOOL OF CHARGING CABLE
WO2013035511 A1	HONDA MOTOR CO LTD [JP] et al.	VEHICLE BATTERY CONTROL DEVICE
WO2013035481 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	CHARGING PLANNING SYSTEM, CHARGING PLANNING DEVICE, CHARGING PLANNING METHOD, AND PROGRAM
WO2013035424 A1	DENSO CORP [JP], YAMADA KOUICHI [JP]	VEHICLE ELECTRICAL ACCESSORY DEVICE
WO2013035241 A2	TOKAI RIKA CO LTD [JP] et al.	POWER SUPPLYING PLUG LOCK DEVICE
WO2013035240 A1	TOKAI RIKA CO LTD [JP] et al.	LOCK DEVICE
WO2013034872 A2	ELECTRIC CAR CHARGING COMPANY LTD [GB], LIMPKIN ALAN [GB]	AN IMPROVED LAMP COLUMN
WO2013034856 A2	ELECTRICITE DE FRANCE [FR] et al.	METHOD AND DEVICE FOR OPTIMIZED RECHARGING OF AN ELECTRIC BATTERY
WO2013034854 A2	ELECTRICITE DE FRANCE [FR] et al.	METHOD AND DEVICE FOR OPTIMIZED RECHARGING OF AN ELECTRIC BATTERY
WO2013034853 A1	ELECTRICITE DE FRANCE [FR] et al.	METHOD AND DEVICE FOR THE OPTIMIZED RECHARGING OF AN ELECTRIC BATTERY
WO2013034177 A1	SIEMENS AG [DE], GELLERT REMO [DE]	CHARGING STATION
WO2013032203 A1	KOREA ADVANCED INST SCI & TECH [KR] et al.	DUST COLLECTION APPARATUS FOR A MOVABLE BODY AND POWER COMPENSATION METHOD FOR SAME
WO2013031657 A1	SHARP KK [JP] et al.	IN-HOUSE DISCHARGE CONTROL DEVICE, AND IN-HOUSE DISCHARGE CONTROL METHOD
WO2013031615 A1	SANYO ELECTRIC CO [JP], FURUKAWA KIMIHIKO [JP]	BATTERY SYSTEM FOR HYBRID CAR AND HYBRID CAR EQUIPPED WITH THIS BATTERY SYSTEM
WO2013031320 A1	TOYOTA JIDOSHOKKI KK [JP], HORIBA MASAYUKI [JP]	CHARGING SYSTEM FOR VEHICLE
WO2013031073 A1	TOSHIBA KK [JP] et al.	CHARGING SYSTEM, CHARGING DEVICE, AND CHARGING METHOD
WO2013030941 A1	TOYOTA MOTOR CO LTD [JP], ANG WANLENG [JP]	POWER SUPPLY SYSTEM FOR VEHICLE
WO2013030653 A2	TOYOTA MOTOR CO LTD [JP] et al.	POWER SUPPLY CONNECTOR, VEHICLE, AND CONTROL METHOD FOR VEHICLE
WO2013030646 A2	TOYOTA MOTOR CO LTD [JP] et al.	METHOD FOR IDENTIFYING OPERATING MODE OF CHARGING/SUPPLYING SYSTEM BETWEEN VEHICLE AND EXTERIOR, AND SYSTEM FOR IDENTIFYING OPERATING MODE OF THE SYSTEM BY THE IDENTIFYING METHOD
WO2013030641 A1	PANASONIC CORP [JP] et al.	CHARGING DEVICE FOR ELECTRIC VEHICLE AND CHARGING SYSTEM FOR ELECTRIC VEHICLE
WO2013030637 A2	TOYOTA MOTOR CO LTD [JP] et al.	FEEDING CONNECTOR FOR FEEDING ELECTRIC POWER FROM VEHICLE TO EXTERNAL POWER RECEIVING DEVICE, METHOD FOR IDENTIFYING THE CONNECTOR, SYSTEM FOR IDENTIFYING THE CONNECTOR, AND FEEDING SYSTEM USING THE CONNECTOR

