

Noticias

La Oficina Española de Patentes y Marcas (OEPM) estará presente en la cuarta edición del Salón Vehículo y Combustible Alternativos, que se celebrará en la Feria de Valladolid del 4 al 6 de octubre de 2012. Dicha feria complementa la exposición comercial con jornadas técnicas y prueba de vehículos.

Durante las jornadas técnicas se hablará sobre el Plan Nacional de Mejora de la Calidad del Aire (PNMCA), la infraestructura de recarga del vehículo eléctrico, novedades técnicas y novedades regulatorias e instrumentos de apoyo.

En el bloque dedicado a la mejora de la calidad del aire se presentarán ejemplos específicos llevados a cabo en ciudades como Pamplona, Barcelona, Madrid y Málaga. Intervendrán también representantes de empresas privadas como Nissan, Renault, Repsol, Chevrolet e Infiniti, entre otras.

En el capítulo sobre novedades regulatorias e instrumentos de apoyo se analizarán las normativas de ámbito

européo, nacional y regional en materia de biocombustibles, vehículo eléctrico, glp y gas natural; asimismo los ponentes explicarán los servicios de apoyo y subvenciones de patentes en vigor.

Por otro lado, durante el pasado "Salón Internacional del Automóvil de Madrid", celebrado entre el 25 de mayo y el 3 de junio de 2012, la presencia de modelos eléctricos o híbridos fue menos relevante que en la edición de 2010, cuando se denominó "Salón Internacional del Automóvil Ecológico y de la Movilidad Sostenible", con la movilidad eléctrica como gran protagonista. Este año estaban presentes en el Salón, entre otros, el Smart Fortwo eléctrico, el Mercedes Clase E300 Bluetec Hybrid o el BMW ActiveHybrid3.

Por último, según datos de la Asociación Española de Fabricantes de Automóviles y Camiones (ANFAC), la cuota de mercado de los turismos híbridos y eléctricos alcanzó el 1,7% en julio de 2012, siendo de 1,3% en el acumulado del primer semestre del año.

CONTENIDO:

- **TECNOLOGÍAS VEHICULARES**
 - [Baterías](#)
 - [Supercondensadores](#)
 - [Sistemas de recuperación de energía, p.ej. frenos regenerativos](#)
 - [Máquinas eléctricas](#)
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- **INFRAESTRUCTURAS DE CARGA**
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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
WO2012076125 A1	VOLKSWAGEN AG [DE] et al.	CONDUCTOR PLATE FOR A VEHICLE BATTERY MODULE
WO2012075423 A2	ENERDEL INC [US] et al.	HEAT-RESISTANT LAYER FOR NON-AQUEOUS AND SOLID STATE BATTERY AND METHOD OF MANUFACTURING THE SAME
WO2012074622 A1	IMRA AMERICA INC [US] et al.	A RECHARGEABLE ELECTROCHEMICAL ENERGY STORAGE DEVICE
WO2012074300 A2	LG CHEMICAL LTD [KR] et al.	LITHIUM SECONDARY BATTERY
WO2012074219 A2	LG CHEMICAL LTD [KR] et al.	NOVEL DEVICE FOR LAMINATING AND SECONDARY BATTERY PRODUCED BY USING SAME
WO2012074215 A2	LG CHEMICAL LTD [KR] et al.	NOVEL DEVICE FOR NOTCHING AND SECONDARY BATTERY PRODUCED BY USING SAME
WO2012074214 A2	LG CHEMICAL LTD [KR] et al.	NOVEL DEVICE FOR CUTTING ELECTRODE SHEET AND SECONDARY BATTERY PRODUCED BY USING SAME
WO2012073933 A1	SANYO ELECTRIC CO [JP] et al.	ALKALINE STORAGE BATTERY
WO2012073853 A1	TORAY INDUSTRIES [JP] et al.	BINDER FOR ELECTRODES OF LITHIUM ION BATTERIES, PASTE FOR NEGATIVE ELECTRODES OF LITHIUM ION BATTERIES, AND METHOD FOR PRODUCING NEGATIVE ELECTRODE OF LITHIUM ION BATTERY
WO2012073747 A1	SANYO ELECTRIC CO [JP] et al.	POSITIVE ELECTRODE FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERIES, METHOD FOR PRODUCING SAME, AND NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2012073439 A1	PANASONIC CORP [JP] et al.	BATTERY BLOCK, BATTERY MODULE, AND BATTERY PACK ARRANGEMENT STRUCTURE
WO2012073415 A1	PANASONIC CORP [JP] et al.	BATTERY PACK
WO2012072434 A1	SB LIMOTIVE CO LTD [KR] et al.	METHOD FOR ASCERTAINING THE OPEN CIRCUIT VOLTAGE OF A BATTERY, BATTERY WITH A MODULE FOR ASCERTAINING THE OPEN CIRCUIT VOLTAGE AND A MOTOR VEHICLE HAVING A CORRESPONDING BATTERY
WO2012070782 A2	LG CHEMICAL LTD [KR] et al.	BATTERY PACK HAVING A COMPACT STRUCTURE
WO2012070634 A1	SEMICONDUCTOR ENERGY LAB [JP], KAMATA KOICHIRO [JP]	POWER TRANSMISSION DEVICE AND WIRELESS POWER TRANSMISSION SYSTEM INCLUDING THE SAME
WO2012070190 A1	PANASONIC CORP [JP] et al.	CHARGING CONTROL CIRCUIT, BATTERY DRIVEN APPARATUS, CHARGING APPARATUS, AND CHARGING METHOD
WO2012070184 A1	ULVAC INC [JP] et al.	POSITIVE ELECTRODE FOR LITHIUM SULFUR SECONDARY BATTERY, AND METHOD FOR FORMING SAME
WO2012070154 A1	TOYOTA MOTOR CO LTD [JP] et al.	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2012070153 A1	TOYOTA MOTOR CO LTD [JP], ONIZUKA HIROSHI [JP]	NEGATIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM ION SECONDARY BATTERY
WO2012069561 A1	BEHR GMBH & CO KG [DE] et al.	FRAME FOR AN ELECTROCHEMICAL ENERGY-STORAGE UNIT
WO2012069417 A1	ALTINAY ROBOT TEKNOLOJILERI AS [TR], TOSUNOGLU SELMAN [TR]	IMPROVED HEAT EXCHANGER MODULE FOR ELECTROCHEMICAL ACCUMULATORS
WO2012069349 A1	CONTINENTAL AUTOMOTIVE GMBH [DE] et al.	METHOD FOR CONNECTING A BATTERY CELL TO A COOLING BODY, AND USE OF THE METHOD TO PRODUCE AN ELECTRIC BATTERY

