

Noticias

Finalmente [arranca el Plan Movea 2017](#), de incentivos a la adquisición de vehículos propulsados con energías alternativas. Estará en vigor desde el 24 de junio hasta el 15 de octubre o cuando se agoten los fondos y contempla, como principal novedad, ayudas al achatarramiento de coches antiguos. Esta nueva edición del Plan Movea contempla ayudas de 5.500 euros a la compra de turismos eléctricos con más de 90 kilómetros de autonomía con un precio máximo de venta de 32.000 euros.

El [fabricante de automóviles Volvo Cars](#) ha anunciado que a partir de 2019 los nuevos modelos que lance al mercado serán solo vehículos eléctricos o híbridos. Dentro de este plan, la compañía lanzará cinco coches totalmente eléctricos entre 2019 y 2021

El [presidente de SEAT, Luca de Meo](#), ha insistido en la necesidad de que España se dote de una fábrica de coches antes de 2025, si quiere seguir manteniendo su posición como segundo mayor productor de

automóviles de Europa. También ha añadido será importante acompañar esta industria con infraestructuras de carga necesarias y localizar las fábricas de baterías.

De acuerdo con un reciente análisis, elaborado por el equipo de transporte avanzado de BNEF (Bloomberg New Energy Finance) los [vehículos eléctricos van a convertirse en los más vendidos en 2040](#), representando el 33% de los vehículos ligeros que circulen por las carreteras del mundo en esa fecha. Esta situación será consecuencia de la caída de los precios de las baterías que va a permitir que los vehículos eléctricos resulten más económicos que los coches de combustión interna.

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[BOLETINES OEPM](#)

NIPO: 073-15-016-6

CONTENIDO:

- **TECNOLOGÍAS VEHICULARES**
 - Baterías
 - Supercondensadores
 - Sistemas de recuperación de energía, p.ej. frenos regenerativos
 - Máquinas eléctricas
 - Convertidores, inversores
- **INFRAESTRUCTURAS DE CARGA**
 - Recarga de baterías
 - Cambio de baterías

Solicitudes de Patente Publicadas

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

BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	Contenido técnico
WO 2017098850	SONY CORP	Electrolyte layer for secondary batteries, secondary battery, battery pack, electric vehicle, electrical energy storage system, electric tool and electronic device
WO 2017099247	FUJIFILM CORP	Solid-state electrolyte composition, sheet for all-solid-state secondary battery, electrode sheet for all-solid-state secondary battery and manufacturing method therefor, and all-solid-state secondary battery and manufacturing method therefor
WO 2017097958	JAGUAR LAND ROVER LTD	Apparatus for providing a barrier between battery modules
WO 2017104938	LG CHEMICAL LTD	Battery module, battery pack comprising battery module, and vehicle comprising battery pack
WO 2017104968	LG CHEMICAL LTD	Secondary battery pack
WO 2017105098	LG CHEMICAL LTD	Sealing device for battery case with increased pressing and heat application area
WO 2017077025	JAGUAR LAND ROVER LTD	Vehicle earth point connector
WO 2017098918	NAT UNIV CORP YOKOHAMA NAT UNIV	Secondary battery
WO 2017099332	LG CHEMICAL LTD	Battery access system and method
WO 2017097589	BAYERISCHE MOTOREN WERKE AG	Cell contact-making system, cell module and method for producing a cell module
WO 2017099248	FUJIFILM CORP	Solid electrolyte composition, binder particle, all-solid secondary battery sheet, all-solid secondary battery electrode sheet and all-solid secondary battery, and production method therefor
WO 2017100165	UNIV RUTGERS	Electrode material for lithium batteries
WO 2017097594	BOSCH GMBH ROBERT	Electrode material, battery cell containing same, and method for producing same
WO 2017099347	LG CHEMICAL LTD	Battery module and battery pack comprising same
WO 2017105156	LG CHEMICAL LTD	Separator and battery comprising same
WO 2017105115	LG CHEMICAL LTD	Electrode for electrochemical element and electrochemical element comprising same
WO 2017098855	SUMITOMO ELECTRIC INDUSTRIES	Sodium ion secondary battery and positive electrode active material particles
WO 2017097726	BOSCH GMBH ROBERT	Super cells formed of cylindrical electrochemical cells
WO 2017099333	LG CHEMICAL LTD	Battery cell having electrode lead comprising gas adsorbent
WO 2017103783	UNIV KING ABDULLAH SCI & TECH	Lithium-sulfur battery, a dual blocking layer, methods of making, and methods of use thereof
WO 2017097228	THE CHINESE UNIV OF HONG KONG	High-energy density and low-cost flow electrochemical devices
WO 2017101841	BYD CO LTD	Electric vehicle and vehicle-mounted charger and method for controlling the same
WO 2017104025	ELIY POWER CO LTD	Electricity storage device
WO 2017085157	FRAUNHOFER- GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E V	Electrical bridging device for bridging electrical components, in particular an energy source or an energy consumer
WO 2017092792	WESTFÄLISCHE WILHELMS- UNIVERSITÄT MÜNSTER	Surface modified lithium-rich oxides
WO 2017099507	LG CHEMICAL LTD	Battery pack and vehicle having the battery pack
WO 2017098714	SONY CORP	Positive-electrode active material, positive electrode, battery, battery pack, electronic device, electric vehicle, electricity