WO2013030265 A2	BAYERISCHE MOTOREN WERKE AG [DE], KRAMMER JOSEF [DE]	DEVICE FOR ESTABLISHING AND DISCONNECTING A CHARGING CONNECTION FOR A PLUG-IN VEHICLE IN AN AUTOMATED MANNER
WO2013029900 A1	PHOENIX CONTACT GMBH & CO [DE], TEMME THORSTEN [DE]	CONTROL APPARATUS FOR CONTROLLING LOCK ACTUATORS
WO2013029891 A2	BOSCH GMBH ROBERT [DE] et al.	METHOD AND DEVICE FOR CHARGING A BATTERY OF AN ELECTRICAL DRIVE USING COMPONENTS OF THE ELECTRICAL DRIVE
WO2013029774 A2	VOLKSWAGEN AG [DE] et al.	METHOD AND DEVICE FOR CHARGING AN ENERGY STORE OF A VEHICLE
WO2013029670 A1	SIEMENS AG [DE], SCHRIEK UWE [DE]	METHOD AND ARRANGEMENT FOR DETERMINING THE MAGNITUDE OF AN AMOUNT OF ELECTRICAL ENERGY
WO2013028469 A2	QUALCOMM INC [US], DAVIS ROY H [US]	INTEGRATED PHOTO VOLTAIC SOLAR PLANT AND ELECTRIC VEHICLE CHARGING STATION AND METHOD OF OPERATION
WO2013027113 A1	PANASONIC CORP [JP] et al.	CHARGING APPARATUS FOR ELECTRIC MOTOR VEHICLES
WO2013027100 A1	PANASONIC CORP [JP] et al.	CHARGING DEVICE FOR ELECTRIC VEHICLE
WO2013026464 A1	SIEMENS AG [DE] et al.	MAKING AVAILABLE ELECTRICAL ENERGY
WO2013025905 A2	NUCLEUS SCIENT INC [US] et al.	OVERHEAD POWER TRANSFER SYSTEM
WO2013024675 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	VEHICLE DRIVE DEVICE
WO2013024645 A1	NEC CORP [JP], NYU TAKAYUKI [JP]	CHARGING MANAGEMENT SYSTEM, CHARGER, AND PROGRAM
WO2013024541 A1	HITACHI VEHICLE ENERGY LTD [JP] et al.	CELL MONITORING DEVICE AND CELL CONTROL DEVICE PROVIDED WITH SAME
WO2013023701 A1	SIEMENS AG [DE] et al.	PROVIDING ELECTRICAL ENERGY
WO2013023695 A1	SIEMENS AG [DE], KEPKA ALEXANDER [DE]	CHARGING STATION
WO2013023694 A1	SIEMENS AG [DE], KEPKA ALEXANDER [DE]	CHARGING STATION
WO2013021988 A1	HITACHI CONSTRUCTION MACHINERY [JP] et al.	ELECTRIC CONSTRUCTION MACHINE
WO2013021663 A1	HITACHI SOLUTIONS LTD [JP], OHAMA NOBUYUKI [JP]	CHARGER INFORMATION DISTRIBUTION DEVICE
WO2013021589 A1	PANASONIC CORP [JP], OHMORI CHIKARA	EQUALIZER CIRCUIT, POWER SUPPLY SYSTEM, AND VEHICLE
WO2013021550 A1	TOSHIBA KK [JP] et al.	ELECTRIC VEHICLE CHARGING SYSTEM AND ELECTRIC VEHICLE CHARGING APPARATUS
WO2013021252 A1	PANASONIC CORP [JP] et al.	CHARGING DEVICE FOR ELECTRIC VEHICLE
WO2013020956 A2	KOSTAL LEOPOLD GMBH & CO KG [DE], BENDICKS NORBERT [DE]	CHARGING STATION AND METHOD FOR INDUCTIVELY CHARGING THE TRACTION BATTERY OF AN ELECTRICALLY DRIVEN VEHICLE
WO2013020575 A1	ABB RESEARCH LTD [CH] et al.	AN ELECTRONIC PROTECTION DEVICE FOR AN ELECTRIC VEHICLE CHARGING DEVICE.
