Boletín VT

COCHE ELÉCTRICO

2° trimestre 2016

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Vigilancia Tecnológica

Noticias

La Agencia Internacional de Energía (AIE, IEA en inglés) ha publicado su informe anual sobre los más reciente avances y desarrollos en el mercado de los vehículos eléctricos, con especial enfoque en la evolución de las ventas de dichos vehículos así como en las políticas necesarias para promover una mayor implementación de la movilidad eléctrica en el mundo, en relación especialmente con el impacto en la disminución de emisiones.

Iberdrola e Ingeteam ponen en marcha el primer punto de carga rápida de Pamplona. El sistema permitirá recargar en apenas 15 o 20 minutos hasta el 80% de la batería de un vehículo eléctrico.

Donostia-San Sebastián ha puesto en circulación dos nuevos autobuses 100% eléctricos y dos híbridos, que se incorporan a la flota de la compañía dBus. Estos nuevos autobuses, junto con los que se añadirán a la flota antes de finales de año, harán que el 25% de la flota de autobuses de 12 metros esté electrificada.

Formentera aspira a convertirse en la primera isla europea por la que solo circulen vehículos eléctricos: el Consejo Insular quiere poner en marcha un ambicioso plan de sostenibilidad, para lo que ha firmado un acuerdo con el fabricante francés Citroën para la cesión de seis vehículos eléctricos de un nuevo modelo que todavía no se comercializa en España. Esos primeros coches servirán de proyecto piloto para impulsar a partir de 2017 su estrategia de movilidad centrada en el transporte eléctrico.

Todos los boletines que publica periódicamente la OEPM están disponibles en el siguiente enlace:

BOLETINES OEPM

NIPO: 073-15-016-6

CONTENIDO:

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
WO 2016051662	TOYOTA MOTOR CO LTD	Non-aqueous electrolytic secondary battery and method of manufacturing the same
WO 2016051907	HITACHI AUTOMOTIVE SYSTEMS LTD	Lithium ion secondary battery
WO 2016052098	NEC CORP	Material for negative electrode active material for lithium ion secondary battery, method for producing said material, negative electrode, and lithium ion secondary battery
WO 2016052881	LG CHEMICAL LTD	Lithium secondary battery manufacturing method
WO 2016052944	LG CHEMICAL LTD	Positive electrode active material and method for manufacturing same
WO 2016053046	IUCF HYU	Lithium air secondary battery and method of manufacturing same
WO 2016056586	HITACHI CHEMICAL CO LTD	Positive-electrode active material for lithium ion secondary battery, and lithium ion secondary battery
WO 2016077182	DOW GLOBAL TECHNOLOGIES LLC	High volumetric energy density lithium battery with long cycle life
WO 2016093100	TOYOTA JIDOSHOKKI KK	Electric power storage device
WO 2016093539	KOKAM CO LTD	Secondary battery module and secondary battery pack using same
WO 2016052074	NEC ENERGY DEVICES LTD	Lithium ion secondary battery and method for manufacturing same
WO 2016052648	GS YUASA INT LTD	Negative electrode for nonaqueous electrolyte electricity storage elements, nonaqueous electrolyte electricity storage element, and electricity storage device
WO 2016052667	MITSUI CHEMICALS INC	Electrode for lithium batteries, lithium battery and paste for electrochemical cells
WO 2016052900	LG CHEMICAL LTD	Method and device for estimating discharge power of secondary battery
WO 2016052996	LG CHEMICAL LTD	Lithium secondary battery comprising non-aqueous electrolyte
WO 2016053054	LG CHEMICAL LTD	Positive electrode active material for lithium secondary battery, preparation method for same, and lithium secondary battery comprising same
WO 2016053060	LG CHEMICAL LTD	Secondary battery laminating device and secondary battery laminating method
WO 2016056373	KOBAYASHI HIKARU KIT CO LTD NISSHIN KASEI CO LTD	Negative electrode material of lithium ion battery, lithium ion battery, method and apparatus for manufacturing negative electrode or negative electrode material of lithium ion battery
WO 2016049836	VOLKSWAGEN CHINA INVEST CO LTD	Energy storage system for vehicle
WO 2016051688	PANASONIC IP MAN CO LTD	Alloy powder for electrodes, negative electrode for nickel-metal hydride storage batteries using same, and nickel-metal hydride storage battery
WO 2016052512	HITACHI CHEMICAL CO LTD	Lead storage battery
WO 2016053032	LG CHEMICAL LTD	Negative electrode active material for lithium secondary battery, method for preparing same, and lithium secondary battery comprising same
WO 2016055910	UMICORE NV UMICORE KOREA LTD	Carbonate precursors for lithium nickel manganese cobalt oxide cathode material and the method of making same
WO 2016056495	SUMITOMO ELECTRIC INDUSTRIES	Electrolyte solution for sodium ion secondary battery, and sodium ion secondary battery
WO 2016056768	LG CHEMICAL LTD	Battery cell balancing system and method using lc resonance
WO 2016091187	BYD CO LTD	Automobile starting control system and automobile

