

Noticias

El Ministerio de Industria, Energía y Turismo (MINETUR) ha puesto en marcha el Programa de Incentivos al Vehículo Eficiente 3 (PIVE 3) con una dotación de 70 millones de euros. En total, el Gobierno ha destinado casi 300 millones de euros a las tres convocatorias de este Programa de incentivos a la compra de vehículos de mayor eficiencia energética.

De nuevo se podrán acoger a este programa vehículos turismos y comerciales ligeros (categorías M1 y N1) 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.

Además, el 26 de abril se aprobó el Real Decreto por el que se regula la concesión directa de subvenciones para la adquisición de vehículos eléctricos en 2013. El MINETUR apoya con 10 millones de euros esta iniciativa para impulsar el desarrollo de la movilidad eléctrica y su tecnología asociada, que representa una oportunidad tanto desde un punto de vista industrial como de eficiencia energética y

sostenibilidad ambiental.

Son subvencionables los cuadríciclos, turismos, furgones, furgonetas y autocares eléctricos nuevos, entendiéndose como tales aquellos cuya energía de propulsión procede, total o parcialmente, de la electricidad de sus baterías, cargadas a través de la red eléctrica.

Por otro lado, el ministro Soria acompañó a S.A.R. el Príncipe en el acto de inauguración del proyecto de movilidad eléctrica "Zem2All": Zero Emissions Mobility to All - Movilidad de Cero Emisiones para Todos. Se trata de una iniciativa hispano-japonesa que pretende promover el uso de vehículos eléctricos en la ciudad de Málaga.

Por último, durante este trimestre se han presentado nuevos modelos de vehículos eléctricos, como el BMW i3, eléctrico puro con posibilidad de convertirse en vehículo eléctrico de rango extendido incluyendo un motor de combustión de forma opcional, o el modelo eléctrico de Volkswagen, el e-Up!, presentado en el Salón Internacional del Automóvil de Barcelona.

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- **TECNOLOGÍAS VEHICULARES**

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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 |
|---------------------------------|---|---|
| WO2013087342 A1 | BOSCH GMBH ROBERT [DE] et al. | CURRENT MEASURING CIRCUIT, BATTERY AND MOTOR VEHICLE |
| WO2013086973 A1 | SUZHOU GALAXY ELECTRONIC TECH CO LTD [CN] | ENERGY-SAVING DEVICE AND METHOD FOR ELECTRIC AUTOMOBILE |
| WO2013086875 A1 | CHINA ELECTRIC POWER RES INST [CN] et al. | GRADING METHOD FOR CASCADE UTILIZATION OF POWER BATTERY OF ELECTRIC VEHICLE |
| WO2013084840 A1 | KANEKA CORP [JP] | NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND ASSEMBLED BATTERY USING SAME |
| WO2013084393 A1 | GS YUASA INT LTD [JP] et al. | NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND METHOD FOR MANUFACTURING NONAQUEOUS ELECTROLYTE SECONDARY BATTERY |
| WO2013084352 A1 | TOYOTA MOTOR CO LTD [JP] et al. | POSITIVE ELECTRODE ACTIVE MATERIAL, POSITIVE ELECTRODE ACTIVE MATERIAL LAYER, ALL-SOLID-STATE BATTERY, AND METHOD FOR PRODUCING POSITIVE ELECTRODE ACTIVE MATERIAL |
| WO2013084290 A1 | HITACHI VEHICLE ENERGY LTD [JP] et al. | ASSEMBLED BATTERY |
| WO2013083491 A1 | CONTINENTAL AUTOMOTIVE GMBH [DE] | ENERGY STORAGE SYSTEM COMPRISING AN ELECTRICAL ENERGY STORE AND A TEMPERATURE MONITORING DEVICE |
| WO2013083479 A1 | VALEO SYSTEMES THERMIQUES [FR] | BATTERY MODULE THERMAL REGULATING DEVICE |
| WO2013083252 A1 | AUDI NSU AUTO UNION AG [DE] | METHOD FOR OPERATING A BATTERY, AND BATTERY |
| WO2013083241 A1 | AUDI NSU AUTO UNION AG [DE] | METHOD FOR MANUFACTURING A BATTERY, BATTERY ARRANGEMENT AND MODULAR SYSTEM |
| WO2013083221 A1 | AUDI NSU AUTO UNION AG [DE] | CONNECTING ELEMENT FOR ELECTRICALLY CONNECTING BATTERY CELLS THAT ARE CONNECTED IN PARALLEL, BATTERY AND METHOD FOR PRODUCING A CONNECTING ELEMENT |
| WO2013083141 A1 | VOLVO LASTVAGNAR AB [SE] et al. | ENERGY STORAGE SYSTEM BALANCING DEVICE |
| WO2013081689 A1 | APPLIED NANOSTRUCTURE D SOLS [US] et al. | CORE/SHELL STRUCTURED ELECTRODES FOR ENERGY STORAGE DEVICES |
| WO2013081407 A1 | SK INNOVATION CO LTD [KR] | BATTERY PACK |
| WO2013081325 A1 | SK INNOVATION CO LTD [KR] | BATTERY MODULE |
| WO2013081152 A1 | MITSUBISHI RAYON CO [JP], DIA NITRIX CO LTD [JP] | BINDER RESIN FOR NONAQUEOUS SECONDARY BATTERY ELECTRODE, BINDER RESIN COMPOSITION FOR NONAQUEOUS SECONDARY BATTERY ELECTRODE, SLURRY COMPOSITION FOR NONAQUEOUS SECONDARY BATTERY ELECTRODE, ELECTRODE FOR NONAQUEOUS SECONDARY BATTERY, AND NONAQUEOUS SECONDARY BATTERY |
| WO2013080966 A1 | SANYO ELECTRIC CO [JP] | NON-AQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013080946 A1 | HITACHI MAXELL [JP] | SEPARATOR FOR NON-AQUEOUS ELECTROLYTE CELL AND NON-AQUEOUS ELECTROLYTE CELL USING SAME |
| WO2013080763 A1 | SHOEI CHEMICAL IND CO [JP] | POSITIVE ELECTRODE MATERIAL FOR LITHIUM ION SECONDARY BATTERY, POSITIVE ELECTRODE MEMBER FOR LITHIUM ION SECONDARY BATTERY, AND LITHIUM ION SECONDARY BATTERY |
| WO2013080722 A1 | SANYO ELECTRIC CO [JP] | NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME |

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| WO2013080685 A1 | NISSAN MOTOR [JP] | CELL MODULE |
| WO2013080512 A1 | VALEO JAPAN CO LTD [JP] | BATTERY TEMPERATURE CONTROL UNIT |
| WO2013080460 A1 | PANASONIC CORP [JP] | ELECTRODE PLATE FOR ELECTROCHEMICAL ELEMENT, AND ELECTROCHEMICAL ELEMENT |
| WO2013080379 A1 | TOYOTA MOTOR CO LTD [JP] et al. | LITHIUM SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME |
| WO2013080335 A1 | PIONEER CORP [JP], KATO MASAHIRO [JP] | VEHICLE DRIVE DEVICE |
| WO2013080334 A1 | PIONEER CORP [JP], KATO MASAHIRO [JP] | VEHICLE DRIVE DEVICE |
| WO2013080019 A2 | ROCHLANI VIJAY [IN] | A KINETIC ENERGY RECOVERY SYSTEM TO RECHARGE THE TRACTION STORAGE DEVICE OF AN ELECTRIC VEHICLE THROUGH INERTIAL DIFFERENTIALS BETWEEN A STATIC MASS AND THE LATERAL MOTIONS OF A VEHICLE IN MOTION |
| WO2013080014 A2 | ROCHLANI VIJAY [IN] | INTEGRAL SOLAR PANEL SYSTEM FOR AN ELECTRIC VEHICLE |
| WO2013079983 A1 | RIMAC AUTOMOBILI D O O [HR], RIMAC MATE [HR] | SYSTEM AND PROCESS FOR MAINTAINING OF WORKING TEMPERATURE OF BATTERY CELLS FOR STARTER ACCUMULATORS IN VEHICLES |
| WO2013079611 A2 | TECH AG H [LI], HEMPEL JOERG [DE] | METHOD AND APPARATUS FOR CHARGING RECHARGEABLE CELLS |
| WO2013078605 A1 | CHINESE ACAD INST CHEMISTRY [CN] et al. | SULFUR-CARBON COMPOSITE FOR LITHIUM-SULFUR BATTERY, THE METHOD FOR PREPARING SAID COMPOSITE, AND THE ELECTRODE MATERIAL AND LITHIUM-SULFUR BATTERY COMPRISING SAID COMPOSITE |
| WO2013077870 A1 | BOSCH GMBH ROBERT [DE] et al. | HIGH SPECIFIC-ENERGY LI/O ₂ -CO ₂ BATTERY |
| WO2013077441 A1 | MITSUMI MINING & SMELTING CO [JP] | LITHIUM METAL COMPLEX OXIDE HAVING LAYERED STRUCTURE |
| WO2013077325 A1 | MITSUBISHI CORP [JP] et al. | NEGATIVE-ELECTRODE MATERIAL FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY, AND METHOD FOR PRODUCING SAME |
| WO2013077320 A1 | JX NIPPON OIL & ENERGY CORP [JP] | ORGANIC ELECTROLYTE AND ORGANIC ELECTROLYTE STORAGE BATTERY |
| WO2013077296 A1 | SUMITOMO METAL MINING CO [JP] | METHOD FOR PRODUCING HIGH-PURITY NICKEL SULFATE |
| WO2013077212 A1 | JSR CORP [JP] | BINDER COMPOSITION FOR ELECTRICITY STORAGE DEVICES, SLURRY FOR ELECTRICITY STORAGE DEVICE ELECTRODES, ELECTRICITY STORAGE DEVICE ELECTRODE, SLURRY FOR FORMING PROTECTIVE FILM, PROTECTIVE FILM, AND ELECTRICITY STORAGE DEVICE |
| WO2013077181 A1 | PRIMEARTH EV ENERGY CO LTD [JP] | CLAMP DEVICE |
| WO2013077162 A1 | NISSAN MOTOR [JP] | SEPARATOR FOR ELECTRICAL DEVICE, AND ELECTRICAL DEVICE USING SAME |
| WO2013076958 A1 | TOYOTA JIDOSHOKKI KK [JP], NAT INST OF ADVANCED IND SCIEN [JP] | POSITIVE ELECTRODE MATERIAL FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERIES, NONAQUEOUS ELECTROLYTE SECONDARY BATTERY, AND METHOD FOR PRODUCING POSITIVE ELECTRODE MATERIAL FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERIES |
| WO2013076957 A1 | PANASONIC CORP [JP] | POWER MANAGEMENT DEVICE, POWER MANAGEMENT PROGRAM, AND POWER DISTRIBUTION SYSTEM |
| WO2013076955 A1 | IDEMITSU KOSAN CO [JP] et al. | ELECTRODE MATERIAL AND LITHIUM ION BATTERY USING SAME |
| WO2013076854 A1 | TOYOTA MOTOR CO LTD [JP] et al. | ALL-SOLID-STATE BATTERY |
| WO2013076835 A1 | TOYOTA MOTOR CO LTD [JP], KINOMURA SHIGEKI [JP] | VEHICLE, VEHICLE CONTROL METHOD, AND POWER-RECEIVING FACILITY |

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| WO2013076834 A1 | TOYOTA MOTOR CO LTD [JP], ICHIKAWA SHINJI [JP] | POWER TRANSMITTING DEVICE, VEHICLE, AND NON-CONTACT POWER TRANSMITTING/RECEIVING SYSTEM |
| WO2013076831 A1 | TOYOTA MOTOR CO LTD [JP], TAKAGI MASARU [JP] | SECONDARY BATTERY MANUFACTURING METHOD AND SECONDARY BATTERY |
| WO2013076806 A1 | PIONEER CORP [JP], KATO MASAHIRO [JP] | VEHICLE DRIVE DEVICE |
| WO2013076770 A1 | TOYOTA MOTOR CO LTD [JP], KIMURA KENJI [JP] | POWER STORAGE DEVICE, VEHICLE |
| WO2013076570 A1 | TOYOTA MOTOR CO LTD [JP] et al. | HYBRID VEHICLE AND CONTROL METHOD FOR HYBRID VEHICLE |
| WO2013076546 A1 | TOYOTA MOTOR CO LTD [JP] et al. | POWER STORAGE DEVICE AND BATTERY TEMPERATURE REGULATING METHOD |
| WO2013076540 A1 | PANASONIC CORP [JP] | POWER SUPPLY CONTROL DEVICE |
| WO2013076405 A1 | PEUGEOT CITROEN AUTOMOBILES SA [FR] | THERMAL MANAGEMENT DEVICE FOR A HYBRID OR ELECTRIC VEHICLE DRIVE TRAIN |
| WO2013075904 A1 | BOSCH GMBH ROBERT [DE] et al. | HOUSING FOR A GALVANIC ELEMENT CONSISTING OF CARBON FIBRE-REINFORCED POLYMER WITH A MOISTURE-IMPERMEABLE LAYER, GALVANIC CELL, RECHARGEABLE BATTERY AND MOTOR VEHICLE |
| WO2013075843 A1 | BAYERISCHE MOTOREN WERKE AG [DE], DIEHL METAL APPLIC GMBH [DE] | CELL CONTACTING ARRANGEMENT FOR AN ENERGY STORE |
| WO2013075842 A2 | BAYERISCHE MOTOREN WERKE AG [DE], DIEHL METAL APPLIC GMBH [DE] | CURRENT TAP ELEMENT FOR AN ENERGY STORAGE MODULE |
| WO2013075841 A1 | BAYERISCHE MOTOREN WERKE AG [DE], DIEHL METAL APPLIC GMBH [DE] | CELL CONTACTING ARRANGEMENT FOR AN ENERGY STORE |
| WO2013075840 A1 | BAYERISCHE MOTOREN WERKE AG [DE], DIEHL METAL APPLIC GMBH [DE] | HIGH VOLTAGE BATTERY |
| WO2013075801 A1 | LI TEC BATTERY GMBH [DE] | ELECTRICAL ENERGY STORAGE DEVICE WITH FLAT STORAGE CELLS |
| WO2013073901 A1 | LG CHEMICAL LTD [KR] | NON-AQUEOUS ELECTROLYTE SOLUTION FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING SAME |
| WO2013073867 A1 | ORANGE POWER LTD [KR] | ELECTRODE ASSEMBLY, METHOD OF MANUFACTURING SAME, AND BATTERY INCLUDING SAME |
| WO2013073795 A1 | SHINE CO LTD [KR] | ELECTRODE ASSEMBLY, METHOD FOR MANUFACTURING SAME, AND BATTERY CHARGING AND DISCHARGING METHOD |
| WO2013073594 A1 | HITACHI CHEMICAL CO LTD [JP] | LITHIUM-ION RECHARGEABLE BATTERY MATERIAL AND USE THEREOF |
| WO2013073562 A1 | DENKI KAGAKU KOGYO KK [JP] | COMPOSITE PARTICLES, METHOD FOR PRODUCING SAME, ELECTRODE MATERIAL FOR SECONDARY BATTERIES, AND SECONDARY BATTERY |
| WO2013073465 A1 | HONDA MOTOR CO LTD [JP] | BATTERY PACK FOR ELECTRIC VEHICLE, AND BATTERY PACK MOUNTING STRUCTURE |
| WO2013073463 A1 | HONDA MOTOR CO LTD [JP] | BATTERY PACK FOR ELECTRIC VEHICLE |
| WO2013073432 A1 | HONDA MOTOR CO LTD [JP] | VEHICLE BATTERY UNIT |