WO2013019989 A2	UNIV CALIFORNIA [US] et al.	INTELLIGENT ELECTRIC VEHICLE CHARGING SYSTEM
WO2013018738 A1	SHARP KK [JP] et al.	CHARGER, METHOD FOR CONTROLLING CHARGER, CONTROL PROGRAM AND RECORDING MEDIUM
WO2013018250 A1	PANASONIC CORP [JP] et al.	CELL ASSEMBLY
WO2013017446 A2	GEMALTO SA [FR], LENZ HOLGER [FR]	METHOD AND SYSTEM FOR ACCESSING AN ENERGY CHARGING SERVICE
WO2013017443 A2	EVTRONIC [FR], STEMPIN ERIC [FR]	ELECTRIC BATTERY CHARGING INSTALLATION AND METHOD
WO2013017161 A1	SIEMENS AG [DE], BRILL ROLAND [DE]	CHARGING STATION
WO2013017115 A2	KIEKERT AG [DE], REDDMANN UWE [DE]	MOUNTING DEVICE WITH A CABLE GUIDE FOR AN ELECTRIC VEHICLE
WO2013017114 A2	KIEKERT AG [DE], REDDMANN UWE [DE]	MOUNTING DEVICE WITH CLUTCH FOR AN ELECTRIC VEHICLE
WO2013015926 A1	LIGHTENING ENERGY [US] et al.	STATION FOR RAPIDLY CHARGING AN ELECTRIC VEHICLE BATTERY
WO2013015925 A1	LIGHTENING ENERGY [US] et al.	SYSTEM AND METHOD FOR RECHARGING ELECTRIC VEHICLE BATTERIES

WO2013015863 A2	BOEING CO [US] et al.	A SYSTEM FOR MONITORING A BATTERY CHARGER
WO2013015306 A1	MITSUBISHI HEAVY IND LTD [JP] et al.	CHARGE INFRASTRUCTURE MANAGEMENT SYSTEM, CONTROL METHOD, AND PROGRAM
WO2013015273 A1	MITSUBISHI HEAVY IND LTD [JP] et al.	BATTERY SYSTEM
WO2013015244 A1	MITSUBISHI ELECTRIC CORP [JP] et al.	SECONDARY BATTERY CHARGING CONTROL DEVICE AND CHARGING CONTROL METHOD
WO2013015162 A1	MITSUBISHI MOTORS CORP [JP] et al.	BATTERY-DEVICE CHARGING AND DISCHARGING SYSTEM
WO2013014930 A1	SANYO ELECTRIC CO [JP], NISHIKAWA KAZUFUMI [JP]	BATTERY SYSTEM, BATTERY CONTROL DEVICE, ELECTRIC VEHICLE, MOBILE BODY, AND POWER SOURCE DEVICE
WO2013014835 A1	PANASONIC CORP [JP], KIKUCHI JUN	BATTERY BLOCK, AND POWER SOURCE SYSTEM
WO2013014351 A1	RENAULT SA [FR] et al.	SYSTEM FOR MONITORING A RECTIFIER FOR CHARGING A BATTERY OF AN ELECTRIC AUTOMOBILE
WO2013014124 A1	SIEMENS AG [DE], KOMMA THOMAS [DE]	TRANSFORMER SUB-CIRCUIT
WO2013013869 A1	BOSCH GMBH ROBERT [DE] et al.	ENERGY STORAGE DEVICE, SYSTEM HAVING AN ENERGY STORAGE DEVICE, AND METHOD FOR OPERATING AN ENERGY STORAGE DEVICE
WO2013013763 A1	VOLKSWAGEN AG [DE] et al.	METHOD AND TEST SYSTEM FOR TESTING A CONTACTOR ARRANGEMENT FOR A VEHICLE
WO2013013742 A2	AUDI NSU AUTO UNION AG [DE] et al.	METHOD FOR CHARGING A TRACTION BATTERY, DEVICE FOR TRANSMITTING ENERGY TO AN ELECTRIC VEHICLE AND MOTOR VEHICLE
WO2013011596 A1	MITSUBISHI ELECTRIC CORP [JP] et al.	VEHICLE CHARGING SYSTEM AND VEHICLE CHARGING METHOD
WO2013011556 A1	TOYOTA MOTOR CO LTD [JP], ONO TOMOYA [JP]	VEHICLE
WO2013011020 A2	BAYERISCHE MOTORENWERKE AG [DE] et al.	CHARGING DEVICE HAVING A SECONDARY POWER SUPPLY UNIT
WO2013010837 A1	SB LIMOTIVE GERMANY GMBH [DE] et al.	METHOD FOR CHARGING A BATTERY, AND BATTERY FOR IMPLEMENTING THE METHOD
WO2013010693 A1	BOSCH GMBH ROBERT [DE] et al.	SYSTEM WITH BATTERY CHARGING DEVICE AND VEHICLE ELECTRICAL SYSTEM POWER SUPPLY STAGE
WO2013010592 A1	SIEMENS AG [DE] et al.	CHARGING STATION