WO2012068987 A1	BOSCH GMBH ROBERT [DE] et al.	AN ELECTRODE FOR LITHIUM ION BATTERIES AND THE METHOD FOR MANUFACTURING THE SAME
WO2012068734 A1	NORTON KENNETH HAMILTON [CN]	BATTERY MANAGEMENT SYSTEM AND METHOD
WO2012068732 A1	NORTON KENNETH HAMILTON [CN]	A BATTERY PACK ASSEMBLY
WO2012067432 A2	LG HAUSYS LTD [KR] et al.	BATTERY ASSEMBLY HAVING A HEAT-DISSIPATING AND HEAT-EMITTING FUNCTION
WO2012067365 A2	LG CHEMICAL LTD [KR] et al.	BATTERY MODULE HAVING ENHANCED SAFETY
WO2012067364 A2	LG CHEMICAL LTD [KR] et al.	BATTERY PACK HAVING SUPERIOR COOLING EFFICIENCY
WO2012067363 A2	LG CHEMICAL LTD [KR] et al.	BATTERY PACK HAVING SUPERIOR COOLING EFFICIENCY
WO2012067360 A2	LG CHEMICAL LTD [KR] et al.	BATTERY MODULE HAVING SUPERIOR STRUCTURAL STABILITY
WO2012067359 A2	LG CHEMICAL LTD [KR] et al.	BATTERY PACK HAVING IMPROVED UNIFORMITY IN THE DISTRIBUTION OF REFRIGERANT
WO2012067250 A1	ASAHI GLASS CO LTD [JP], BEPPU YOSHIHISA [JP]	SILICATE COMPOUND, SECONDARY-BATTERY POSITIVE ELECTRODE, SECONDARY BATTERY, AND MANUFACTURING METHODS THEREFOR
WO2012067249 A1	ASAHI GLASS CO LTD [JP], BEPPU YOSHIHISA [JP]	SILICATE COMPOUND, SECONDARY-BATTERY POSITIVE ELECTRODE, SECONDARY BATTERY, AND MANUFACTURING METHODS THEREFOR
WO2012067102 A1	HITACHI MAXELL ENERGY LTD [JP] et al.	NON-AQUEOUS SECONDARY BATTERY
WO2012067045 A1	SANYO ELECTRIC CO [JP] et al.	BATTERY ASSEMBLY, SEPARATOR FOR BATTERY ASSEMBLY, AND VEHICLE PROVIDED WITH SAME
WO2012066950 A1	SONY CORP [JP], WASHIRO TAKANORI [JP]	BATTERY DEVICE, BATTERY MANAGEMENT SYSTEM, AND BATTERY MANAGEMENT METHOD
WO2012066928 A1	JX NIPPON OIL & ENERGY CORP [JP] et al.	METHOD OF PRODUCING AMORPHOUS CARBON MATERIAL FOR THE NEGATIVE ELECTRODE OF LITHIUM ION SECONDARY BATTERY, AND LITHIUM ION SECONDARY BATTERY
WO2012066879 A1	ADEKA CORP [JP] et al.	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2012066878 A1	ADEKA CORP [JP] et al.	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2012066875 A1	HONDA MOTOR CO LTD [JP] et al.	VEHICLE BATTERY UNIT
WO2012066638 A1	TOYOTA MOTOR CO LTD [JP], SATO SHIGEKI [JP]	POSITIVE ACTIVE MATERIAL, PROCESS FOR PRODUCING SAME, AND LITHIUM SECONDARY BATTERY INCLUDING SAME
WO2012066226 A1	PEUGEOT CITROEN AUTOMOBILES SA [FR], LEFEBVRE LUDOVIC [FR]	DEVICE AND METHOD FOR CONTROLLING THE TEMPERATURE OF A TRACTION BATTERY OF A VEHICLE
WO2012065890 A1	AVL LIST GMBH [AT], YANKOSKI EDWARD [AT]	BATTERY
WO2012065855 A1	AVL LIST GMBH [AT], MICHELITSCH MARTIN [AT]	MOUNTING DEVICE FOR AT LEAST ONE BATTERY MODULE
WO2012065853 A1	AVL LIST GMBH [AT] et al.	FASTENING DEVICE FOR AT LEAST ONE BATTERY MODULE
WO2012064053 A2	PHOENIX MATERIALS CO LTD [KR] et al.	LITHIUM MANGANESE COMPOSITE OXIDE AND METHOD FOR PREPARING SAME
WO2012064028 A2	GLOBAL BATTERY CO LTD [KR] et al.	AUTOMOBILE BATTERY AND METHOD FOR MANUFACTURING POLE PLATES
WO2012064003 A1	IPG PHOTONICS KOREA LTD [KR], HAN YOU HIE [KR]	APPARATUS AND METHOD FOR WELDING SECONDARY BATTERY ELECTRODE

WO2012063874 A1	MURATA MANUFACTURING CO [JP] et al.	ELECTRODE ACTIVE SUBSTANCE FOR ALL-SOLID-STATE BATTERY, AND ALL-SOLID-STATE BATTERY USING SAME
WO2012063832 A1	UBE INDUSTRIES [JP] et al.	CONTAINER FOR NONAQUEOUS ELECTROLYTE SOLUTION, NONAQUEOUS ELECTROLYTE SOLUTION TO PUT IN CONTAINER, AND METHOD FOR STORING NONAQUEOUS ELECTROLYTE SOLUTION
WO2012063827 A1	MURATA MANUFACTURING CO [JP] et al.	SLURRY FOR ALL-SOLID-STATE CELL, GREEN SHEET FOR ALL-SOLID-STATE CELL, ALL-SOLID-STATE CELL, AND METHOD FOR PRODUCING SLURRY FOR ALL-SOLID-STATE CELL
WO2012063745 A1	NAT INST OF ADVANCED IND SCIEN [JP] et al.	NEGATIVE-ELECTRODE MATERIAL FOR ELECTRICITY STORAGE DEVICE, AND NEGATIVE ELECTRODE FOR ELECTRICITY STORAGE DEVICE USING SAME
WO2012063740 A1	MEC CO LTD [JP] et al.	METHOD FOR PRODUCING POSITIVE ELECTRODE COLLECTOR FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERIES AND METHOD FOR PRODUCING POSITIVE ELECTRODE FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERIES
WO2012063733 A1	mitsubishi heavy ind ltd [JP], KURAHASHI TOMOYOSHI [JP]	BATTERY MODULE
WO2012063570 A1	NISSAN MOTOR [JP] et al.	CONTACTLESS POWER FEEDING APPARATUS
WO2012063567 A1	MITSUBISHI HEAVY IND LTD [JP], KURITA AKIO [JP]	BATTERY SYSTEM
WO2012063370 A1	TOYOTA MOTOR CO LTD [JP] et al.	SECONDARY BATTERY
WO2012063286 A1	MITSUBISHI HEAVY IND LTD [JP], NAKAJIMA JUNJI [JP]	SECONDARY BATTERY
WO2012062644 A1	AVL LIST GMBH [AT] et al.	CELL CONNECTOR
WO2012062599 A2	CONTINENTAL AUTOMOTIVE GMBH [DE] et al.	ENERGY STORAGE MODULE, SYSTEM COMPRISING AN ENERGY STORAGE MODULE, AND CONTROL METHOD
WO2012062574 A1	CONTINENTAL AUTOMOTIVE GMBH [DE] et al.	BATTERY CELL, METHOD FOR PRODUCING A BATTERY CELL AND USE OF A BATTERY CELL
WO2012062422 A1	LI TEC BATTERY GMBH [DE], SCHAEFER TIM [DE]	METHOD AND DEVICE FOR FIGHTING OR PREVENTING FIRES IN THE INTERIOR, ON THE SURFACE, OR IN THE SURROUNDINGS OF AN ELECTROCHEMICAL ENERGY STORE
WO2012062397 A1	DAIMLER AG [DE] et al.	BATTERY WITH A CELL ASSEMBLY
WO2012062396 A1	DAIMLER AG [DE] et al.	BATTERY WITH A CELL ASSEMBLY
WO2012061333 A1	LAUGHNER LISA MAE [US]	CHARGING OF ELECTRIC VEHICLES OFF THE ELECTRIC POWER GRID
WO2012060469 A1	YAZAKI CORP [JP] et al.	POWER FEEDING CONNECTOR
WO2012060295 A1	UNIV TOKYO SCI EDUC FOUND [JP] et al.	COMPOSITE METAL OXIDE, PROCESS FOR PRODUCING THE COMPOSITE METAL OXIDE, POSITIVE ACTIVE MATERIAL FOR SODIUM SECONDARY BATTERY, POSITIVE ELECTRODE FOR SODIUM SECONDARY BATTERY, AND SODIUM SECONDARY BATTERY
WO2012060037 A1	TOYOTA JIDOSHOKKI KK [JP] et al.	METHOD FOR PRODUCING SULFUR-BASED POSITIVE POLE ACTIVE SUBSTANCE, SULFUR-BASED POSITIVE POLE ACTIVE SUBSTANCE, AND POSITIVE POLE FOR LITHIUM ION SECONDARY BATTERY
WO2012060031 A1	PANASONIC CORP [JP] et al.	BATTERY MODULE
WO2012060016 A1	MITSUBISHI ELECTRIC CORP [JP] et al.	CHARGING/DISCHARGING DEVICE AND METHOD FOR CONTROLLING CHARGING AND DISCHARGING
WO2012060009 A1	TOYOTA MOTOR CO LTD [JP] et al.	POWER SUPPLY SYSTEM FOR VEHICLE, AND VEHICLE EQUIPPED WITH SAID POWER SUPPLY SYSTEM
WO2012059951 A1	TOYOTA MOTOR CO LTD [JP] et al.	POWER STORAGE DEVICE