WO 2016053056	LG CHEMICAL LTD	Positive electrode active material for lithium secondary battery, preparation method for same, and lithium secondary battery comprising same
WO 2016053608	MASSACHUSETTS INST TECHNOLOGY LI MINGDA WANG ZIQIANG LI WENBIN	Sulfur nanosponge cathode for lithium-sulfur battery and methods of manufacture thereof
WO 2016055908	SEMICONDUCTOR ENERGY LAB	Power storage device and electronic apparatus
WO 2016056155	SHINETSU CHEMICAL CO	Negative electrode active substance for nonaqueous electrolyte secondary cell, negative electrode for nonaqueous electrolyte secondary cell, nonaqueous electrolyte secondary cell, and method for producing negative electrode material for nonaqueous electrolyte secondary cell
WO 2016056170	TOYOTA MOTOR CO LTD	Nonaqueous electrolyte secondary battery
WO 2016056774	LG CHEMICAL LTD	Battery pack case having efficient cooling structure
WO 2016056775	LG CHEMICAL LTD	Electrode comprising alternately arranged electrode mixture parts and irreversible parts, and secondary battery comprising same
WO 2016056776	LG CHEMICAL LTD	Battery cell including battery case formed in shape corresponding to electrode assembly having step structure
WO 2016093538	KOKAM CO LTD	Dual-sided cell cartridge for secondary battery module, and secondary battery module and pack using the dual-sided cell cartridge
WO 2016052934	LG CHEMICAL LTD	Anode, lithium secondary battery comprising same, battery module comprising the lithium secondary battery, and method for manufacturing anode
WO 2016056361	SONY CORP	Electrolyte for secondary cell, secondary cell, cell pack, electric vehicle, power storage system, electric power tool and electronic apparatus equipment
WO 2016056493	SUMITOMO ELECTRIC INDUSTRIES	Electrolyte solution for sodium ion secondary battery, and sodium ion secondary battery
WO 2016064254	LS CABLE & SYSTEM LTD	Wireless power transmission device and wireless power transmission system
WO 2016090763	ZTE CORP	Terminal device battery and method for control of charge and discharge thereof
WO 2016093522	LG CHEMICAL LTD	Apparatus and method for controlling battery rack relay
WO 2016093590	LG CHEMICAL LTD	Secondary battery having improved output characteristics
WO 2016050329	TOYOTA MOTOR EUROPE NV SA CONSEJO SUPERIOR INVESTIGACION	Electrolytes for calcium-based secondary cell and calcium-based secondary cell comprising the same
WO 2016051653	SANYO ELECTRIC CO	Positive electrode for nonaqueous electrolyte secondary batteries and nonaqueous electrolyte secondary battery using same
WO 2016052932	LG CHEMICAL LTD	Anode, lithium secondary battery comprising same, battery module comprising the lithium secondary battery, and method for manufacturing anode
WO 2016053053	LG CHEMICAL LTD	Cathode active material for lithium secondary battery, preparation method therefor and lithium secondary battery comprising same
WO 2016056181	TOYOTA MOTOR CO LTD	Nonaqueous electrolyte secondary battery
WO 2016056494	SUMITOMO ELECTRIC INDUSTRIES	Electrolyte solution for sodium ion secondary battery, and sodium ion secondary battery
WO 2016056764	LG CHEMICAL LTD	Electrode assembly wound in both directions, and lithium secondary battery comprising same
WO 2016051656	SANYO ELECTRIC CO	Nonaqueous electrolyte secondary battery
WO 2016052850	LG CHEMICAL LTD	Negative electrode active material for lithium secondary battery, method for manufacturing same, negative electrode for lithium secondary battery comprising same, and lithium secondary battery
WO 2016053031	LG CHEMICAL LTD	Anode active material for lithium secondary battery, method for manufacturing same, and lithium secondary battery comprising same