WO2013010587 A1	SIEMENS AG [DE] et al.	METHOD FOR CONTROLLING A CHARGING DEVICE
WO2013008922 A1	SUMITOMO ELECTRIC INDUSTRIES [JP] et al.	COMMUNICATION SYSTEM
WO2013008903 A1	SUMITOMO ELECTRIC INDUSTRIES [JP] et al.	COMMUNICATION SYSTEM AND COMMUNICATION APPARATUS
WO2013008429 A1	PANASONIC CORP [JP], NOSAKA SHIGEKIYO	CHARGING APPARATUS AND VEHICLE
WO2013008329 A1	TOYOTA MOTOR CO LTD [JP] et al.	CHARGING CABLE STORAGE DEVICE
WO2013007418 A1	BOSCH GMBH ROBERT [DE] et al.	METHOD AND DEVICE FOR OPERATING A VEHICLE, COMPUTER PROGRAM, AND COMPUTER PROGRAM PRODUCT
WO2013006595 A2	GEN ELECTRIC [US], BOOT JOHN CHRISTOPHER [US]	SYSTEM AND METHOD FOR USE IN CHARGING AN ELECTRICALLY POWERED VEHICLE
WO2013005440 A2	TOYOTA JIDOSHOKKI KK [JP], TANAKA KATSUNORI [JP]	CELL EQUALIZATION CONTROL SYSTEM
WO2013005326 A1	TOYOTA MOTOR CO LTD [JP] et al.	CHARGING CABLE HOUSING DEVICE
WO2013004935 A2	PEUGEOT CITROEN AUTOMOBILES SA [FR], LEFEBVRE LUDOVIC [FR]	COOLING CIRCUIT FOR A HYBRID OR ELECTRIC VEHICLE
WO2013004600 A2	KOSTAL LEOPOLD GMBH & CO KG [DE] et al.	CHARGING SYSTEM FOR CHARGING THE TRACTION BATTERY OF AN ELECTRICALLY DRIVEN MOTOR VEHICLE
WO2013004426 A1	BOSCH GMBH ROBERT [DE] et al.	ACTIVATION OF A CONTROL DEVICE FOR SWITCHING OFF THE HIGH VOLTAGE SYSTEM

WO2012178212 A2	L R S INNOVATIONS INC [US], SADLER LAWRENCE R [US]	POWER CONDITIONING SYSTEM
WO2012178211 A2	L R S INNOVATIONS INC [US], SADLER LAWRENCE R [US]	ELECTRIC VEHICLE
WO2012176943 A1	KOREA ADVANCED INST SCI & TECH [KR] et al.	POWER SUPPLY SYSTEM AND METHOD
WO2012176942 A1	KOREA ADVANCED INST SCI & TECH [KR] et al.	POWER SUPPLY SYSTEM AND METHOD
WO2013002319 A1	EQUOS RES CO LTD [JP], YAMAKAWA HIROYUKI [JP]	ELECTRICAL POWER TRANSMISSION SYSTEM
WO2012176833 A1	SUMITOMO ELECTRIC INDUSTRIES [JP] et al.	COMMUNICATION SYSTEM AND COMMUNICATION DEVICE
WO2013001258 A2	IER SYSTEMS [FR] et al.	CHARGING TERMINAL FOR AN ELECTRICAL VEHICLE, STATION AND SYSTEM USING SUCH A TERMINAL
WO2013001251 A1	IER SYSTEMS [FR] et al.	METHOD AND SYSTEM FOR MANAGING A POWER-CHARGING SPACE FOR A VEHICLE, ESPECIALLY A SELF-SERVICE ELECTRICAL VEHICLE
WO2013001233 A2	VALEO SYS CONTROLE MOTEUR SAS [FR] et al.	METHOD AND SYSTEM FOR MANAGING THE POWER OF A HYBRID VEHICLE
WO2012175848 A2	PEUGEOT CITROEN AUTOMOBILES SA [FR] et al.	SYSTEM FOR SAFE CHARGING OF AN ELECTRIC OR HYBRID VEHICLE
WO2013000687 A1	IBM [US] et al.	RECHARGING OF BATTERY ELECTRIC VEHICLES ON A SMART ELECTRICAL GRID SYSTEM
WO2013000599 A1	RWE AG [DE], BECKER GERNOT [DE]	CHARGING DEVICE FOR ELECTRIC VEHICLES AND METHOD FOR CHARGING ELECTRIC VEHICLES
WO2012174009 A2	GEN ELECTRIC [US] et al.	SYSTEM AND METHOD FOR CONTROLLING AND POWERING A VEHICLE
WO2012173134 A1	MITSUBISHI HEAVY IND LTD [JP] et al.	CHARGING SYSTEM, CHARGING MANAGEMENT DEVICE, CONTROL METHOD, AND PROGRAM
WO2012172410 A1	TOYOTA MOTOR CO LTD [JP] et al.	POWER TRANSMITTING DEVICE, POWER RECEIVING DEVICE, VEHICLE, AND CONTACTLESS POWER SUPPLY SYSTEM AND CONTROL METHOD FOR CONTACTLESS POWER SUPPLY SYSTEM