WO2012059262 A1	BOSCH GMBH ROBERT [DE] et al.	CATHODE MATERIAL FOR A LITHIUM SULFUR BATTERY
WO2012059197 A2	AUDI NSU AUTO UNION AG [DE], LEHNERT STEVE [DE]	MOTOR VEHICLE COMPRISING A LOW-VOLTAGE GRID FED BY A FIRST BATTERY
WO2012058517 A2	NOVARIALS CORP [US] et al.	CERAMIC NANOWIRE MEMBRANES AND METHODS OF MAKING THE SAME
WO2012057787 A1	EMPIRE TECHNOLOGY DEV LLC [US], FUSE KENICHI [JP]	ENERGY STORAGE APPARATUS
WO2012057426 A1	LG CHEMICAL LTD [KR] et al.	CABLE-TYPE SECONDARY BATTERY
WO2012057351 A1	SANYO ELECTRIC CO [JP] et al.	ALKALINE STORAGE BATTERY
WO2012057341 A1	ASAHI GLASS CO LTD [JP], BEPPU YOSHIHISA [JP]	SILICATE COMPOUND, SECONDARY-BATTERY POSITIVE ELECTRODE, SECONDARY BATTERY, AND MANUFACTURING METHODS THEREFOR
WO2012057340 A1	ASAHI GLASS CO LTD [JP], BEPPU YOSHIHISA [JP]	SILICATE-PHOSPHATE COMPOUND, SECONDARY-BATTERY POSITIVE ELECTRODE, SECONDARY BATTERY, AND MANUFACTURING METHODS THEREFOR
WO2012057335 A1	SANYO ELECTRIC CO [JP] et al.	RECTANGULAR SECONDARY BATTERY
WO2012057311 A1	ASAHI KASEI E MATERIALS CORP [JP] et al.	NONAQUEOUS ELECTROLYTE AND NONAQUEOUS SECONDARY BATTERY
WO2012057169 A1	SANYO ELECTRIC CO [JP], ASAI YASUHIRO [JP]	POWER-SUPPLY DEVICE, VEHICLE USING SAME, BATTERY CELL, AND BATTERY-CELL MANUFACTURING METHOD
WO2012056834 A1	SANYO ELECTRIC CO [JP] et al.	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2012056532 A1	TOYOTA MOTOR CO LTD [JP] et al.	METHOD FOR PRODUCING LITHIUM ION SECONDARY BATTERY
WO2012056492 A1	TOYOTA MOTOR CO LTD [JP], WATANABE MASAYUKI [JP]	VEHICLE
WO2012055559 A2	LI TEC BATTERY GMBH [DE], HOHENTHANNER CLAUS-RUPERT [DE]	ELECTROCHEMICAL CELL AND METHOD FOR PRODUCING SAME
WO2012055367 A1	VALEO AUTOMOTIVE AIR CONDITIONING HUBEI CO LTD [CN] et al.	HEATING, VENTILATING AND AIR CONDITIONING SYSTEM FOR ELECTRIC VEHICLE OR HYBRID ELECTRIC VEHICLE
WO2012054552 A1	ALTE [US]	BATTERY MANAGEMENT SYSTEM UTILIZING STACKABLE BATTERIES
WO2012054312 A1	MICROVAST INC [US], WU YANG [US]	CONTINUOUS PRISMATIC CELL STACKING SYSTEM AND METHOD
WO2012053829 A2	LG CHEMICAL LTD [KR] et al.	BATTERY PACK HAVING EXCELLENT COOLING EFFICIENCY
WO2012053688 A1	LG CHEMICAL LTD [KR] et al.	CAP ASSEMBLY AND SECONDARY BATTERY USING SAME
WO2012053557 A1	SANYO ELECTRIC CO [JP] et al.	NON-AQUEOUS ELECTROLYTE SECONDARY CELL
WO2012053556 A1	SANYO ELECTRIC CO [JP] et al.	NON-AQUEOUS ELECTROLYTE SECONDARY CELL
WO2012053359 A1	SINTOKOGIO LTD [JP] et al.	METHOD AND DEVICE FOR MANUFACTURING LAYERED STRUCTURE CONSTITUTING ALL-SOLID BATTERY, AND ALL-SOLID BATTERY PROVIDED WITH LAYERED STRUCTURE
WO2012053337 A1	NIFCO INC [JP], NISHIDA RYUHEI [JP]	ELECTRODE STRUCTURE FOR BATTERY MODULE