WO 2016053051	LG CHEMICAL LTD	Positive electrode active material for lithium secondary battery, manufacturing method therefor, and lithium secondary battery comprising same
WO 2016092811	GS YUASA INT LTD	Power storage element state estimation device and power storage element state estimation method
WO 2016093170	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Charging control circuit
WO 2016051976	FUJIFILM CORP	Aluminum plate
WO 2016052806	KOREA ADVANCED INST SCI & TECH	Wide area wireless power transmission apparatus and method using multiple synchronisation of magnetic fields
WO 2016052910	LG CHEMICAL LTD	Anode active material for lithium secondary battery, manufacturing method therefor, anode for lithium secondary battery comprising same, and lithium secondary battery
WO 2016087716	KELIBER OY	Method of producing lithium metal phosphates
WO 2016056846	LG CHEMICAL LTD	Battery module having improved safety and operational lifespan
WO 2016057619	UNIV WAYNE STATE	Electrocatalysis of lithium polysulfides: current collectors as electrodes in li/s battery configuration
WO 2016059126	JAGUAR LAND ROVER LTD	Battery condition monitoring
WO 2016063434	SANYO ELECTRIC CO	Power supply device
WO 2016063854	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Power storage module
WO 2016063967	AISIN KEIKINZOKU CO LTD TOYOTA MOTOR CO LTD	Protective frame structure
WO 2016064260	LG CHEMICAL LTD	Electrode manufacturing method for improving battery capacity and electrode manufactured thereby
WO 2016064244	LG CHEMICAL LTD	Apparatus and method for detecting malfunction of task scheduler in battery management system
WO 2016066843	REPSOL SA	Hierarchical composite structures based on graphene foam or graphene-like foam
WO 2016067084	TOYOTA MOTOR CO LTD	Non-aqueous electrolyte secondary battery, electrode body used therefor, and method of manufacturing the electrode body
WO 2016088775	CS ENERGY MATERIALS LTD	Nickel lithium metal composite oxide production method, nickel lithium metal composite oxide obtained by production method, and cathode active material including same
WO 2016089176	LG CHEMICAL LTD	Cathode active material, method for preparing same, and lithium secondary battery comprising same
WO 2016057369	XG SCIENCES INC	Lif-embedded sig powder for lithium ion battery
WO 2016059464	TOYOTA MOTOR CO LTD	Nonaqueous electrolyte secondary battery and manufacturing method therefor
WO 2016060265	TOYOTA JIDOSHOKKI KK	Power storage device
WO 2016064949	SION POWER CORP BASF SE	Ion-conductive composite for electrochemical cells
WO 2016083529	ABB TECHNOLOGY AG	Method of operating a battery in an electrically powered vehicle
WO 2016089177	LG CHEMICAL LTD	Cathode active material, method for manufacturing same, and lithium secondary battery comprising same
WO 2016059853	SHARP KK	Power control device and power control system provided with same
WO 2016063175	SEMICONDUCTOR ENERGY LAB	Electrode and manufacturing method therefor, negative electrode and manufacturing method therefor, power storage device, and electronic apparatus
WO 2016063877	UNIV OSAKA PREFECT PUBLIC CORP	Positive electrode for all-solid secondary battery, method for manufacturing same, and all-solid secondary battery
WO 2016064256	LG CHEMICAL LTD	Secondary battery separator comprising organic/inorganic composite porous layer, and manufacturing method therefor