		storage device, and electric power system
WO 2017099001	HITACHI AUTOMOTIVE SYSTEMS LTD	Secondary cell
WO 2017098838	HITACHI AUTOMOTIVE SYSTEMS LTD	Battery pack
WO 2017106349	CADENZA INNOVATION INC	Low profile pressure disconnect device for lithium ion batteries
WO 2017060608	RENAULT SAS	Battery support arrangement for hybrid vehicle
WO 2017081878	TATEYAMA KAGAKU IND CO LTD	Power supply control circuit
WO 2017082546	LG CHEMICAL LTD	Anode slurry for secondary battery for improving dispersibility and reducing resistance, and anode comprising same
WO 2017085902	SHIN-ETSU CHEMICAL CO LTD	Negative electrode active material, mixed negative electrode active material, negative electrode for nonaqueous electrolyte secondary batteries, lithium ion secondary battery, and method for producing negative electrode active material
WO 2017085994	SONY CORP	Secondary battery, battery pack, electric vehicle, power storage system, electric tool, electronic device
WO 2017090866	LG CHEMICAL LTD	Battery pack comprising fire extinguishing device, and control method using same
WO 2017094396	SONY CORP	Secondary cell, cell pack, electric vehicle, power storage system, electric tool, and electronic device
WO 2017102318	OXIS ENERGY LTD	Lithium-sulfur battery management system
WO 2017072110	COMMISSARIAT ENERGIE ATOMIQUE	Method and device for readjusting an estimated state of charge of a lithium battery
WO 2017076718	LITHIUM ENERGY AND POWER GMBH & CO KG	Battery system for a vehicle
WO 2017078825	JOHNSON CONTROLS TECH CO	Systems and methods for bonding metal parts to the polymer packaging of a battery module
WO 2017080739	BOSCH GMBH ROBERT	Circuit for sensing a voltage of a plurality of electrical energy storage units connected in series and method for operating said circuit
WO 2017090639	ISUZU MOTORS LTD	Hybrid electric vehicle and method of controlling same
WO 2017091543	CORNING INC	Porous silicon compositions and devices and methods thereof
WO 2017094163	KK TOSHIBA	Positive electrode active material for nonaqueous electrolyte battery, positive electrode for nonaqueous electrolyte battery, nonaqueous electrolyte battery, and battery pack
WO 2017094286	AUTOMOTIVE ENERGY SUPPLY CORP	Lithium ion secondary battery and method for manufacturing same
WO 2017094416	NEC CORP	Positive electrode active material for lithium secondary batteries, positive electrode for lithium secondary batteries, lithium secondary battery, method for producing positive electrode active material for lithium secondary batteries, and method for manufacturing lithium secondary battery
WO 2017094983	LG CHEMICAL LTD	Battery pack and vehicle containing battery pack
WO 2017095068	LG CHEMICAL LTD	Positive electrode active material for secondary battery, positive electrode, for secondary battery, comprising same, and secondary battery
WO 2017095061	LG CHEMICAL LTD	Cathode active material for secondary battery, and secondary battery comprising same
WO 2017079666	JOHNSON CONTROLS TECH CO ZHANG ZHENLI JIN ZHIHONG H WYATT PERRY M	Optimization of cruising voltage for life and fuel economy performance in advanced start-stop systems
WO 2017083573	UNIV CORNELL	High performance electrodes, materials, and precursors thereof
WO 2017084840	JAGUAR LAND ROVER LTD	Controller and control method for activating temperature control of a device of a vehicle
WO 2017093107	BOSCH GMBH ROBERT	Sic separator and sic cell
WO 2017094237	PANASONIC IP MAN CO LTD	Non-aqueous electrolyte secondary battery
WO 2017094238	PANASONIC IP MAN CO LTD	Nonaqueous electrolyte secondary battery
WO 2017094505	AUTONETWORKS TECHNOLOGIES LTD	Wiring module

	SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	
WO 2017063879	BOSCH GMBH ROBERT	Deep format pouch for battery cell
WO 2017076867	VALEO KLIMASYSTEME GMBH	Cooling module for a battery, battery for a vehicle and method for producing a cooling module
WO 2017082671	LG CHEMICAL LTD	Separator provided with electrode bonding layer, and electrochemical device comprising same
WO 2017082530	LG CHEMICAL LTD	Battery cell comprising electrode lead having protruding extension and tab connector
WO 2017091485	TE CONNECTIVITY CORP	Electrical module
WO 2017094712	NEC CORP	Lithium ion secondary battery
WO 2017094724	DAINIPPON PRINTING CO LTD	Packaging material for battery, battery, and method for manufacturing packaging material for battery
WO 2017095066	LG CHEMICAL LTD	Apparatus and method for detecting battery cell failure due to unknown discharge current
WO 2017095001	LG CHEMICAL LTD	Clamping member and battery module using same
WO 2017096465	BLUE SOLUTIONS CANADA INC	Battery with variable electrochemical cells configuration
WO 2017063856	JAGUAR LAND ROVER LTD	An apparatus comprising battery cells and a method of assembling
WO 2017063874	BOSCH GMBH ROBERT	Battery terminal comprising an integrated spring or a flexible pad
WO 2017071931	BOSCH GMBH ROBERT	Battery case with rails having engaging protrusion-slot securing means
WO 2017072793	COUNCIL SCIENT IND RES	An anode composition for enhanced li-ion battery applications and its extraction from red mud
WO 2017081234	SABIC GLOBAL TECHNOLOGIES BV	Electrical component carrier as a stressed member of an electrical vehicle
WO 2017081825	mitsubishi electric corp	Power conditioner
WO 2017082669	LG CHEMICAL LTD	Pouch-type secondary battery and manufacturing method therefor
WO 2017083064	QUALCOMM INC	Method and apparatus for wireless power transmission utilizing self-stabilized arrays of magneto-mechanical oscillators
WO 2017086684	IUCF-HYU(INDUSTRY-UNIVERSITY COOP FOUND HANYANG UNIVERSITY)	Electrode material and preparation method therefor
WO 2017080798	AUDI AG	Energy storage device
WO 2017082153	HITACHI AUTOMOTIVE SYSTEMS LTD	Lithium-ion secondary battery
WO 2017088996	NORDFELS GMBH	Busbar and battery module having such a busbar
WO 2017094247	PANASONIC IP MAN CO LTD	Power supply device, method of controlling power supply device, and power supply device control program
WO 2017081719	KK TOYOTA JIDOSHOKKI	Electrical storage device
WO 2017082083	NEC ENERGY DEVICES LTD	Lithium ion secondary battery and method for manufacturing same
WO 2017087365	AVALON BATTERY (CANADA) CORP CHIANG JOHNSON	Electrode assembly and flow battery with improved electrolyte distribution
WO 2017086592	LG CHEMICAL LTD	Electrode drying device, and battery cell comprising electrode manufactured according to same
WO 2017095172	LG CHEMICAL LTD	Indirect cooling system capable of uniformly cooling battery modules , and battery pack including same
WO 2017095728	BROOKHAVEN SCIENCE ASS LLC UNIV NEW YORK STATE RES FOUND	Regenerable battery electrode
WO 2017102348	BAYERISCHE MOTOREN WERKE AG	Energy storage module
WO 2017063855	JAGUAR LAND ROVER LTD	An apparatus comprising battery cells and a method of assembling