WO2012053056 A1	TOYOTA MOTOR CO LTD [JP] et al.	METHOD FOR PRODUCING BATTERIES
WO2012052417 A1	COMMISSARIAT ENERGIE ATOMIQUE [FR] et al.	BATTERY FOR AN ELECTRIC MOTOR OF A MOTOR VEHICLE
WO2012052366 A1	RENAULT SA [FR] et al.	DEVICE AND METHOD FOR ESTIMATING A TOUCH CURRENT AND PROTECTING AN ELECTRICAL APPARATUS AGAINST SUCH TOUCH CURRENTS
WO2012052184 A1	PHOENIX CONTACT GMBH & CO [DE] et al.	PLUG PART OF A PLUG-TYPE APPARATUS
WO2012052176 A2	LI TEC BATTERY GMBH [DE], SCHAEFER TIM [DE]	BATTERY MANAGEMENT SYSTEM FOR A POWER SUPPLY SYSTEM WITH A LOW-VOLTAGE REGION AND A HIGH-VOLTAGE REGION
WO2012052131 A2	MAGNA E CAR SYSTEMS GMBH & CO OG [AT], DORNER FRIEDRICH [AT]	RECHARGEABLE BATTERY HAVING A BENDING SUPPORT AND PRODUCTION METHOD THEREFOR
WO2012051482 A2	UT BATTELLE LLC [US] et al.	COMPOSITE NANOWIRE COMPOSITIONS AND METHODS OF SYNTHESIS
WO2012050173 A1	KOBE STEEL LTD [JP], SAKAE AKIRA	ELECTRICALLY CONDUCTIVE CONNECTING MEMBER, PROCESS FOR MANUFACTURING ELECTRICALLY CONDUCTIVE CONNECTING MEMBER, AND BATTERY EQUIPPED WITH ELECTRICALLY CONDUCTIVE CONNECTING MEMBER AS ELECTRODE
WO2012050038 A1	NISSAN MOTOR [JP] et al.	BATTERY PACK
WO2012049852 A1	TOYOTA MOTOR CO LTD [JP], KURIMOTO YASUhide [JP]	DIAGNOSTIC DEVICE FOR ELECTRICAL STORAGE DEVICES, DIAGNOSIS METHOD, AND ELECTRICAL STORAGE DEVICE
WO2012049808 A1	YAZAKI CORP [JP] et al.	VOLTAGE DETECTION DEVICE
WO2012049778 A1	TOYOTA MOTOR CO LTD [JP] et al.	SECONDARY BATTERY
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WO2012048929 A1	BOSCH GMBH ROBERT [DE] et al.	METHOD AND ARRANGEMENT FOR MONITORING AT LEAST ONE BATTERY, BATTERY HAVING SUCH AN ARRANGEMENT, AND MOTOR VEHICLE HAVING A CORRESPONDING BATTERY
WO2012048194 A2	BATTELLE MEMORIAL INSTITUTE [US] et al.	LITHIUM ION BATTERIES WITH TITANIA/GRAPHENE ANODES
WO2012047710 A2	ENERDEL INC [US] et al.	SYSTEM AND METHOD FOR DETERMINING PHYSICAL STATUS OF SWITCH ELEMENTS
WO2012047118 A1	PHAN TAING FOUNG [NZ]	BATTERY AUGMENTATION SYSTEM AND METHOD
WO2012046966 A2	LG CHEMICAL LTD [KR] et al.	ELECTROCHEMICAL DEVICE WITH IMPROVED CYCLE CHARACTERISTICS
WO2012046802 A1	JX NIPPON OIL & ENERGY CORP [JP] et al.	GRAPHITE MATERIAL WITH LATTICE DISTORTION FOR USE IN LITHIUM-ION SECONDARY BATTERY NEGATIVE ELECTRODES, AND LITHIUM-ION SECONDARY BATTERY
WO2012046791 A1	SEMICONDUCTOR ENERGY LAB [JP] et al.	METHOD FOR MANUFACTURING POSITIVE ELECTRODE ACTIVE MATERIAL FOR ENERGY STORAGE DEVICE AND ENERGY STORAGE DEVICE
WO2012046600 A1	KUREHA CORP [JP] et al.	CONDUCTIVE CROSS-LINKED FILM, METHOD FOR MANUFACTURING SAID FILM, AND APPLICATION FOR SAID FILM
WO2012046513 A1	SHIN KOBE ELECTRIC MACHINERY [JP] et al.	LITHIUM-ION RECHARGEABLE BATTERY
WO2012046325 A1	GUALA TECHNOLOGY CORP [JP]	SECONDARY CELL