WO 2016070923	BAYERISCHE MOTOREN WERKE AG TOYOTA MOTOR CORP	Method and system for operating a metal air battery by a controlled supply of oxygen
WO 2016088686	NEC CORP	Secondary battery, electric vehicle, and power storage system
WO 2016059869	TOSHIBA KK	Secondary battery charge state estimation device and secondary battery charge state estimation method
WO 2016088476	HONDA MOTOR CO LTD	Vehicular power supply device
WO 2016088475	HONDA MOTOR CO LTD	Vehicular power supply device and cooling circuit
WO 2016088891	NAT INST OF TECHNOLOGY TOYO TANSO CO	Air cell positive electrode, air cell employing this positive electrode, and method for manufacturing said positive electrode
WO 2016088997	UNIV DONGGUK IND ACAD COOP	Manganese-based cathode active material for sodium secondary battery, and sodium secondary battery containing same
WO 2016057265	BORGWARNER INC	Control systems for hydraulically actuated transmissions of electric vehicles
WO 2016060037	FUJIFILM CORP	Aluminum plate and method for producing aluminum plate
WO 2016088474	HONDA MOTOR CO LTD	Vehicular power supply device and cooling circuit
WO 2016089099	LG CHEMICAL LTD	Electrolyte solution for lithium secondary battery, with improved low temperature characteristic, and lithium secondary battery containing same
WO 2016059861	SONY CORP	Secondary battery, battery pack, electric vehicle, power storage system, power tool, and electronic apparatus
WO 2016063472	PANASONIC IP MAN CO LTD	Battery pack
WO 2016063964	MITSUI CHEMICALS INC	Lithium secondary battery
WO 2016064187	LG CHEMICAL LTD	Multi-layer structured lithium metal electrode and method for manufacturing same
WO 2016088506	HITACHI AUTOMOTIVE SYSTEMS LTD	Rectangular secondary battery
WO 2016055846	TOYOTA MOTOR CO LTD	Nonaqueous electrolyte secondary battery and vehicle
WO 2016057426	UNIV MARYLAND	Protection layers for metal anodes
WO 2016076145	NIPPON STEEL & SUMIKIN CHEM CO ADEKA CORP	Nonaqueous electrolyte secondary battery
WO 2016080213	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Electrical storage module
WO 2016080443	NAT INST OF ADVANCED IND SCIEN	Lithium-iron-phosphorus-sulfur-carbon composite body and method for producing same
WO 2016080912	UNIV SINGAPORE REPUBLIC POLYTECHNIC	All-solid-state lithium-ion battery
WO 2016084357	SANYO ELECTRIC CO	Non-aqueous electrolyte secondary cell
WO 2016084858	HITACHI CHEMICAL CO LTD	Lead storage cell
WO 2016084864	TOYO TANSO CO	Expanded graphite sheet and battery using same
WO 2016085617	TOYOTA ENG & MFG NORTH AMERICA	In-situ magnesium-metal generated rechargeable magnesium battery
WO 2016068684	LG CHEMICAL LTD	Multilayer cable-type secondary battery
WO 2016074960	BASF SE	Electrode materials, their manufacture and use
WO 2016075104	BOSCH GMBH ROBERT	Sensor housing
WO 2016080177	HITACHI AUTOMOTIVE SYSTEMS LTD	Prismatic secondary battery
WO 2016084273	SANYO ELECTRIC CO	Power source device
WO 2016084573	NIPPON ELECTRIC GLASS CO	Method for manufacturing positive electrode material for electrical storage device