WO 2017063876	BOSCH GMBH ROBERT	Weld-free current collector for a battery cell
WO 2017082258	TEIJIN LTD	Separator for non-aqueous secondary cell, and non-aqueous secondary cell
WO 2017082260	TEIJIN LTD	Separator for non-aqueous secondary cell, and non-aqueous secondary cell
WO 2017094719	NEC CORP	Lithium ion secondary battery
WO 2017094381	SONY CORP	Secondary battery, battery pack, electric vehicle, electrical energy storage system, electric tool and electronic device
WO 2017095081	LG CHEMICAL LTD	Positive electrode active material for secondary battery, positive electrode, for secondary battery, comprising same, and secondary battery
WO 2017095134	LG CHEMICAL LTD	Cathode active material for secondary battery, and secondary battery comprising same
WO 2017095151	LG CHEMICAL LTD	Cathode for secondary battery and secondary battery comprising same
WO 2017057215	TYCO ELECTRONICS JAPAN G K	Inter-battery connection device and inter-battery connection device assembly
WO 2017069384	LG CHEMICAL LTD	Battery protection structure and battery module comprising same
WO 2017069278	UBE INDUSTRIES	Non-aqueous electrolyte solution and power storage device using same
WO 2017073687	KURARAY CO KUREHA CORP	Carbonaceous material for non-aqueous electrolyte secondary battery, negative electrode for non-aqueous electrolyte secondary battery, non-aqueous electrolyte secondary battery, and method for producing carbonaceous material for non-aqueous electrolyte secondary battery
WO 2017073686	KURARAY CO KUREHA CORP	Carbonaceous material for non-aqueous electrolyte secondary battery, negative electrode for non-aqueous electrolyte secondary battery, and non-aqueous electrolyte secondary battery
WO 2017087807	UNIV MICHIGAN REGENTS	State of battery health estimation based on swelling characteristics
WO 2017090978	LG CHEMICAL LTD	Battery pack status parallel monitoring device
WO 2017088719	BYD CO LTD	Power battery pack and electrical vehicle having the same
WO 2017056585	NEC ENERGY DEVICES LTD	Positive electrode active material, positive electrode and lithium ion secondary battery
WO 2017057123	NEC ENERGY DEVICES LTD	Negative electrode for lithium ion secondary batteries and lithium ion secondary battery
WO 2017061073	SHIN-ETSU CHEMICAL CO LTD	Negative electrode active material for non-aqueous electrolyte secondary battery, non-aqueous electrolyte secondary battery, method for producing negative electrode material for non-aqueous electrolyte secondary battery, and method for producing non-aqueous electrolyte secondary battery
WO 2017061030	FUJITSU LTD	Power transmission system and power transmitter
WO 2017063919	BOSCH GMBH ROBERT	Transportation means, device and method for determining a voltage of a cell of a string of multiple cells connected in series of an electro-chemical energy storage means
WO 2017069585	LG CHEMICAL LTD	Cable-type secondary battery
WO 2017056755	NEC CORP	Charge control device, charging device, charge control method, charge notification method, and program
WO 2017057012	HITACHI AUTOMOTIVE SYSTEMS LTD	Nonaqueous electrolytic solution secondary battery
WO 2017061807	LG CHEMICAL LTD	Battery cell comprising gelled electrolyte component in air pore of separation film constituting electrode assembly
WO 2017068907	NISSAN MOTOR	Electrode and manufacturing method therefor
WO 2017069586	LG CHEMICAL LTD	Cable-type secondary battery
WO 2017073457	NIPPON ELECTRIC GLASS CO	Positive electrode active material for sodium-ion secondary cell
WO 2017073258	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Power storage unit
WO 2017061708	LG CHEMICAL LTD	Battery module and battery pack comprising same