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| WO2013073400 A1 | SHIN KOBE ELECTRIC MACHINERY [JP] et al. | POSITIVE ELECTRODE FOR LITHIUM ION SECONDARY BATTERIES AND LITHIUM ION SECONDARY BATTERY USING SAME |
| WO2013073292 A1 | NGK INSULATORS LTD [JP] et al. | ZINC-AIR SECONDARY BATTERY |
| WO2013073231 A1 | TOYOTA MOTOR CO LTD [JP] et al. | LITHIUM ION SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME |
| WO2013073214 A1 | TOYOTA MOTOR CO LTD [JP] et al. | ELECTROLYTE-COATED POSITIVE ELECTRODE ACTIVE MATERIAL PARTICLES, ALL-SOLID-STATE BATTERY, AND PRODUCTION METHOD FOR ELECTROLYTE-COATED POSITIVE ELECTRODE ACTIVE MATERIAL PARTICLES |
| WO2013073177 A1 | YAZAKI CORP [JP] | POWER SUPPLY DEVICE |
| WO2013073176 A1 | YAZAKI CORP [JP] | POWER SUPPLY DEVICE |
| WO2013073049 A1 | SHINDENGEN ELECTRIC MFG [JP] et al. | CHARGING DEVICE |
| WO2013073038 A1 | TOYOTA MOTOR CO LTD [JP] et al. | ELECTROLYTE-COATED POSITIVE ELECTRODE ACTIVE MATERIAL PARTICLES, ALL-SOLID-STATE BATTERY, AND PRODUCTION METHOD FOR ELECTROLYTE-COATED POSITIVE ELECTRODE ACTIVE MATERIAL PARTICLES |
| WO2013073035 A1 | TOYOTA MOTOR CO LTD [JP] et al. | METHOD FOR PRODUCING SULFIDE SOLID ELECTROLYTE |
| WO2013072962 A1 | TOYOTA MOTOR CO LTD [JP] et al. | VEHICLE |
| WO2013072468 A2 | JOHNSON CONTROLS ADVANCED POWER SOLUTIONS GMBH [DE] | PRESSURE RELIEF ELEMENT, PRESSURE RELIEF DEVICE AND BATTERY |
| WO2013072358 A1 | COMMISSARIAT ENERGIE ATOMIQUE [FR] | STORAGE BATTERY PROTECTED FROM INTERNAL SHORT-CIRCUITS |
| WO2013071990 A1 | DAIMLER AG [DE] et al. | METHOD AND DEVICE FOR CONTROLLING A HYBRID DRIVE TRAIN OF A VEHICLE HAVING A POWER TAKE-OFF FUNCTION |
| WO2013070593 A1 | JOHNSON CONTROLS TECHNOLOGY LLC [US] | ONE-PIECE HOUSING WITH PLUGS FOR PRISMATIC CELL ASSEMBLY |
| WO2013070031 A1 | LG CHEMICAL LTD [KR] | SEPARATOR, AND ELECTROCHEMICAL DEVICE COMPRISING SAME |
| WO2013069793 A1 | ASAHI GLASS CO LTD [JP] | NON-AQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013069792 A1 | ASAHI GLASS CO LTD [JP] | NON-AQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013069791 A1 | ASAHI GLASS CO LTD [JP] | NON-AQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013069790 A1 | ASAHI GLASS CO LTD [JP] | NON-AQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013069756 A1 | AUTONETWORKS TECHNOLOGIES LTD [JP] et al. | WIRING MODULE |
| WO2013069622 A1 | mitsubishi MOTORS CORP [JP], MITSUBISHI MOTOR ENG [JP] | SECONDARY CELL |
| WO2013069527 A1 | AUTONETWORKS TECHNOLOGIES LTD [JP] et al. | BATTERY WIRING MODULE |
| WO2013069526 A1 | AUTONETWORKS TECHNOLOGIES LTD [JP] et al. | BATTERY WIRING MODULE |
| WO2013069525 A1 | AUTONETWORKS TECHNOLOGIES LTD [JP] et al. | BATTERY WIRING MODULE |