WO 2016068681	LG CHEMICAL LTD	Transition metal oxide precursor, method for preparing same, lithium composite transition metal oxide, positive electrode comprising same, and secondary battery
WO 2016080027	TOYO TIRE & RUBBER CO	Method for manufacturing displacement detection sensor for sealed-type secondary battery
WO 2016080456	HITACHI CHEMICAL CO LTD	Lithium-ion cell
WO 2016082120	GM GLOBAL TECH OPERATIONS INC YU ZHIQIANG	Combination of plasma coating and spray coating for lithium battery electrode fabrication
WO 2016084966	SUMITOMO METAL MINING CO	Positive electrode active material for nonaqueous electrolyte secondary cell, method for manufacturing same, and nonaqueous electrolyte secondary cell
WO 2016085271	LG CHEMICAL LTD	Device and method for measuring thickness of secondary battery cell
WO 2016068641	LG CHEMICAL LTD	Lithium sulfur battery and method for producing same
WO 2016076327	UBE INDUSTRIES	Non-aqueous electrolyte solution, and power storage device in which non-aqueous electrolyte solution is used
WO 2016080212	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Electricity storage module
WO 2016080320	SUMITOMO METAL MINING CO	Positive electrode active material for nonaqueous electrolyte secondary batteries, method for producing same and nonaqueous electrolyte secondary battery using same
WO 2016084563	TOYOTA JIDOSHOKKI KK	Power storage apparatus
WO 2016051249	TOYOTA MOTOR CO LTD	Cooling device for battery
WO 2016063176	SEMICONDUCTOR ENERGY LAB	Lithium-ion storage battery and fabricating method thereof
WO 2016068142	HITACHI CHEMICAL CO LTD	Lithium ion battery
WO 2016068263	SUMITOMO METAL MINING CO	Nickel-containing composite hydroxide and production process therefor, positive active material for nonaqueous-electrolyte secondary battery and production process therefor, and nonaqueous-electrolyte secondary battery
WO 2016075736	TOSHIBA KK	Cell module
WO 2016078491	DALIAN CHEMICAL PHYSICS INST	Zinc-bromine flow battery having extended service life
WO 2016080143	ZEON CORP	Double-sided tape for electrode constituent body immobilization, and secondary battery
WO 2016080300	UNIV NAGASAKI	Secondary cell
WO 2016084346	SANYO ELECTRIC CO	Positive electrode for nonaqueous electrolyte secondary batteries, and nonaqueous electrolyte secondary battery
WO 2016084697	SHOWA DENKO KK	Method for manufacturing electroconductive paste, and electroconductive paste
WO 2016084930	SUMITOMO METAL MINING CO	Positive electrode active material for non-aqueous electrolyte secondary battery and producing method therefor, and non-aqueous electrolyte secondary battery using said positive electrode active material
WO 2016064171	LG CHEMICAL LTD	System and method for correcting soc of battery
WO 2016068651	LG CHEMICAL LTD	Electrode for secondary battery, method for manufacturing same, secondary battery comprising same, and cable-type secondary battery
WO 2016084112	SWCC SHOWA CABLE SYS CO LTD	Composite cable
WO 2016084693	TOYOTA JIDOSHOKKI KK	Power storage device
WO 2016075916	GS YUASA INT LTD	Sulfur-carbon composite, nonaqueous electrolyte cell having electrode containing sulfur-carbon composite, and method for producing sulfur-carbon composite
WO 2016080696	LG CHEMICAL LTD	Cooling plate for secondary battery, and secondary battery module having same