WO 2017061709	LG CHEMICAL LTD	Battery module and battery pack comprising same
WO 2017061746	LG CHEMICAL LTD	Battery module
WO 2017061830	LG CHEMICAL LTD	Method for measuring distribution of binder in electrode
WO 2017069397	LG CHEMICAL LTD	Secondary battery cartridge and battery module comprising same
WO 2017069404	LG CHEMICAL LTD	Cable-type secondary battery
WO 2017073765	UBE INDUSTRIES	Lithium-sodium-titanium complex oxide powder for electrode of storage device, active material, and electrode sheet and storage device using same
WO 2017055974	META SYSTEM SPA	Appliance for recharging batteries of electric vehicles or the like
WO 2017056991	KUREHA CORP	Sodium-ion secondary battery negative electrode carbonaceous material and sodium-ion secondary battery using thereof
WO 2017057207	HITACHI AUTOMOTIVE SYSTEMS LTD	Battery pack
WO 2017061123	GS YUASA INT LTD	Power storage element
WO 2017062950	UNIV RICE WILLIAM M	High surface area porous carbon materials as electrodes
WO 2017073021	NIPPON LIGHT METAL CO	Method for manufacturing cooling unit
WO 2017073238	SUMITOMO METAL MINING CO	Positive electrode active material for nonaqueous electrolyte secondary batteries, method for producing same, positive electrode mixture paste for nonaqueous electrolyte secondary batteries, and nonaqueous electrolyte secondary battery
WO 2017056984	NEC ENERGY DEVICES LTD	Method for producing negative electrode for lithium ion secondary batteries
WO 2017057323	GS YUASA INT LTD	Power storage element, method for manufacturing power storage element, current collector, and cover member
WO 2017067923	KREISEL ELECTRIC GMBH	Temperature-control device for a battery system
WO 2017067797	BOSCH GMBH ROBERT	Temperature control device of an electrical energy storage unit
WO 2017073164	BROTHER IND LTD	Electrode unit, battery and method for producing electrode unit
WO 2017080801	BOSCH GMBH ROBERT	Electrode unit for a battery cell and method for the examination of an electrode unit
WO 2017090423	DENSO CORP	Vehicle control device
WO 2017056906	SHOWA DENKO PACKAGING CO LTD	Power storage device
WO 2017056732	HITACHI AUTOMOTIVE SYSTEMS LTD	Battery control device and battery system
WO 2017079868	BOSCH GMBH ROBERT XU XIAOXIONG YAO XIAYIN PENG GANG ZHOU LONGJIE CHEN YUNHUA	Novel cathode and lithium ion rechargeable cells
WO 2017087403	UNIV CALIFORNIA	Lithium-excess cathode material and co-precipitation formation method
WO 2017061102	GS YUASA INT LTD	Nonaqueous electrolyte secondary battery and method for manufacturing nonaqueous electrolyte secondary battery
WO 2017069453	LG CHEMICAL LTD	Pouch-type battery cell comprising unit electrode having plurality of electrode taps
WO 2017073416	HITACHI AUTOMOTIVE SYSTEMS LTD	Power storage device
WO 2017079038	JOHNSON CONTROLS TECH CO	Hybrid battery control system architecture systems and methods
WO 2017056448	PANASONIC IP MAN CO LTD	Non-aqueous electrolyte secondary battery
WO 2017057082	HITACHI AUTOMOTIVE SYSTEMS LTD	Assembled battery
WO 2017068147	IMERYS GRAPHITE & CARBON SWITZERLAND LTD	Carbonaceous composite materials with snowball-like morphology
WO 2017077986	HITACHI LTD	Lithium ion secondary battery and method for manufacturing lithium ion secondary battery
WO 2017078108	HITACHI CHEMICAL CO LTD	Lithium-ion secondary cell