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| WO2013069502 A1 | TOYOTA MOTOR CO LTD [JP] et al. | LITHIUM SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME |
| WO2013069474 A1 | NEC CORP [JP] et al. | LITHIUM ION SECONDARY BATTERY |
| WO2013069454 A1 | GS YUASA INT LTD [JP] | ACTIVE SUBSTANCE FOR NONAQUEOUS ELECTROLYTE SECONDARY CELL, METHOD FOR PRODUCING ACTIVE SUBSTANCE, ELECTRODE FOR NONAQUEOUS ELECTROLYTE SECONDARY CELL, AND NONAQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013069308 A1 | PANASONIC CORP [JP] | BATTERY PACK |
| WO2013069197 A1 | TOYOTA JIDOSHOKKI KK [JP] | NEGATIVE-ELECTRODE MATERIAL AND NEGATIVE ELECTRODE FOR LITHIUM-ION SECONDARY BATTERY, AND LITHIUM-ION SECONDARY BATTERY |
| WO2013069134 A1 | TOYOTA MOTOR CO LTD [JP] et al. | BATTERY |
| WO2013069083 A1 | TOYOTA MOTOR CO LTD [JP] et al. | ALL-SOLID-STATE BATTERY |
| WO2013069064 A1 | TOYOTA MOTOR CO LTD [JP] et al. | LITHIUM ION SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME |
| WO2013068162 A1 | BOSCH GMBH ROBERT [DE] et al. | BATTERY CELL WITH A FILLING BODY AND ADDITIVE, BATTERY CELL MODULE, BATTERY AND MOTOR VEHICLE |
| WO2013067930 A1 | ALEEES ECO ARK CO LTD [CN] | ABNORMAL DETECTION SYSTEM FOR BATTERY MODULE AND DETECTION METHOD THEREOF |
| WO2013067371 A1 | BOSCH GMBH ROBERT [DE] et al. | LITHIUM-ION BATTERY WITH LIFE EXTENSION ADDITIVE |
| WO2013066948 A2 | JOHNSON CONTROLS TECH CO [US] et al. | BATTERY GRID WITH VARIED CORROSION RESISTANCE |
| WO2013066926 A1 | BRAMMO INC [US] | METHODS AND APPARATUS COMBINED THERMAL MANAGEMENT, TEMPERATURE SENSING, AND PASSIVE BALANCING FOR BATTERY SYSTEMS IN ELECTRIC VEHICLES |
| WO2013066867 A2 | COBASYS LLC [US] | PARALLEL CONFIGURATION OF SERIES CELLS WITH SEMICONDUCTOR SWITCHING |
| WO2013066683 A2 | JOHNSON CONTROLS TECHNOLOGY LLC [US] | PRISMATIC LITHIUM ION CELL WITH POSITIVE POLARITY RIGID CONTAINER |
| WO2013066117 A1 | LG CHEMICAL LTD [KR] | CABLE-TYPE SECONDARY BATTERY |
| WO2013065971 A1 | LG CHEMICAL LTD [KR] | NOVEL STRUCTURE FOR A BATTERY PACK |
| WO2013065962 A1 | SK INNOVATION CO LTD [KR] | BATTERY CELL, MANUFACTURING METHOD THEREOF, AND BATTERY MODULE INCLUDING THE SAME |
| WO2013065942 A1 | SK INNOVATION CO LTD [KR] et al. | BATTERY CELL AND BATTERY MODULE INCLUDING THE SAME |
| WO2013065738 A2 | ZEON CORP [JP] | ALL-SOLID-STATE SECONDARY BATTERY |
| WO2013065723 A1 | ADEKA CORP [JP] | NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY |
| WO2013065700 A1 | SONY CORP [JP] | CONTROL SYSTEM, CONTROL DEVICE, AND CONTROL METHOD |
| WO2013065535 A1 | SANYO ELECTRIC CO [JP] | CELL PROVIDED WITH SPIRAL ELECTRODE, AND METHOD FOR MANUFACTURING SAME |
| WO2013065478 A1 | HITACHI LTD [JP] | LITHIUM ION SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME |
| WO2013065454 A1 | NISSAN MOTOR [JP] | POWER SUPPLY CONTROLLER |
| WO2013065284 A1 | YAZAKI CORP [JP] | CONNECTOR FITTING STRUCTURE |
| WO2013065187 A1 | TOYOTA MOTOR CO LTD [JP] et al. | HERMETIC LITHIUM SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME |
| WO2013065094 A1 | NIHON MICRONICS KK [JP] et al. | DEVICE AND METHOD FOR TESTING OF QUANTUM CELL BY SEMICONDUCTOR PROBE |
| WO2013065093 A1 | NIHON MICRONICS KK [JP] et al. | REPEATEDLY CHARGEABLE AND DISCHARGEABLE QUANTUM BATTERY |
| WO2013064781 A1 | GABEN FABIEN [FR] | FULLY SOLID THIN-FILM BATTERIES AND METHOD FOR PRODUCING FULLY SOLID THIN-FILM BATTERIES |

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| WO2013064780 A2 | VALEO SYS CONTROLE MOTEUR SAS [FR] | POWER MODULE AND ELECTRIC DEVICE FOR THE COMBINED POWERING AND CHARGING OF AN ACCUMULATOR AND A MOTOR RESPECTIVELY |
| WO2013064779 A1 | GABEN FABIEN [FR] | METHOD FOR MANUFACTURING ALL-SOLID-STATE THIN-FILM BATTERIES |
| WO2013064773 A1 | GABEN FABIEN [FR] | METHOD FOR THE PRODUCTION OF ELECTRODES FOR FULLY SOLID BATTERIES |
| WO2013064772 A1 | GABEN FABIEN [FR] | METHOD FOR THE PRODUCTION OF THIN FILMS OF SOLID ELECTROLYTE FOR LITHIUM ION BATTERIES |
| WO2013064407 A1 | COMMISSARIAT ENERGIE ATOMIQUE [FR] | DEVICE FOR BALANCING THE CHARGE OF THE ELEMENTS OF AN ELECTRICAL POWER BATTERY |
| WO2013063403 A1 | NUCLEUS SCIENT INC [US] | A MULTI-CELL BATTERY ASSEMBLY |
| WO2013062337 A2 | LG CHEMICAL LTD [KR] | CABLE-TYPE SECONDARY BATTERY |
| WO2013062336 A1 | LG CHEMICAL LTD [KR] | CABLE-TYPE SECONDARY BATTERY |
| WO2013062313 A1 | LG CHEMICAL LTD [KR] | METHOD FOR MANUFACTURING CATHODE ACTIVE MATERIAL, CATHODE ACTIVE MATERIAL, AND LITHIUM SECONDARY BATTERY INCLUDING SAME |
| WO2013062032 A1 | NIPPON ELECTRIC GLASS CO [JP], UNIV OSAKA PREFECT PUBLIC CORP [JP] | POSITIVE ELECTRODE MATERIAL POWDER FOR LITHIUM ION SECONDARY BATTERIES |
| WO2013061979 A2 | SUMITOMO ELECTRIC INDUSTRIES [JP] | MOLTEN SALT BATTERY DEVICE, AND CONTROL METHOD FOR MOLTEN SALT BATTERY DEVICE |
| WO2013061970 A1 | PRIMEARTH EV ENERGY CO LTD [JP] | CELL PACK ASSEMBLY PALETTE, AND VEHICLE |
| WO2013061871 A1 | AUTONETWORKS TECHNOLOGIES LTD [JP] et al. | BATTERY WIRING MODULE |
| WO2013061787 A1 | AUTONETWORKS TECHNOLOGIES LTD [JP] et al. | BATTERY MODULE AND WIRING MODULE |
| WO2013061770 A1 | TOYOTA MOTOR CO LTD [JP] | NEGATIVE ELECTRODE ACTIVE MATERIAL AND METAL ION BATTERY USING SAME |
| WO2013061691 A1 | NISSAN MOTOR [JP] et al. | CHARGING DEVICE |
| WO2013061613 A1 | PANASONIC CORP [JP] | CONTACTLESS CHARGING DEVICE |
| WO2013061611 A1 | PANASONIC CORP [JP] | CONTACTLESS POWER TRANSMISSION DEVICE |
| WO2013061560 A1 | YAZAKI CORP [JP] | CONNECTOR |
| WO2013061460 A1 | HITACHI VEHICLE ENERGY LTD [JP] et al. | PRISMATIC BATTERY |
| WO2013061410 A1 | PIONEER CORP [JP] et al. | CHARGING INFORMATION MANAGEMENT SERVER, TERMINAL, CHARGING INFORMATION MANAGEMENT METHOD, AND PROGRAM |
| WO2013061132 A2 | TOYOTA MOTOR CO LTD [JP] et al. | BATTERY CASE AND VEHICLE |
| WO2013060603 A2 | ALBRIGHT DEUTSCHLAND GMBH [DE], DITTMANN RALF [DE] | BATTERY HAVING A PLURALITY OF ACCUMULATOR CELLS AND METHOD FOR OPERATING SAME |
| WO2013060506 A1 | BOSCH GMBH ROBERT [DE] et al. | APPARATUS FOR IDENTIFYING HAZARDS IN THE REGION OF A MOTOR VEHICLE |
| WO2013060422 A1 | KARLSRUHER INST TECHNOLOGIE [DE] | ELECTRODE MATERIAL FOR LITHIUM ION BATTERIES AND METHOD FOR THE PRODUCTION THEREOF |