WO2012046305 A1	TOYOTA MOTOR CO LTD [JP], KOBAYASHI KIWAMU [JP]	METHOD OF PRODUCING BATTERY
WO2012045978 A2	RENAULT SA [FR] et al.	BATTERY COMPARTMENT FOR A VEHICLE
WO2012045955 A1	PEUGEOT CITROEN AUTOMOBILES SA [FR], PORCELLATO DENIS [FR]	EQUIPMENT FOR COOLING BATTERIES FOR AN ELECTRIC OR HYBRID VEHICLE
WO2012045175 A1	DANA CANADA CORP [CA] et al.	CONFORMAL FLUID-COOLED HEAT EXCHANGER FOR BATTERY
WO2012045174 A1	DANA CANADA CORP [CA], PALANCHON HERVE [DE]	CONFORMAL FLUID-COOLED HEAT EXCHANGER FOR BATTERY
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WO2012043763 A1	ASAHI GLASS CO LTD [JP] et al.	ELECTRODE MIXTURE FOR ELECTRICITY-STORAGE DEVICE, METHOD FOR MANUFACTURING SAID ELECTRODE MIXTURE, AND ELECTRICITY-STORAGE-DEVICE ELECTRODE AND LITHIUM-ION SECONDARY BATTERY USING SAID ELECTRODE MIXTURE
WO2012043718 A1	mitsubishi PLASTICS INC [JP], NEMOTO TOMOYUKI [JP]	LAMINATED POROUS FILM, SEPARATOR FOR BATTERY, AND BATTERY
WO2012043594 A1	SANYO ELECTRIC CO [JP] et al.	ASSEMBLED BATTERY AND VEHICLE PROVIDED WITH SAME
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WO2012043367 A1	NIPPON CHEMICAL IND [JP] et al.	PROCESS FOR PRODUCTION OF (VANADIUM PHOSPHATE)-LITHIUM-CARBON COMPLEX
WO2012043321 A1	DOWA HOLDINGS CO LTD [JP], NAGATOMI AKIRA [JP]	LITHIUM-TRANSITION METAL OXIDE POWDER, METHOD FOR PRODUCING SAME, POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM ION BATTERY, AND LITHIUM ION SECONDARY BATTERY
WO2012041724 A1	VALEO SYSTEMES THERMIQUES [FR] et al.	THERMAL STORE, HEATING MODULE USING SUCH A THERMAL STORE AND HEATING DEVICE USING SUCH A THERMAL STORE AND/OR SUCH A MODULE
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WO2012040104 A2	ENERDEL INC [US] et al.	LITHIUM TITANATE CELL WITH REDUCED GASSING
WO2012039893 A2	ENVIA SYSTEMS INC [US] et al.	METAL HALIDE COATINGS ON LITHIUM ION BATTERY POSITIVE ELECTRODE MATERIALS AND CORRESPONDING BATTERIES
WO2012039564 A2	LG CHEMICAL LTD [KR] et al.	HIGH-CAPACITY POSITIVE ELECTRODE ACTIVE MATERIAL WITH IMPROVED CONDUCTIVITY AND NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY COMPRISING SAME
WO2012039563 A2	LG CHEMICAL LTD [KR] et al.	POSITIVE ELECTRODE ACTIVE MATERIAL COMPRISING LITHIUM MANGANESE OXIDE AND NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2012039497 A1	SHIN KOBE ELECTRIC MACHINERY [JP] et al.	ENERGY STORAGE DEVICE AND ENERGY STORAGE DEVICE PRODUCTION METHOD
WO2012039477 A1	HITACHI CHEMICAL CO LTD [JP] et al.	LITHIUM ION BATTERY, AND BATTERY MODULE UTILIZING SAME
WO2012039413 A1	GS YUASA INT LTD [JP] et al.	ACTIVE SUBSTANCE FOR LITHIUM SECONDARY BATTERIES, ELECTRODE FOR LITHIUM SECONDARY BATTERIES, AND LITHIUM SECONDARY BATTERY
WO2012039366 A1	JSR CORP [JP] et al.	BINDER COMPOSITION FOR ELECTRODE
WO2012039091 A1	PANASONIC CORP [JP] et al.	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND METHOD FOR PRODUCING SAME
WO2012039041 A1	TOYOTA MOTOR CO LTD [JP] et al.	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2012038359 A2	SIEMENS AG [DE], HUBER NORBERT [DE]	VEHICLE HAVING AN ELECTRICAL ENERGY STORE AND DEVICE AND METHOD FOR COOLING SAME
WO2012038162 A1	SB LIMOTIVE CO LTD [KR] et al.	BATTERY COMPRISING AN INTEGRATED DC/AC CONVERTER
WO2012036474 A2	LG CHEMICAL LTD [KR] et al.	POSITIVE ELECTRODE ACTIVE MATERIAL AND LITHIUM SECONDARY BATTERY USING SAME
WO2012036317 A1	YAZAKI CORP [JP] et al.	BATTERY CONNECTOR
WO2012036190 A1	LITHIUM ENERGY JAPAN [JP] et al.	BATTERY PACK, AND ELECTRIC VEHICLE EQUIPPED WITH BATTERY PACK
WO2012036153 A1	NEC CORP [JP], KAJITANI HIROSHI [JP]	SECONDARY CELL
WO2012036072 A1	NIFCO INC [JP], NISHIDA RYUHEI [JP]	COUPLING STRUCTURE
WO2012035916 A1	JX NIPPON OIL & ENERGY CORP [JP] et al.	RAW MATERIAL CHARCOAL COMPOSITION FOR NEGATIVE ELECTRODE MATERIAL OF LITHIUM ION SECONDARY BATTERY
WO2012035683 A1	PANASONIC CORP [JP] et al.	BATTERY BLOCK AND BATTERY MODULE
WO2012035648 A1	HITACHI LTD [JP] et al.	ACTIVE MATERIAL FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO2012035631 A1	TOYOTA MOTOR CO LTD [JP], HIROSE YUTAKA [JP]	SOLID-STATE BATTERY AND REGENERATION METHOD THEREFOR
WO2012035237 A2	PEUGEOT CITROEN AUTOMOBILES SA [FR], GAUTHIER PIERRE [FR]	TRACTION CHAIN FOR A HYBRID VEHICLE
WO2012034216 A1	ADDENERGIE TECHNOLOGIES INC [CA] et al.	ELECTRIC VEHICLE CHARGING STATION AND METHOD FOR CHARGING AN ELECTRIC VEHICLE
WO2012033035 A1	NTT FACILITIES INC [JP] et al.	NONAQUEOUS ELECTROLYTE BATTERY
WO2012032709 A1	TOYOTA JIDOSHOKKI KK [JP] et al.	METHOD FOR PRODUCING COMPLEX OXIDE, CATHODE ACTIVE MATERIAL FOR SECONDARY BATTERY AND SECONDARY BATTERY

WO2012029387 A1	NEC CORP [JP] et al.	SECONDARY BATTERY
WO2012062712 A1	VALEO SYSTEMES THERMIQUES [FR] et al.	HEAT EXCHANGER FOR A DEVICE FOR STORING ELECTRICAL ENERGY
WO2012057323 A1	SANYO ELECTRIC CO [JP] et al.	BATTERY AND VEHICLE PROVIDED WITH SAME
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WO2012063640 A1	KAWASAKI HEAVY IND LTD [JP] et al.	ELECTRIC DOUBLE-LAYER CAPACITOR
WO2012053395 A1	DAIKIN IND LTD [JP] et al.	NON-AQUEOUS ELECTROLYTE SOLUTION
WO2012035929 A1	HITACHI CONSTRUCTION MACHINERY [JP] et al.	HYBRID WHEEL LOADER
WO2012035868 A1	CALSONIC KANSEI CORP [JP] et al.	DEVICE FOR PARAMETER ESTIMATION BY MEANS OF A FILTER

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SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