WO 2016067487	SANYO ELECTRIC CO	Power supply device
WO 2016067959	SUMITOMO METAL MINING CO	Method for producing nickel cobalt aluminum composite hydroxide and method for producing positive electrode active material for nonaqueous electrolyte secondary batteries
WO 2016068040	NAT INST OF ADVANCED IND SCIEN	Lithium-containing garnet crystal and all-solid-state lithium ion secondary battery
WO 2016072165	HITACHI AUTOMOTIVE SYSTEMS LTD	Travel control device
WO 2016067402	HITACHI LTD	Lithium ion battery
WO 2016068594	LG CHEMICAL LTD	Anode active material for lithium secondary battery, method for manufacturing same, and lithium secondary battery comprising anode active material
WO 2016068682	LG CHEMICAL LTD	Transition metal oxide precursor, lithium composite transition metal oxide, positive electrode comprising same, and secondary battery
WO 2016072351	IHI CORP	Coil device, contactless power supply system, and auxiliary magnetic member
WO 2016068516	LG CHEMICAL LTD	Negative electrode for secondary battery, electrode assembly comprising same, and secondary battery
WO 2016068683	LG CHEMICAL LTD	Multilayer cable-type secondary battery
WO 2016072328	VALEO JAPAN CO LTD	Battery temperature control unit, and battery pack using same
WO 2016072594	LG CHEMICAL LTD	Cartridge frame having double side wall structure, and battery module comprising same
WO 2016067522	SANYO ELECTRIC CO	Nonaqueous electrolyte secondary battery
WO 2016066011	BYD CO LTD	Heat sink and power battery system
WO 2016067586	CALSONIC KANSEI CORP UNIV KEIO	Battery parameter estimation device
WO 2016072054	PANASONIC IP MAN CO LTD	Electrode member, current collecting plate, and battery block
WO 2016072315	NAT UNIV CORP NAGAOKA UNIV TEC NIPPON ELECTRIC GLASS CO	Positive electrode active material for storage device and method for producing positive electrode active material for storage device
WO 2016071941	TOSHIBA KK TOSHIBA SOLUTIONS CORP	Prediction system, prediction program and prediction device
WO 2016068329	NAT INST OF ADVANCED IND SCIEN	Lithium ion conductive crystal body and all-solid state lithium ion secondary battery
WO 2016072822	LEE JEONG YONG	Battery for electric vehicle and the like
WO 2016067960	SUMITOMO METAL MINING CO	Nickel composite hydroxide and method for preparing same
WO 2016068534	LG CHEMICAL LTD	Lithium sulfur battery
WO 2016072649	LG CHEMICAL LTD	Conductive material manufacturing method, conductive material manufactured therefrom, and lithium secondary battery including same
WO 2016070801	JOHNSON CONTROLS TECH CO JOHNSON CONTROLS NEW ENERGY BATTERY RES AND DEV SHANGHAI LTD	Scalable modular design of 48-volt li-ion battery management system

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SUPERCONDENSADORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2016090617	CHEN YINFANG	Intelligent driving recording and monitoring power bank device based on lte
WO 2016064259	LG CHEMICAL LTD	Method for cutting separation membrane for battery, and separation membrane for battery manufactured thereby
WO 2016088535	TOYOTA JIDOSHOKKI KK	Power storage device
WO 2016068785	SCANIA CV AB	Method and system for pre-charging an electrical component

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SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2016092586	NISSAN MOTOR	Braking/driving force control device and braking/driving force control method
WO 2016055806	ISIS INNOVATION	Electrical energy storage device
WO 2016059818	NISSO CO LTD	Permanent magnet rotation mechanism and permanent magnet power generator provided with said permanent magnet rotation mechanism
WO 2016088247	YASKAWA DENKI SEISAKUSHO KK	Brake control system, vehicle, motor, and brake control method
WO 2016089228	EDDY CURRENT LTD PARTNERSHIP	Eddy current brake configurations
WO 2016080224	ISUZU MOTORS LTD	Hybrid vehicle control method
WO 2016065672	SHANGHAI HUITAI MULTIPLE NEW ENERGY TECH CO LTD	Driving system and method for battery electric vehicle