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| WO2013059611 A2 | COBASYS LLC [US] | MODULAR BATTERY DISCONNECT UNIT |
| WO2013059292 A1 | COBASYS LLC [US] | BATTERY CELL WITH INTEGRATED MOUNTING FOOT |
| WO2013059235 A1 | COBASYS LLC [US] | FUSIBLE LINK TO CONNECT BATTERY CELLS AND MODULES |
| WO2013058371 A1 | TEIJIN LTD [JP] | SEPARATOR FOR NON-AQUEOUS RECHARGEABLE BATTERY AND NON-AQUEOUS RECHARGEABLE BATTERY |
| WO2013058349 A1 | SHOWA DENKO KK [JP] | GRAPHITE MATERIAL, CARBON MATERIAL FOR BATTERY ELECTRODE, AND BATTERY |
| WO2013058348 A1 | SHOWA DENKO KK [JP] | METHOD FOR PRODUCING ELECTRODE MATERIAL FOR LITHIUM ION BATTERIES |
| WO2013058347 A1 | SHOWA DENKO KK [JP] | METHOD FOR PRODUCING ELECTRODE MATERIAL FOR LITHIUM ION BATTERIES |
| WO2013058323 A1 | YAZAKI CORP [JP] | POWER SUPPLY DEVICE |
| WO2013058322 A1 | YAZAKI CORP [JP] | POWER SUPPLY DEVICE |
| WO2013058235 A1 | UBE INDUSTRIES [JP] | NON-AQUEOUS ELECTROLYTE SOLUTION AND ELECTRICITY-STORAGE DEVICE USING SAME |
| WO2013058224 A1 | UBE INDUSTRIES [JP] | NON-AQUEOUS ELECTROLYTE SOLUTION AND ELECTRICITY-STORAGE DEVICE USING SAME |
| WO2013058178 A1 | SONY CORP [JP] | POWER-FEED DEVICE AND POWER-FEED SYSTEM |
| WO2013058177 A1 | SONY CORP [JP] | POWER-FEED DEVICE AND POWER-FEED SYSTEM |
| WO2013058091 A1 | NISSAN MOTOR [JP] | ELECTRICAL-DEVICE-USE NEGATIVE-ELECTRODE ACTIVE SUBSTANCE |
| WO2013057965 A1 | SUMITOMO WIRING SYSTEMS [JP] et al. | BATTERY MODULE FOR VEHICLE |
| WO2013057784 A1 | HITACHI VEHICLE ENERGY LTD [JP] et al. | BATTERY CONTROL DEVICE AND SECONDARY BATTERY SYSTEM |
| WO2013056938 A1 | BAYERISCHE MOTOREN WERKE AG [DE] et al. | APPARATUS FOR VOLTAGE SUPPLY |
| WO2013056879 A1 | CONDUCTIX WAMPFLER GMBH [DE] et al. | APPARATUS FOR INDUCTIVELY TRANSMITTING ELECTRICAL ENERGY |
| WO2013056878 A1 | YAN XIAOFENG [DE] et al. | BATTERY MODULE WITH A TEMPERATURE CONTROL UNIT |
| WO2013056877 A1 | BOSCH GMBH ROBERT [DE] et al. | BATTERY MODULE WITH A TEMPERATURE CONTROL UNIT FOR LITHIUM-ION-CELLS |
| WO2013055416 A1 | BATTELLE MEMORIAL INSTITUTE [US] et al. | METAL FLUORIDE ELECTRODE PROTECTION LAYER AND METHOD OF MAKING SAME |
| WO2013055190 A1 | LG CHEMICAL LTD [KR] et al. | CABLE-TYPE SECONDARY BATTERY |
| WO2013055189 A1 | LG CHEMICAL LTD [KR] et al. | CABLE-TYPE SECONDARY BATTERY |
| WO2013055188 A1 | LG CHEMICAL LTD [KR] et al. | CABLE-TYPE SECONDARY BATTERY |
| WO2013055187 A1 | LG CHEMICAL LTD [KR] et al. | CABLE-TYPE SECONDARY BATTERY |
| WO2013055186 A1 | LG CHEMICAL LTD [KR] et al. | CABLE-TYPE SECONDARY BATTERY |
| WO2013055185 A2 | LG CHEMICAL LTD [KR] et al. | CABLE-TYPE SECONDARY BATTERY |
| WO2013055153 A2 | GLBE CO LTD [KR] | SPINEL LITHIUM MANGANESE OXIDE AS A POSITIVE ELECTRODE MATERIAL FOR A LITHIUM SECONDARY BATTERY AND METHOD FOR PRODUCING SAME |
| WO2013055043 A1 | DAEDONG IND CO LTD [KR] | BATTERY MOUNTING STRUCTURE FOR ELECTRIC TRACTOR |