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WO2012077416 A1	HINO MOTORS LTD [JP], KOKON JUNYA [JP]	REGENERATIVE CONTROL DEVICE, HYBRID VEHICLE, REGENERATIVE CONTROL METHOD, AND PROGRAM
WO2012074713 A1	VECTRIX INTERNAT LTD [CN], HUGHES PETER S [US]	REGENERATIVE BRAKING SYSTEM FOR AN ELECTRIC VEHICLE AND METHOD OF USE
WO2012072464 A1	VALEO SCHALTER & SENSOREN GMBH [DE], SCHULER THOMAS [DE]	METHOD FOR OPERATING A VEHICLE AND DRIVER ASSISTANCE DEVICE
WO2012067836 A1	BOSCH GMBH ROBERT [DE] et al.	ENERGY MANAGEMENT FOR HYBRID ELECTRIC VEHICLE DURING TRAILER SWAY
WO2012063572 A1	NISSAN MOTOR [JP], IMAMURA MASAYUKI	ELECTRIC VEHICLE BRAKE CONTROL DEVICE
WO2012063564 A1	NISSAN MOTOR [JP] et al.	CONTROL APPARATUS FOR PREVENTING ROLLING BACK OF ELECTRICALLY DRIVEN VEHICLE UPON START-UP THEREOF
WO2012059261 A1	BOSCH GMBH ROBERT [DE] et al.	HYDRAULIC VEHICLE BRAKE SYSTEM
WO2012056870 A1	NISSAN MOTOR [JP] et al.	CONTROL DEVICE FOR HYBRID VEHICLE
WO2012056489 A1	TOYOTA MOTOR CO LTD [JP], NAKAMURA EIJI [JP]	BRAKE CONTROL DEVICE
WO2012055617 A1	BOSCH GMBH ROBERT [DE] et al.	BRAKING SYSTEM FOR A VEHICLE AND METHOD FOR OPERATING A BRAKING SYSTEM FOR A VEHICLE
WO2012053609 A1	NISSAN MOTOR [JP], HIRATA TAKESHI	REGENERATIVE BRAKING CONTROL DEVICE OF VEHICLE
WO2012053607 A1	HINO MOTORS LTD [JP], SAWAYAMA AKIRA [JP]	VEHICLE, CONTROL METHOD, AND PROGRAM
WO2012053592 A1	HINO MOTORS LTD [JP] et al.	REGENERATION CONTROL DEVICE, HYBRID AUTOMOBILE, REGENERATION CONTROL METHOD, AND PROGRAM
WO2012052682 A1	RENAULT SA [FR] et al.	BRAKING METHOD AND SYSTEM FOR A HYBRID OR ELECTRICALLY POWERED MOTOR VEHICLE
WO2012045598 A1	BOSCH GMBH ROBERT [DE], SCHMIDT MATTHIAS [DE]	METHOD AND DEVICE FOR OPERATING A GENERATOR IN A RECUPERATING SYSTEM OF A MOTOR VEHICLE
WO2012045409 A1	AUDI NSU AUTO UNION AG [DE], REMLINGER WOLFRAM [DE]	METHOD FOR RECUPERATING KINETIC ENERGY OF A MOTOR VEHICLE IN AN OPTIMUM WAY IN TERMS OF ENERGY
WO2012043094 A1	HITACHI LTD [JP] et al.	BRAKE CONTROL APPARATUS FOR VEHICLE, AND BRAKE CONTROL APPARATUS FOR MULTI-CAR TRAIN
WO2012041731 A1	CONTINENTAL TEVES AG & CO OHG [DE] et al.	METHOD FOR CONTROLLING A MOTOR VEHICLE BRAKE SYSTEM
WO2012035817 A1	SHIMIZU SHIGEHARU [JP] et al.	REGENERATIVE DEVICE FOR MOTOR-DRIVEN TRAVELING BODY, AND MOTOR-DRIVEN TRAVELING BODY USING SAME
WO2012047754 A1	MORRISON CONSULTING GROUP INC W [US] et al.	FRONT WHEEL ENERGY RECOVERY SYSTEM

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WO2012077382 A1	AISIN AI CO LTD [JP] et al.	VEHICLE POWER TRANSMISSION CONTROL DEVICE
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WO2012076213 A2	BOSCH GMBH ROBERT [DE] et al.	METHOD AND DEVICE FOR OPERATING AN ELECTRIC MACHINE OF A MOTOR VEHICLE DRIVE TRAIN
WO2012073651 A1	HONDA MOTOR CO LTD [JP] et al.	HYBRID DRIVE APPARATUS
WO2012073388 A1	THREE EYE CO LTD [JP], TANAKA SHOUICHI [JP]	TRANSVERSE FLUX MACHINE
WO2012073387 A1	THREE EYE CO LTD [JP], TANAKA SHOUICHI [JP]	ELECTRIC MACHINE
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WO2012070511 A1	FUTAMI YASUKO [JP]	ELECTRIC VEHICLE WITH DRIVE-TYPE GENERATORS ATTACHED TO FOUR WHEELS
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WO2012066069 A2	AVL LIST GMBH [AT] et al.	ELECTRIC MACHINE
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WO2012060015 A1	mitsubishi electric corp [JP], HATANAKA KEITA [JP]	TRAIN CAR SYSTEM CONTROL DEVICE
WO2012059998 A1	TOYOTA MOTOR CO LTD [JP] et al.	HYBRID DRIVING APPARATUS FOR VEHICLE
WO2012059258 A1	BOSCH GMBH ROBERT [DE] et al.	EFFICIENCY-OPTIMISED SYNCHRONOUS MACHINE
WO2012058387 A1	AMP ELECTRIC VEHICLES INC [US] et al.	DRIVE MODULE AND MANIFOLD FOR ELECTRIC MOTOR DRIVE ASSEMBLY
WO2012057131 A1	NISSAN MOTOR [JP] et al.	CONTROL DEVICE AND CONTROL METHOD FOR HYBRID VEHICLE
WO2012057130 A1	NISSAN MOTOR [JP] et al.	CONTROL DEVICE AND CONTROL METHOD FOR VEHICLE
WO2012057118 A1	NISSAN MOTOR [JP] et al.	DRIVE TORQUE CONTROL DEVICE FOR HYBRID VEHICLE
WO2012057085 A1	NISSAN MOTOR [JP] et al.	HYBRID VEHICLE CONTROL DEVICE
WO2012057069 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al.	ROTATING ELECTRIC MACHINE
WO2012057040 A1	NISSAN MOTOR [JP] et al.	ELECTRIC VEHICLE CONTROL APPARATUS
WO2012056881 A1	NISSAN MOTOR [JP], TOKI YOSHIMASA	HYBRID VEHICLE CONTROL DEVICE
WO2012056862 A1	NISSAN MOTOR [JP] et al.	CONTROL DEVICE AND CONTROL METHOD FOR HYBRID VEHICLE
WO2012056857 A1	NISSAN MOTOR [JP] et al.	ENGINE START CONTROL DEVICE FOR HYBRID ELECTRIC VEHICLE
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WO2012054617 A1	NELSON LARRY [US]	APPARATUS AND METHOD FOR CHARGING AND DISCHARGING A DUAL BATTERY SYSTEM
WO2012053633 A1	NISSAN MOTOR [JP] et al.	CONTROL DEVICE OF HYBRID VEHICLE