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MÁQUINAS ELÉCTRICAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2016051535	NISSAN MOTOR	Rotating electrical machine system
WO 2016093174	HITACHI METALS LTD	Production method for r-t-b-based sintered magnet
WO 2016093149	NTN TOYO BEARING CO LTD	Wiring structure of motor drive device for vehicle
WO 2016093327	FCC KK	Power transmitting device for hybrid vehicle
WO 2016054068	LIGHTENING ENERGY	Electric vehicle battery thermal management system and method
WO 2016087924	TOYOTA MOTOR CO LTD DENSO CORP	Hybrid automobile
WO 2016093173	HITACHI METALS LTD	Production method for r-t-b-based sintered magnet
WO 2016052040	NTN TOYO BEARING CO LTD SUZUKI KENICHI UOZUMI TOMOHISA HIRAI ISAO	In-wheel motor drive device
WO 2016088827	HITACHI CONSTRUCTION MACHINERY	Construction machine
WO 2016076648	POSCO	Module for cooling heating element and motor including same
WO 2016060311	KOREA ELECTRONICS TECHNOLOGY	Stator of planar type motor, and planar type motor using same
WO 2016063674	NTN TOYO BEARING CO LTD TAMURA SHIRO ISHIKAWA TAKANORI TAIKOU SHINYA	Casing structure for in-wheel motor drive device
WO 2016084798	YAMAHA MOTOR CO LTD	Electric current supply system, electric power supply system, and control device
WO 2016085951	GEN ELECTRIC	Integrated motor and axle apparatus and method
WO 2016075739	MITSUBISHI ELECTRIC CORP	Rotating electrical machine
WO 2016080216	ISUZU MOTORS LTD	Hybrid system, hybrid vehicle, and electric power supply method for hybrid system
WO 2016082629	SCHAEFFLER TECHNOLOGIES AG HUANG CHAO GAO ZHICHUAN CAI XIANGYANG PAN HANGYI	Wheel hub drive assembly
WO 2016080494	NITTO DENKO CORP	Drive device and ventilation member
WO 2016066129	CHEN QIXING LUO QIYU	Linear motor based on radial magnetic tube
WO 2016084602	HITACHI AUTOMOTIVE SYSTEMS LTD	Rotor for rotating electric device, and rotating electric device using the rotor
WO 2016084474	AISIN AW CO	Control device for vehicle drive device
WO 2016068404	LG ELECTRONICS INC	Motor and automobile having same
WO 2016072308	NTN TOYO BEARING CO LTD	In-wheel motor device and in-wheel motor control device therefor
WO 2016068470	LG ELECTRONICS INC	Driving module for vehicle

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CONVERTIDORES, INVERSORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2016051742	PANASONIC IP MAN CO LTD	Motor control device, motor unit including said motor control device, automobile including motor unit, and motor control method
WO 2016092985	HITACHI AUTOMOTIVE SYSTEMS LTD	Electric power converting device
WO 2016060000	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Reactor
WO 2016060001	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Reactor
WO 2016088624	NGK INSULATORS LTD	Method for separating group 13 element nitride layer, and composite substrate
WO 2016063678	MITSUBISHI ELECTRIC CORP	Electric power conversion device
WO 2016080068	HITACHI AUTOMOTIVE SYSTEMS LTD	Power conversion device
WO 2016079995	DENSO CORP	Semiconductor device and power module
WO 2016076040	HITACHI AUTOMOTIVE SYSTEMS LTD	Power conversion device
WO 2016067835	ROHM CO LTD	Power module and power circuit