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| WO2013054899 A1 | TOKUSHU TOKAI PAPER CO LTD [JP] | MICROPOROUS MEMBRANE AND MANUFACTURING METHOD THEREFOR |
| WO2013054816 A1 | NISSAN MOTOR [JP], MATSUMOTO KAKOU CO LTD | FABRICATION METHOD FOR LAMINATED-TYPE SECONDARY BATTERY |
| WO2013054813 A1 | UNIV WASEDA [JP] et al. | BATTERY SYSTEM AND BATTERY EVALUATION METHOD |
| WO2013054710 A1 | SUMITOMO ELECTRIC INDUSTRIES [JP] | LITHIUM ION CAPACITOR, POWER STORAGE DEVICE, POWER STORAGE SYSTEM |
| WO2013054676 A1 | SHOWA DENKO KK [JP] | NONAQUEOUS SOLUTION SECONDARY BATTERY |
| WO2013054511 A1 | GS YUASA INT LTD [JP] et al. | NONAQUEOUS ELECTROLYTE SECONDARY CELL AND METHOD FOR PRODUCING NONAQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013054510 A1 | KAWAKEN FINE CHEMICALS CO [JP] | NON-AQUEOUS ELECTROLYTE BATTERY SEPARATOR, AND LITHIUM-ION RECHARGEABLE BATTERY |
| WO2013054500 A1 | TOYOTA JIDOSHOKKI KK [JP] | NEGATIVE ELECTRODE MATERIAL FOR ELECTRICITY STORAGE DEVICE, NEGATIVE ELECTRODE FOR ELECTRICITY STORAGE DEVICE, ELECTRICITY STORAGE DEVICE, AND VEHICLE |
| WO2013054481 A1 | TOYOTA JIDOSHOKKI KK [JP] | LITHIUM ION SECONDARY CELL, NEGATIVE ELECTRODE FOR LITHIUM ION SECONDARY CELL, AND NEGATIVE ELECTRODE MATERIAL FOR LITHIUM ION SECONDARY CELL |
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| WO2013053957 A1 | EXIDE TECHNOLOGIES S A U [ES] et al. | FLOODED LEAD-ACID BATTERY WITH ELECTRODES COMPRISING A PASTING SUBSTRATE |
| WO2013053850 A2 | MICHELIN & CIE [FR], MICHELIN RECH TECH [CH] | SECURE METHOD FOR CUTTING OFF THE POWER SUPPLY OF AN ELECTRIC MOTOR, AND CORRESPONDING DEVICE |
| WO2013053842 A1 | AVL LIST GMBH [AT] | ELECTRICAL ENERGY ACCUMULATOR |
| WO2013053653 A2 | BOSCH GMBH ROBERT [DE] et al. | BATTERY SYSTEM, METHOD FOR REDUCING THE MOISTURE IN THE DRYING AGENT OF THE DRYING DEVICE OF A BATTERY SYSTEM, MOTOR VEHICLE, AND METHOD FOR OPERATING A MOTOR VEHICLE |
| WO2013053440 A1 | LI TEC BATTERY GMBH [DE] | METHOD AND SYSTEM FOR PRODUCING AN ELECTROCHEMICAL CELL AND BATTERY WITH A NUMBER OF THESE ELECTROCHEMICAL CELLS |
| WO2013053378 A1 | TOYOTA MOTOR EUROP NV SA [BE] et al. | STABLE NON-AQUEOUS ELECTROLYTE PROMOTING IDEAL REACTION PROCESS IN RECHARGEABLE LITHIUM-AIR BATTERIES |
| WO2013052955 A1 | CHARGEPOINT INC [US] et al. | CONFIGURABLE VISIBILITY OF ELECTRIC VEHICLE CHARGING STATIONS |
| WO2013052954 A1 | CHARGEPOINT INC [US] et al. | OVERRIDING DELAYED ELECTRIC VEHICLE CHARGING EVENTS |
| WO2013052054 A1 | NORTHROP GRUMMAN SYSTEMS CORP [US], VELIADIS JOHN VICTOR [US] | SYSTEM AND METHOD FOR PROVIDING BI-DIRECTIONAL POWER FLOW AND POWER CONDITIONING |
| WO2013051683 A1 | NIFCO INC [JP] | MOUNTING CLIP FOR BATTERY TEMPERATURE SENSOR |
| WO2013051678 A1 | SHOWA DENKO KK [JP] | GRAPHITE MATERIAL, METHOD FOR PRODUCING SAME, CARBON MATERIAL FOR BATTERY ELECTRODES, AND BATTERY |
| WO2013051638 A1 | AUTOMOTIVE ENERGY SUPPLY CORP [JP] | BATTERY PACK FOR DRIVING ELECTRIC VEHICLE |
| WO2013051636 A1 | DAIKIN IND LTD [JP] | OVERCHARGE PROTECTION AGENT, NON-AQUEOUS ELECTROLYTE, AND LITHIUM ION SECONDARY BATTERY |
| WO2013051635 A1 | DAIKIN IND LTD [JP] | BATTERY AND NON-AQUEOUS ELECTROLYTE |
| WO2013051634 A1 | DAIKIN IND LTD [JP] | NON-AQUEOUS ELECTROLYTE AND BATTERY |
| WO2013051574 A1 | NISSAN MOTOR [JP] | SEPARATOR WITH HEAT-RESISTANT INSULATING LAYER |