WO2012053615 A1	HINO MOTORS LTD [JP], UENO HIROTAKA [JP]	DRIVING MODE CONTROL DEVICE, HYBRID VEHICLE, DRIVING MODE CONTROL METHOD, AND PROGRAM
WO2012053611 A1	HINO MOTORS LTD [JP], ARAKI TOMOHIKO [JP]	OUTPUT RESTRICTION CONTROL DEVICE, HYBRID AUTOMOBILE, OUTPUT RESTRICTION CONTROL METHOD, AND PROGRAM
WO2012053608 A1	HINO MOTORS LTD [JP], YAMAGATA KEITA [JP]	VEHICLE, CONTROL METHOD, AND PROGRAM
WO2012053604 A1	HINO MOTORS LTD [JP], ARAKI TOMOHIKO [JP]	TRANSMISSION CONTROL DEVICE, HYBRID AUTOMOBILE, TRANSMISSION CONTROL METHOD, AND PROGRAM
WO2012053603 A1	HINO MOTORS LTD [JP], UENO HIROTAKA [JP]	REGENERATION CONTROL DEVICE, HYBRID VEHICLE, REGENERATION CONTROL METHOD, AND PROGRAM
WO2012053596 A1	HINO MOTORS LTD [JP], SUZUKI MASAHIRO [JP]	VEHICLE, CONTROL METHOD, AND PROGRAM
WO2012053594 A1	HINO MOTORS LTD [JP], SUZUKI MASAHIRO [JP]	VEHICLE, CONTROL METHOD, AND PROGRAM
WO2012053591 A1	HINO MOTORS LTD [JP], KABE SATOSHI [JP]	RUNNING MODE SWITCH CONTROL DEVICE, HYBRID AUTOMOBILE, RUNNING MODE SWITCH CONTROL METHOD, AND PROGRAM
WO2012053590 A1	HINO MOTORS LTD [JP], ARAKI TOMOHIKO [JP]	VEHICLE, CONTROL METHOD, AND PROGRAM
WO2012053577 A1	NISSAN MOTOR [JP] et al.	VEHICLE DRIVE FORCE CONTROL DEVICE
WO2012053576 A1	NISSAN MOTOR [JP] et al.	HYBRID VEHICLE CONTROL DEVICE
WO2012053551 A1	mitsubishi heavy ind ltd [JP] et al.	MOTOR DESIGN METHOD, MOTOR DESIGNED BY MOTOR DESIGN METHOD, AND ELECTRIC VEHICLE PROVIDED WITH MOTOR
WO2012053508 A1	NISSAN MOTOR [JP] et al.	HYBRID VEHICLE CONTROL DEVICE
WO2012053361 A1	HONDA MOTOR CO LTD [JP] et al.	DRIVE DEVICE FOR HYBRID VEHICLE
WO2012053340 A1	NISSAN MOTOR [JP] et al.	HYBRID VEHICLE ENGINE START CONTROL DEVICE
WO2012050741 A2	REMY TECHNOLOGIES LLC [US], BRADFIELD MICHAEL D [US]	ELECTRIC MACHINE COOLING SYSTEM AND METHOD
WO2012049759 A1	TOYOTA MOTOR CO LTD [JP] et al.	MOTOR
WO2012048764 A1	AUDI NSU AUTO UNION AG [DE], SCHEIDL JUERGEN [DE]	VEHICLE HAVING A HYBRID DRIVE
WO2012047481 A2	REMY TECHNOLOGIES LLC [US], BRADFIELD MICHAEL D [US]	COOLANT DRAINAGE SYSTEM AND METHOD FOR ELECTRIC MACHINES
WO2012046677 A1	HITACHI CONSTRUCTION MACHINERY [JP] et al.	HYBRID CONSTRUCTION MACHINE
WO2012046307 A1	HONDA MOTOR CO LTD [JP] et al.	APPARATUS FOR DRIVING ELECTRIC VEHICLE
WO2012046083 A2	OXFORD YASA MOTORS LTD [GB], WOOLMER TIM [GB]	WHEEL-HUB MOTOR COOLING
WO2012045522 A1	BOSCH GMBH ROBERT [DE], KAEFER OLIVER [DE]	HYBRID DRIVE UNIT
WO2012043692 A1	HITACHI METALS LTD [JP], KUNIYOSHI FUTOSHI [JP]	R-T-B SINTERED MAGNET MANUFACTURING METHOD
WO2012043555 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2012043538 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2012043507 A1	AISIN AW CO [JP] et al.	CONTROL DEVICE
WO2012043296 A1	AISIN AW CO [JP] et al.	SPEED CHANGE GEAR AND SPEED CHANGE CONTROLLER
WO2012043132 A1	HITACHI AUTOMOTIVE SYSTEMS LTD [JP], SHIBATA TAKEO [JP]	VEHICLE DRIVE CONTROL DEVICE
WO2012043107 A1	HITACHI LTD [JP] et al.	ROTATING ELECTRIC MACHINE, MANUFACTURING METHOD OF STATOR CORE OF ROTATING ELECTRICAL MACHINE
WO2012043061 A1	HITACHI METALS LTD [JP], OBATA TOHRU [JP]	METHOD FOR PRODUCING R-T-B SINTERED MAGNET
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WO2012042135 A1	VALEO EQUIP ELECTR MOTEUR [FR] et al.	SYNCHRONOUS ROTATING ELECTRICAL MACHINE WITH A DOUBLY EXCITED ROTOR
WO2012041584 A1	BOSCH GMBH ROBERT [DE] et al.	HOUSING ELEMENT FOR RECEIVING POWER ELECTRONICS OF AN ELECTRIC MACHINE, HOUSING FOR AN ELECTRIC MACHINE, TOOL FOR PRODUCING A HOUSING ELEMENT AND METHOD FOR PRODUCING A HOUSING FOR AN ELECTRIC MACHINE
WO2012041472 A1	VALEO THERMAL SYS JAPAN CO [JP], BELLET AUGUSTIN [FR]	ELECTRICAL CONNECTOR FOR AN ELECTRIC COMPRESSOR
WO2012040022 A2	MAGNA E CAR SYSTEMS OF AMERICA INC [US] et al.	THERMAL MANAGEMENT SYSTEM FOR BATTERY ELECTRIC VEHICLE
WO2012039378 A1	AISIN AW CO [JP] et al.	DRIVE DEVICE FOR VEHICLE
WO2012039370 A1	AISIN AW CO [JP] et al.	VEHICLE DRIVE DEVICE
WO2012039254 A1	AUTONETWORKS TECHNOLOGIES LTD [JP] et al.	CONNECTOR
WO2012039215 A1	SUZUKI MOTOR CORP [JP], IINO HAYATO [JP]	OUTPUT CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE
WO2012039167 A1	SUZUKI MOTOR CORP [JP], IZAWA KAZUYUKI [JP]	POWER GENERATION CONTROL DEVICE FOR ELECTRIC VEHICLE
WO2012035887 A1	NISSAN MOTOR [JP], KANEKO YUTARO	VEHICLE MOTOR