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RECARGA DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2016052524	TAKAOKA TOKO CO LTD	Charging device for electric moving body
WO 2016051684	PANASONIC IP MAN CO LTD	Storage cell control device and storage module management system
WO 2016093118	AYUDANTE INC	Timer management method and program for automobile charging stand
WO 2016092151	UNIV AALTO FOUNDATION	Method and arrangement for charging of vehicle accumulators
WO 2016051635	SONY CORP	Electric power storage device, electronic device, electric vehicle, and electric power system
WO 2016063966	TOYOTA JIDOSHOKKI KK	Charging device and charging method
WO 2016064224	LG CHEMICAL LTD	Apparatus and method for controlling electric currents
WO 2016088537	MITSUBISHI MOTORS CORP	Charging and discharging current quantity display device for electric vehicle
WO 2016060748	QUALCOMM INC	Systems, methods, and apparatus for living object protection in wireless power transfer applications
WO 2016063507	PANASONIC IP MAN CO LTD	Electric power supply device
WO 2016059720	MITSUBISHI ELECTRIC CORP	Charge-discharge control device
WO 2016084043	HITACHI RAIL ITALY S P A	Auxiliary system of power supply and energy harvesting for an electric vehicle, and method for operating the auxiliary system of power supply and energy harvesting
WO 2016059897	SHARP KK	Power control device
WO 2016089925	AEROVIRONMENT INC	System for charging an electric vehicle (ev)
WO 2016075797	HITACHI LTD	Battery system
WO 2016079964	GS YUASA INT LTD	Secondary cell management device and secondary cell management method
WO 2016082326	ZHONGSHAN BROAD OCEAN MOTOR CO	Electric automobile system integrating charging and driving functions, and control method therefor
WO 2016080222	MURATA MANUFACTURING CO	On-vehicle battery, and on-vehicle power supply device
WO 2016078801	BOSCH GMBH ROBERT	Device for transferring energy by induction comprising a monitoring device
WO 2016082208	BOSCH GMBH ROBERT ZHANG MINGLIANG	Wireless network based battery management system
WO 2016084503	TOYOTA MOTOR CO LTD	Charging/discharging control device for onboard secondary cell
WO 2016067913	TOYOTA JIDOSHOKKI KK	Charging device
WO 2016072091	HONDA MOTOR CO LTD	Charging control device and charging control method
WO 2016071029	BOSCH GMBH ROBERT	Transmission system, method and a vehicle arrangement

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CAMBIO DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO

NO SE HAN RECUPERADO DOCUMENTOS

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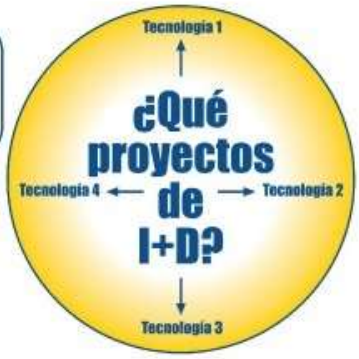
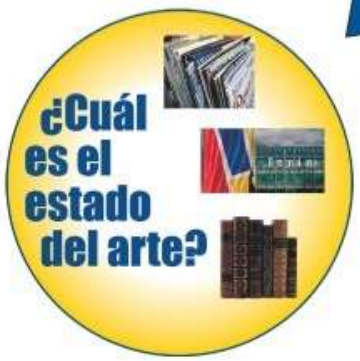
Los ITPs** de la OEPM nos proporcionan información imprescindible para decidir la priorización óptima de proyectos de I+D en los que invertir.

Gamesa



LANZAMIENTO



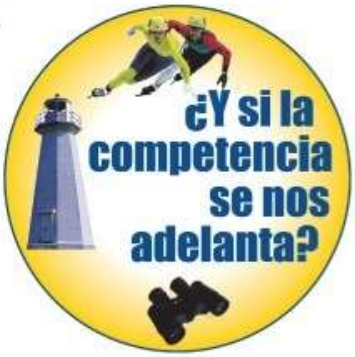
Los ITPs** de la OEPM nos han ahorrado horas de revisión bibliográfica para definir el punto de partida de nuestros proyectos de I+D.

GRIFOLS 75

EJECUCIÓN

Los ITPs** de la OEPM detectaron solicitudes de patente relevantes cuando estábamos a mitad del proyecto y gracias a ello pudimos reconducir nuestra investigación.

CSIC



CONCLUSIÓN

Gracias a los ITPs** de la OEPM hemos podido decidir la mejor forma de protección de nuestros resultados de I+D y redactar adecuadamente nuestras solicitudes de patente.

Real Casa de la Moneda
Fábrica Nacional de Moneda y Timbre

** La OEPM cuenta con más de 150 examinadores de patentes especializados en los diversos sectores tecnológicos y en la búsqueda de información científico-técnica.*

*** Los Informes Tecnológicos de Patentes o ITPs son estudios a la medida que incluyen una búsqueda de patentes y de literatura científica con un análisis en profundidad de los documentos más relevantes. Su coste es de 440 euros más IVA.*