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| WO2013051503 A1 | NISSAN MOTOR [JP] | ELECTROLYTIC SOLUTION FOR ALKALI CELL, AND ALKALI CELL |
| WO2013051478 A1 | SONY CORP [JP] | BATTERY AND METHOD FOR MANUFACTURING SAME |
| WO2013051468 A1 | NISSAN MOTOR [JP] | SEPARATOR WITH HEAT RESISTANT INSULATING LAYER |
| WO2013051416 A1 | NISSAN MOTOR [JP] | ELECTRICAL DEVICE |
| WO2013051390 A1 | NISSAN MOTOR [JP], OHMI SANGYO CO LTD [JP] | CHARGING DEVICE |
| WO2013051241 A1 | CALSONIC KANSEI CORP [JP], UNIV KEIO [JP] | BATTERY STATE-OF-CHARGE ESTIMATION DEVICE AND STATE-OF-CHARGE ESTIMATION METHOD |
| WO2013051156 A1 | HITACHI VEHICLE ENERGY LTD [JP] et al. | BATTERY MONITORING DEVICE AND BATTERY MONITORING SYSTEM |
| WO2013051155 A1 | TOYOTA MOTOR CO LTD [JP] et al. | LITHIUM-ION SECONDARY BATTERY |
| WO2013051141 A1 | TOYOTA MOTOR CO LTD [JP] et al. | CONTROL DEVICE FOR HYBRID VEHICLE |
| WO2013051140 A1 | TOYOTA MOTOR CO LTD [JP] et al. | CONTROL DEVICE FOR HYBRID VEHICLE |
| WO2013051138 A1 | TOYOTA MOTOR CO LTD [JP] et al. | ASSEMBLED BATTERY AND PRODUCTION METHOD FOR ASSEMBLED BATTERY |
| WO2013051137 A1 | TOYOTA MOTOR CO LTD [JP] et al. | ASSEMBLED BATTERY AND PRODUCTION METHOD FOR ASSEMBLED BATTERY |
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| WO2013050713 A1 | INST POLYTECHNIQUE GRENOBLE [FR], CENTRE NAT RECH SCIENT [FR] | METHOD FOR PREPARING FLEXIBLE SELF-SUPPORTED ELECTRODES |
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| WO2013048132 A1 | SAMSUNG ELECTRONICS CO LTD [KR] | APPARATUS AND METHOD FOR WIRELESS CHARGING |
| WO2013048060 A2 | LG CHEMICAL LTD [KR] | BATTERY PACK HAVING A NOVEL COOLING STRUCTURE |
| WO2013048045 A1 | LG CHEMICAL LTD [KR] | SECONDARY BATTERY HAVING A SUPERIOR MANUFACTURING PROCESS AND STABILITY |
| WO2013048042 A1 | LG CHEMICAL LTD [KR] | SECONDARY BATTERY HAVING A SUPERIOR MANUFACTURING PROCESS AND STABILITY |
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| WO2013047747 A1 | HITACHI MAXELL ENERGY LTD [JP] | LITHIUM SECONDARY BATTERY |
| WO2013047515 A1 | SANYO ELECTRIC CO [JP] | NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY |
| WO2013047495 A1 | SHOWA DENKO KK [JP] | PRODUCTION METHOD FOR POSITIVE ELECTRODE ACTIVE MATERIAL USED IN LITHIUM SECONDARY BATTERIES |
| WO2013047399 A1 | SANYO ELECTRIC CO [JP] | BATTERY SYSTEM, ELECTRIC VEHICLE, MOVING BODY, POWER STORAGE DEVICE, POWER SOURCE DEVICE, BATTERY UNIT, AND HOUSING BODY |
| WO2013047299 A1 | SANYO ELECTRIC CO [JP] | NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY |
| WO2013047233 A1 | SHOEI CHEMICAL IND CO [JP] et al. | LITHIUM ION SECONDARY BATTERY POSITIVE ELECTRODE MATERIAL, LITHIUM ION SECONDARY BATTERY POSITIVE ELECTRODE MEMBER, AND LITHIUM ION SECONDARY BATTERY |
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| WO2013046893 A1 | HITACHI AUTOMOTIVE SYSTEMS LTD [JP] et al. | MOTOR CONTROL DEVICE |
| WO2013046443 A1 | TOYOTA MOTOR CO LTD [JP] et al. | ALL-SOLID-STATE BATTERY AND METHOD FOR MANUFACTURING SAME |
| WO2013046349 A1 | HITACHI VEHICLE ENERGY LTD [JP] et al. | PRISMATIC CELL |
| WO2013046263 A1 | TOYOTA MOTOR CO LTD [JP] et al. | CONTROL DEVICE AND CONTROL METHOD FOR NON-AQUEOUS SECONDARY BATTERY |
| WO2013046250 A1 | TOYOTA MOTOR CO LTD [JP], TSUSHIMA MANABU [JP] | BATTERY PROCESSING DEVICE, VEHICLE, BATTERY PROCESSING METHOD, AND BATTERY PROCESSING PROGRAM |
| WO2013046230 A1 | MAHINDRA REVA ELECTRIC VEHICLES PVT LTD [IN] et al. | A POWER PACK SYSTEM AND A VENTILATION SYSTEM PROVIDED THEREIN |
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| WO2013045264 A1 | BOSCH GMBH ROBERT [DE] et al. | BATTERY MODULE COMPRISING A PLURALITY OF BATTERY CELLS, AND MOTOR VEHICLE |
| WO2013043284 A1 | UCHICAGO ARGONNE LLC [US] et al. | LITHIUM IRON TITANIUM PHOSPHATE COMPOSITES FOR LITHIUM BATTERIES |
| WO2013042780 A1 | ASAHI GLASS CO LTD [JP] | PRODUCTION METHOD FOR POSITIVE ELECTRODE MATERIAL FOR SECONDARY BATTERY |
| WO2013042778 A1 | ASAHI GLASS CO LTD [JP] | PRODUCTION METHOD FOR POSITIVE ELECTRODE MATERIAL FOR SECONDARY BATTERY |
| WO2013042777 A1 | ASAHI GLASS CO LTD [JP] | PRODUCTION METHOD FOR POSITIVE ELECTRODE MATERIAL FOR SECONDARY BATTERY |
| WO2013042717 A1 | DAIMLERAG [DE], KIUCHI TATSUO [JP] | POWER SOURCE CONTROL DEVICE AND CONTROL METHOD FOR HYBRID ELECTRIC VEHICLE |
| WO2013042610 A1 | NEC CORP [JP] et al. | LITHIUM-ION SECONDARY BATTERY |
| WO2013042590 A1 | SANYO ELECTRIC CO [JP] et al. | NONAQUEOUS ELECTROLYTE SECONDARY BATTERY |
| WO2013042580 A1 | NISSAN MOTOR [JP] et al. | SECONDARY BATTERY CONTROL DEVICE |
| WO2013042475 A1 | NEC CORP [JP] et al. | BATTERY CONTROL SYSTEM, BATTERY CONTROL DEVICE, BATTERY CONTROL METHOD AND RECORDING MEDIUM |
| WO2013042474 A1 | NEC CORP [JP] et al. | BATTERY CONTROL SYSTEM, BATTERY CONTROL DEVICE, BATTERY CONTROL METHOD, AND RECORDING MEDIUM |
| WO2013042224 A1 | PIONEER CORP [JP] et al. | NON-CONTACT POWER TRANSMITTING APPARATUS, NON-CONTACT POWER RECEIVING APPARATUS, AND NON-CONTACT POWER FEEDING SYSTEM |
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| WO2013041049 A1 | SHENZHEN BYD AUTO R & D COMPANY LTD [CN], BYD CO LTD [CN] | IN-VEHICLE CHARGING CONTROL DEVICE, VEHICLE CHARGING SYSTEM AND VEHICLE |
| WO2013042166 A1 | TOYOTA MOTOR CO LTD [JP] et al. | ELECTRICAL STORAGE SYSTEM AND METHOD FOR CONTROLLING ELECTRICAL STORAGE SYSTEM |
| WO2013041804 A1 | PEUGEOT CITROEN AUTOMOBILES SA [FR] | METHOD FOR MONITORING THE ELECTRIC ENERGY SUPPLIED BY HYBRID VEHICLE BATTERIES |
| WO2013041387 A1 | BOSCH GMBH ROBERT [DE] et al. | BATTERY HOUSING, IN PARTICULAR FOR LITHIUM-ION CELLS, COMPRISING A TEMPERATURE-ADJUSTMENT MEDIUM DISTRIBUTION SYSTEM, BATTERY AND MOTOR VEHICLE |

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| WO2013041263 A1 | BOSCH GMBH ROBERT [DE] et al. | ENERGY ACCUMULATION, ARRANGEMENT COMPRISING THE ENERGY ACCUMULATION AND METHOD FOR DETERMINING AN FUNCTIONAL STATE OF AN ENERGY ACCUMULATION |
| WO2013041262 A1 | BOSCH GMBH ROBERT [DE] et al. | ENERGY ACCUMULATION SYSTEM AND STATE DETECTION SYSTEM COMPRISING THE ENERGY ACCUMULATION SYSTEM |
| WO2013041166 A1 | VOLKSWAGEN AG [DE] et al. | BATTERY BOX, ELECTRIC OR HYBRID VEHICLE AND METHOD FOR INSTALLING A BATTERY BOX |
| WO2013039753 A1 | AEROVIRONMENT INC [US] et al. | METHODS FOR OPERATING A MULTI-USE ENERGY MANAGEMENT AND CONVERSION SYSTEM FOR ELECTRIC VEHICLE CHARGING |
| WO2013039131 A1 | ZEON CORP [JP] et al. | ELECTRODE FOR ELECTROCHEMICAL ELEMENT |
| WO2013039043 A1 | SUNCALL CORP [JP], SUZUKI TAKAFUMI [JP] | CRIMPING STRUCTURE FOR METAL MATERIALS, AND BUS BAR USING SAID CRIMPING STRUCTURE |
| WO2013039014 A1 | NIFCO INC [JP] et al. | CLIP |
| WO2013038939 A1 | HITACHI MAXELL ENERGY LTD [JP] et al. | LITHIUM SECONDARY-BATTERY PACK, ELECTRONIC DEVICE USING SAME, CHARGING SYSTEM, AND CHARGING METHOD |
| WO2013038918 A1 | SANYO ELECTRIC CO [JP] et al. | POSITIVE ELECTRODE ACTIVE MATERIAL FOR NON-AQUEOUS ELECTROLYTE SECONDARY CELL, AND NON-AQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013038884 A1 | NEC CORP [JP], YUGE RYOTA [JP] | NEGATIVE ELECTRODE ACTIVE SUBSTANCE AND PRODUCTION METHOD THEREFOR |
| WO2013038764 A1 | NEC CORP [JP] et al. | SECONDARY BATTERY SYSTEM, AND METHOD FOR OPERATING SECONDARY BATTERY |
| WO2013038702 A1 | PANASONIC CORP [JP] et al. | NONAQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013038701 A1 | PANASONIC CORP [JP] et al. | NONAQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013038677 A1 | PANASONIC CORP [JP] et al. | NONAQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013038672 A1 | PANASONIC CORP [JP] et al. | NONAQUEOUS ELECTROLYTE SECONDARY CELL |
| WO2013038520 A1 | HITACHI VEHICLE ENERGY LTD [JP], SUGA ATSUO [JP] | BATTERY |
| WO2013038516 A1 | SUMITOMO METAL MINING CO [JP] et al. | MANGANESE IRON AMMONIUM PHOSPHATE, METHOD FOR PRODUCING SAME, POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERIES USING MANGANESE IRON AMMONIUM PHOSPHATE, METHOD FOR PRODUCING POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERIES USING MANGANESE IRON AMMONIUM PHOSPHATE, AND LITHIUM SECONDARY BATTERY USING POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERIES USING MANGANESE IRON AMMONIUM PHOSPHATE |
| WO2013038109 A1 | RENAULT SA [FR] et al. | METHOD FOR ESTIMATING THE TEMPERATURE AT THE CORE OF A BATTERY CELL |
| WO2013037917 A1 | COMMISSARIAT ENERGIE ATOMIQUE [FR] et al. | METHOD FOR EVALUATING THE SEALING OF A BIPOLAR STRUCTURE FOR AN ELECTROCHEMICAL GENERATOR |
| WO2013037814 A2 | BAYERISCHE MOTOREN WERKE AG [DE] et al. | CHARGING APPARATUS FOR A VEHICLE |
| WO2013037790 A1 | AVL LIST GMBH [AT] et al. | ELECTRICAL ENERGY ACCUMULATOR |
| WO2013037786 A1 | AVL LIST GMBH [AT] et al. | ELECTRICAL ENERGY ACCUMULATOR |
| WO2013037742 A1 | AVL LIST GMBH [AT] et al. | RECHARGEABLE BATTERY |
| WO2013035831 A1 | NIPPON ELECTRIC GLASS CO [JP] et al. | METHOD FOR PRODUCING A LITHIUM ION SECONDARY BATTERY POSITIVE ELECTRODE MATERIAL |
| WO2013035830 A1 | NIPPON ELECTRIC GLASS CO [JP] et al. | METHOD FOR MANUFACTURING LITHIUM-ION SECONDARY CELL POSITIVE ELECTRODE MATERIAL |