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WO2012066682 A1	mitsubishi electric corp [JP] et al.	AUXILIARY POWER DEVICE FOR A VEHICLE
WO2012063385 A1	THREE EYE CO LTD [JP], TANAKA SHOUICHI [JP]	MOTOR-DRIVING APPARATUS CAPABLE OF CHARGING VEHICLE BATTERY
WO2012064770 A1	FLEXTRONICS AP LLC [US] et al.	VIRTUAL PARAMETRIC HIGH SIDE MOSFET DRIVER
WO2012059831 A1	BRUSA ELEKTRONIK AG [CH] et al.	CONVERTER-ENGINE CONNECTING MODULE
WO2012055618 A2	SB LIMOTIVE CO LTD [KR] et al.	POWER SUPPLY DEVICE, METHOD FOR DISCONNECTING A BATTERY FROM A CONNECTION DEVICE AND MOTOR VEHICLE
WO2012053084 A1	TOYOTA MOTOR CO LTD [JP], ANG WANLENG [JP]	ELECTRIC VEHICLE POWER SUPPLY SYSTEM, CONTROL METHOD THEREOF, AND ELECTRIC VEHICLE
WO2012053067 A1	TOYOTA MOTOR CO LTD [JP], YAMADA KENJI [JP]	VEHICLE CONTROL DEVICE AND CONTROL METHOD
WO2012051704 A1	ELECTRONIC MOTION SYSTEMS HOLDINGS LTD [GB] et al.	A POWER MODULE FOR CONVERTING DC TO AC
WO2012050050 A1	mitsubishi heavy ind ltd [JP] et al.	INVERTER MODULE AND INVERTER INTEGRATED MOTOR-DRIVEN COMPRESSOR
WO2012049818 A1	DIAMOND ELECTRIC MFG [JP] et al.	AC/DC CONVERTER
WO2012046153 A1	BRUSA ELEKTRONIK AG [CH], KRAUSE AXEL [CH]	POWER ELECTRONIC VEHICLE COMPONENT
WO2012046152 A1	BRUSA ELEKTRONIK AG [CH], KRAUSE AXEL [CH]	POWER ELECTRONIC VEHICLE COMPONENT
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WO2012042898 A1	PANASONIC CORP [JP], ISHII TOSHIKI	OVERPOWER PROTECTION CIRCUIT AND POWER SUPPLY APPARATUS
WO2012042324 A1	NISSAN MOTOR [JP], KAWAMURA HIROMICHI [JP]	TEMPERATURE PROTECTION DEVICE
WO2012038210 A2	BOSCH GMBH ROBERT [DE], TIEFENBACH ANDY [DE]	ENERGY SUPPLY SYSTEM AND METHOD FOR CHARGING AT LEAST ONE ENERGY STORAGE CELL ACTING AS ENERGY STORE FOR A DC-VOLTAGE INTERMEDIATE CIRCUIT IN AN ENERGY SUPPLY SYSTEM
WO2012038150 A2	SB LIMOTIVE CO LTD [KR] et al.	METHOD FOR ADJUSTING A DC INTERMEDIATE CIRCUIT VOLTAGE
WO2012035385 A2	NISSAN MOTOR [JP], KAWAMURA HIROMICHI [JP]	INVERTER APPARATUS AND INVERTER CONTROL METHOD

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WO2012078727 A2	ALLISON TRANSMISSION INC [US] et al.	ENERGY STORAGE SYSTEM FOR HYBRID ELECTRIC VEHICLE
WO2012078721 A2	ALLISON TRANSMISSION INC [US] et al.	ENERGY STORAGE SYSTEM FOR HYBRID ELECTRIC VEHICLE
WO2012076730 A1	GEN ELECTRIC [US] et al.	CHARGING DEVICE AND METHOD FOR CONTROLLING A CHARGING DEVICE
WO2012076126 A1	VOLKSWAGEN AG [DE] et al.	BALANCING VOLTAGE FOR A MULTI-CELL BATTERY SYSTEM
WO2012074406 A2	EPYON B V [NL], BOUMAN CRIJN [NL]	METHOD, SYSTEM AND DEVICE FOR CHARGING AN ELECTRIC VEHICLE
WO2012072970 A2	ECOTRICITY GROUP LTD [GB], ROUTER JAMES [GB]	ELECTRICAL-CABLE STORAGE APPARATUS, AND A VEHICLE COMPRISING SUCH APPARATUS
WO2012072913 A1	PEUGEOT CITROEN AUTOMOBILES SA [FR] et al.	ELECTRICAL CONNECTOR SOCKET, AND ASSOCIATED CONNECTOR
WO2012072378 A1	ZAHNRADFABRIK FRIEDRICHSHAFEN [DE] et al.	METHOD FOR CHARGING A TRACTION BATTERY
WO2012072308 A2	BOSCH GMBH ROBERT [DE] et al.	CHARGING APPARATUS FOR MOTOR VEHICLES, AND CHARGING METHOD
WO2012072227 A2	VOLKSWAGEN AG [DE] et al.	CHARGING INTERFACE FOR AN ELECTRIC VEHICLE
WO2012071645 A1	BRYSON THOMAS PATRICK [CA]	INTEGRATED HYBRID GENERATOR
WO2012070432 A1	HONDA MOTOR CO LTD [JP] et al.	CHARGE CONTROL DEVICE FOR ELECTRIC VEHICLE
WO2012069153 A2	AUDI NSU AUTO UNION AG [DE] et al.	MOTOR VEHICLE
WO2012069033 A2	KIEKERT AG [DE] et al.	CHARGING DEVICE COMPRISING A SPINDLE DRIVE FOR AN ELECTRIC VEHICLE
WO2012068757 A1	LIU HUI [CN], GUO CHUNLIN [CN]	POWER SUPPLY SYSTEM AND POWER SUPPLY METHOD FOR VEHICLE, POWER SOURCE, INSTALLATION APPARATUS AND POWER SOURCE TRANSITION APPARATUS
WO2012068409 A2	TURUDIC ANDY [US]	ULTRA HIGH EFFICIENCY TRANSMISSION WITH GRID-TIED ENERGY STORAGE CAPABILITY FOR A WIND TURBINE OR A FUEL CELL OR A BATTERY POWERED ELECTRIC VEHICLE
WO2012066934 A1	MITSUBISHI MOTORS CORP [JP], SAITO JUN [JP]	CHARGING CONTROL DEVICE FOR ELECTRIC VEHICLE
WO2012066675 A1	TOYOTA MOTOR CO LTD [JP] et al.	VEHICLE CHARGING DEVICE
WO2012066438 A2	BRUSA ELEKTRONIK AG [CH], MATT PHILLIPP [AT]	ENERGY SUPPLY UNIT FOR AN ELECTRIC MOTOR VEHICLE AS WELL AS ELECTRIC MOTOR VEHICLE
WO2012065897 A2	SIEMENS AG [DE] et al.	DEVICE AND METHOD FOR PROTECTING A CHARGING CABLE SERVING TO CHARGE ELECTRIC VEHICLES
WO2012065779 A1	SB LIMOTIVE GERMANY GMBH [DE] et al.	AUTONOMOUS BATTERY BALANCING
WO2012065441 A1	SMART RADIANT LTD [GB], CAI YING [CN]	DC CHARGING SYSTEM FOR OPTIMISING GRID
WO2012063606 A1	NISSAN MOTOR [JP] et al.	DIAGNOSIS APPARATUS FOR VEHICLE BATTERY
WO2012062511 A2	BOSCH GMBH ROBERT [DE] et al.	METHOD FOR OPERATING A LOCAL ENERGY NETWORK
WO2012061794 A1	FLOMENHOFT GARY [US]	AN IMPROVED APPARATUS AND METHOD FOR INDUCTIVE POWER TRANSFER ON AN ELECTRIFIED ROADWAY USING A ROTATING SECONDARY INDUCTOR
WO2012061522 A2	GLOBAL SOLAR WATER AND POWER SYSTEMS INC [US] et al.	GRID TIE SYSTEM AND METHOD
WO2012060597 A2	SK INNOVATION CO LTD [KR] et al.	DEVICE AND METHOD FOR ANNOUNCING THE REPLACEMENT TIME OF A BATTERY
WO2012060095 A1	PANASONIC CORP [JP], NOSAKA SHIGEKIYO	POWER CONTROL UNIT, POWER SUPPLY DEVICE, AND POWER CONTROL METHOD

WO2012059988 A1	TOYOTA MOTOR CO LTD [JP] et al.	CHARGING DEVICE AND VEHICLE EMPLOYING SAME
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