WO2012172263 A2	RENAULT SA [FR] et al.	METHOD FOR POWERING AN ELECTRICAL ACCESSORY OF A MOTOR VEHICLE COMPRISING AN ELECTRIC BATTERY TO WHICH SAID ACCESSORY IS CONNECTED
WO2012171883 A1	AMAD MENNEKES HOLDING GMBH & CO KG [DE] et al.	CHARGING STATION FOR POWER CONSUMERS
WO2012171760 A1	SIEMENS AG [DE] et al.	METHOD AND CHARGING STATION FOR VERIFYING VEHICLE COMPONENTS OF AN ELECTRIC VEHICLE
WO2012171686 A1	BOSCH GMBH ROBERT [DE], TIEFENBACH ANDY [DE]	BATTERY SYSTEM AND METHOD FOR PROVIDING AN INTERMEDIATE VOLTAGE
WO2012169743 A2	KOREA ELECTRIC TERMINAL CO LTD [KR], MO JUNG HYUK [KR]	LOCKING DEVICE FOR A CHARGING CONNECTOR
WO2012169315 A1	TOYOTA JIDOSHOKKI KK [JP], KURAISHI MAMORU [JP]	SECONDARY BATTERY CHARGING DEVICE
WO2012169171 A1	PANASONIC CORP [JP], MORIMOTO NAOHISA	VEHICLE POWER-SUPPLY SYSTEM
WO2012169063 A1	HITACHI VEHICLE ENERGY LTD [JP] et al.	BATTERY CONTROL DEVICE AND BATTERY SYSTEM
WO2012169050 A1	TOYOTA MOTOR CO LTD [JP] et al.	POWER SUPPLY APPARATUS FOR VEHICLE
WO2012169047 A1	TOYOTA MOTOR CO LTD [JP] et al.	POWER-RECEIVING DEVICE, VEHICLE, AND NON-CONTACT POWER SUPPLY SYSTEM
WO2012168983 A1	MITSUBISHI ELECTRIC CORP [JP], OHSAWA TAKASHI [JP]	CHARGING DEVICE
WO2012168777 A2	TOYOTA MOTOR CO LTD [JP] et al.	CONTACTLESS POWER RECEIVING DEVICE, VEHICLE EQUIPPED WITH THE SAME, CONTACTLESS POWER TRANSMITTING DEVICE, AND CONTACTLESS POWER TRANSFER SYSTEM

WO2012168318 A2	BAYERISCHE MOTOREN WERKE AG [DE] et al.	CHARGING DEVICE AND CHARGING METHOD WITH FLOAT-MOUNTED CHARGING UNIT
WO2012168194 A1	PHOENIX CONTACT GMBH & CO [DE] et al.	CABLE CONNECTOR
WO2012168180 A2	SB LIMOTIVE CO LTD [KR] et al.	ENERGY SYSTEM FOR A VEHICLE, METHOD FOR REDUCING THE CHARGING OF A BATTERY AND MOTOR VEHICLE
WO2012167971 A1	BOSCH GMBH ROBERT [DE] et al.	ENERGY STORAGE DEVICE, SYSTEM WITH ENERGY STORAGE DEVICE AND METHOD FOR GENERATING A SUPPLY VOLTAGE OF AN ENERGY STORAGE DEVICE
WO2012165879 A2	SK INNOVATION CO LTD [KR], LIM JAE HWAN [KR]	SECONDARY BATTERY MANAGEMENT SYSTEM AND METHOD FOR EXCHANGING BATTERY CELL INFORMATION

[...volver a CONTENIDO](#)

CAMBIO DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2013020487 A1	SHANGHAI DIANBA NEW ENERGY TECHNOLOGY CO LTD [CN], ZHANG JIANPING [CN]	LOCKING DEVICE FOR VEHICLE-MOUNTED POWER BATTERY
WO2013017793 A1	RENAULT SAS [FR] et al.	STRUCTURE FOR STORING MOTOR VEHICLE BATTERIES HAVING A MECHANISM FOR LOCKING THE BATTERIES IN THE STORAGE CELLS
WO2013013352 A1	LIAONING ELECTRIC POWER COMPANY LTD [CN] et al.	HANDLING TROLLEY USABLE FOR FAST EXCHANGE OF PURELY ELECTRIC VEHICLE BATTERY BOXES
WO2013006999 A1	SHANDONG ELEC POWER RES INST [CN] et al.	POSITIONING DEVICE AND METHOD FOR CHASSIS BATTERY REPLACEMENT OF ELECTRIC VEHICLE
WO2013004931 A1	RENAULT SA [FR] et al.	POSITIONING OF A MOTOR VEHICLE AND VEHICLE POWER SUPPLY BATTERY EXCHANGE

[...volver a CONTENIDO](#)