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| WO2013035632 A1 | SHOEI CHEMICAL IND CO [JP] et al. | POSITIVE ELECTRODE MATERIAL FOR LITHIUM ION SECONDARY BATTERIES, POSITIVE ELECTRODE MEMBER FOR LITHIUM ION SECONDARY BATTERIES, LITHIUM ION SECONDARY BATTERY, AND METHOD FOR PRODUCING POSITIVE ELECTRODE MATERIAL FOR LITHIUM ION SECONDARY BATTERIES |
| WO2013031478 A1 | TOYOTA MOTOR CO LTD [JP] et al. | LITHIUM RECHARGEABLE BATTERY |
| WO2013035171 A1 | PIONEER CORP [JP], SHIBATA KOJI [JP] | POWER TRANSMITTING APPARATUS |
| WO2013026190 A1 | HK APPLIED SCIENCE & TECH RES [CN] et al. | POROUS CONDUCTIVE ACTIVE COMPOSITE ELECTRODE FOR LITHIUM ION BATTERIES |

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SUPERCONDENSADORES

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| WO2013081097 A1 | HONDA MOTOR CO LTD [JP] | POWER CONTROL UNIT |
| WO2013075139 A1 | TULA TECHNOLOGY INC [US] | HYBRID POWERTRAIN CONTROL |
| WO2013074879 A2 | CORNING INC [US] et al. | CELL DESIGN FOR HIGH ENERGY DENSITY ELECTROCHEMICAL DOUBLE LAYER CAPACITORS |
| WO2013061432 A1 | TOYOTA MOTOR CO LTD [JP], ASAMI TAKAYUKI [JP] | MOTOR CONTROL DEVICE |
| WO2013061358 A1 | TOYOTA MOTOR CO LTD [JP] et al. | ELECTRICITY-STORAGE SYSTEM |
| WO2013051034 A2 | ARUMUGAM RAJENDRA BABU [IN] et al. | AN UNIVERSAL POWER SUPPLY SYSTEM WITH LOAD ISOLATING AND VOLTAGE ENHANCE DEVICE |
| WO2013050281 A2 | BOSCH GMBH ROBERT [DE] et al. | CONTROL UNIT FOR A MOTOR VEHICLE |
| WO2013043453 A1 | CORNING INC [US] et al. | HIGH VOLTAGE ELECTRO-CHEMICAL DOUBLE LAYER CAPACITOR |

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SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

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| WO2013089778 A1 | UNIV VANDERBILT [US] et al. | DISTRIBUTED PISTON ELASTOMERIC ACCUMULATOR |
| WO2013084358 A1 | TOYOTA MOTOR CO LTD [JP] et al. | VEHICLE CONTROL DEVICE |
| WO2013083525 A1 | RENAULT SA [FR] | BRAKING SUPERVISION |
| WO2013083524 A1 | RENAULT SA [FR] | ESTIMATION OF RECOVERED ENERGY |
| WO2013077736 A1 | DTI GROUP BV [NL] | FLYWHEEL MODULE FOR A VEHICLE, AS WELL AS METHODS OF OPERATING THE FLYWHEEL MODULE |
| WO2013077376 A1 | NTN TOYO BEARING CO LTD [JP] | ELECTRIC VEHICLE |
| WO2013076836 A1 | TOYOTA MOTOR CO LTD [JP], KATSUTA HIROSHI [JP] | VEHICLE, AND VEHICLE CONTROL METHOD |
| WO2013075862 A1 | BOSCH GMBH ROBERT [DE] et al. | METHOD FOR BLENDING A GENERATOR BRAKING TORQUE OF A GENERATOR OF A RECUPERATIVE BRAKE SYSTEM HAVING TWO BRAKE CIRCUITS, AND CONTROL DEVICE FOR A RECUPERATIVE BRAKE SYSTEM HAVING TWO BRAKE CIRCUITS |
| WO2013070449 A1 | ARC ENERGY RECOVERY INC [US] | ENERGY RECOVERY DRIVE SYSTEM AND VEHICLE WITH ENERGY RECOVERY DRIVE SYSTEM |
| WO2013068361 A1 | RENAULT SA [FR] | ADAPTATION OF A SIMULATED ENGINE-BRAKING INSTRUCTION |
| WO2013068200 A1 | BAYERISCHE MOTOREN WERKE AG [DE] et al. | METHOD FOR CONTROLLING A BRAKING DEVICE OF A VEHICLE FORMED BY A SERVICE BRAKE AND AN ELECTRIC GENERATOR BRAKE |
| WO2013058680 A2 | ZAKRYTOE AKCIONERNOE OBSHESTVO COMBARCO [RU], DAVYDOV VITALY VLADIMIROVICH [RU] | HYBRID POWERTRAIN (VARIANTS) |
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| WO2013055850 A2 | BOSCH GMBH ROBERT [DE], SCHWINDT OLIVER [US] | SYSTEM AND METHOD FOR OPTIMAL DECELERATION OF A VEHICLE USING REGENERATIVE BRAKING |
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CAMBIO DE BATERÍAS

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