WO 2017064811	MITSUBISHI RAYON CO	Binder resin for secondary battery electrodes, binder resin composition for secondary battery electrodes using same, slurry for secondary battery electrodes, electrode for secondary batteries, and secondary battery
WO 2017073585	HITACHI LTD	Lithium ion secondary battery and method for producing lithium ion secondary battery
WO 2017073774	DAINIPPON PRINTING CO LTD	Battery packaging material, battery, battery packaging material manufacturing method, and aluminum alloy foil
WO 2017055158	BOSCH GMBH ROBERT	Elastic plates and battery cell assemblies including same
WO 2017056932	SHIN-ETSU CHEMICAL CO LTD	Method for using nonaqueous electrolyte secondary battery and negative electrode active material for nonaqueous electrolyte secondary batteries
WO 2017061064	SONY CORP	Battery, battery pack, electronic device, electric vehicle, power storage device and power system
WO 2017073682	SUMITOMO METAL MINING CO	Positive-electrode active material for non-aqueous electrolyte secondary cell, method for manufacturing said material, and non-aqueous electrolyte secondary cell
WO 2017077991	NISSAN MOTOR NAT UNIV CORP KYOTO UNIV	Zinc negative electrode material for secondary cell
WO 2017056451	PANASONIC IP MAN CO LTD	Method for manufacturing electrochemical device, and electrochemical device
WO 2017057691	NEC ENERGY DEVICES LTD	Electrochemical device and method for manufacturing same
WO 2017078265	LG CHEMICAL LTD	Battery module, battery pack including such battery module, and vehicle including such battery pack
WO 2017062197	ZHAMU ARUNA JANG BOR Z NANOTEK INSTRUMENTS INC	Continuous process for producing electrodes and alkali metal batteries having ultra-high energy densities
WO 2017065586	LG CHEMICAL LTD	Negative electrode active material and secondary battery including same
WO 2017078264	LG CHEMICAL LTD	Battery pack having reinforcing support members
WO 2017078249	LG CHEMICAL LTD	Battery pack and vehicle including such battery pack
WO 2017057588	UBE INDUSTRIES	Non-aqueous electrolyte for lithium secondary cell or lithium-ion capacitor, and lithium secondary cell or lithium-ion capacitor in which same is used
WO 2017057924	LG CHEMICAL LTD	Battery module having improved cooling duct sealing properties
WO 2017064842	GS YUASA INT LTD	Nonaqueous electrolyte secondary battery
WO 2017069058	DAIKIN IND LTD	Electrolytic solution, electrochemical device, lithium-ion secondary cell, and module
WO 2017078107	MITSUI CHEMICALS INC GS YUASA INT LTD	Nonaqueous electrolyte solution for secondary batteries, and secondary battery
WO 2017057900	LG CHEMICAL LTD	Cathode active material for secondary battery and secondary battery comprising same
WO 2017065384	LG CHEMICAL LTD	Battery module and battery pack including same
WO 2017065417	LG CHEMICAL LTD	Pouch-type battery cell including electrode lead of bending structure
WO 2017074081	HIM&A KOREA CO LTD JANG SEUNG TAE YU DONG HYUN	Siox-fullerene complex, preparation method therefor, preparation apparatus therefor, and use thereof
WO 2017077689	SONY CORP	Battery, battery pack, electronic equipment, electric vehicle, power storage device, and power system
WO 2017078437	LG CHEMICAL LTD	Pouch cladding for secondary battery
WO 2017054049	RELECTRIFY PTY LTD	Battery system
WO 2017056449	PANASONIC IP MAN CO LTD	Nonaqueous electrolyte secondary battery
WO 2017056316	NISSAN MOTOR	Electric vehicle information collection system, electric vehicle information transmission device, and electric vehicle information collection method
WO 2017065030	SUMITOMO WIRING SYSTEMS	Battery wiring module
WO 2017073075	SHARP KK	Metal-ion rechargeable cell or battery
WO 2017055161	BOSCH GMBH ROBERT	Elastic bellows and battery cell assemblies including same
WO 2017065504	EMW ENERGY CO LTD	Air-zinc battery assembly

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SUPERCONDENSADORES

Nº PUBLICACIÓN	SOLICITANTE	Contenido técnico
WO 2017096464	BLUE SOLUTIONS CANADA INC	Battery protection device
WO 2017094826	ISUZU MOTORS LTD	Hybrid vehicle and method for controlling same
WO 2017057602	OSAKA SODA CO LTD	Gel electrolyte composition
WO 2017063858	VW-VM FORSCHUNGSGESELLSCHAFT MBH & CO KG	Cell module for storing electrical energy, battery and housing
WO 2017061076	PANASONIC IP MAN CO LTD	Film capacitor and method for manufacturing film capacitor
WO 2017057122	KYOCERA CORP	Film capacitor, coupled-type capacitor, inverter, and electric vehicle

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SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

Nº PUBLICACIÓN	SOLICITANTE	Contenido técnico
WO 2017098799	DENSO CORP	Vehicle control device
WO 2017086471	ISUZU MOTORS LTD	Hybrid vehicle and control method therefor
WO 2017090504	MITSUBISHI HEAVY IND LTD	Brake control device, brake control method, train, and program
WO 2017084977	BAYERISCHE MOTOREN WERKE AG	Changing thrust recuperation in a motor vehicle with at least one electric machine
WO 2017086420	ISUZU MOTORS LTD	Hybrid vehicle and control method for same
WO 2017092370	BEIQI FOTON MOTOR CO LTD	Vehicle auxiliary braking method, system and vehicle
WO 2017086435	ISUZU MOTORS LTD	Regenerative power amount control system for hybrid vehicle, hybrid vehicle, and regenerative power amount control method for hybrid vehicle
WO 2017061197	MITSUBISHI MOTORS CORP	Regenerative braking control device for electric vehicle
WO 2017066703	ENERG2 TECH INC FREDRICK SARAHSAKSHAUG AVERY KRON BENJAMIN E HUBBLE DION COSTANTINO HENRY R FEAVER AARON M THOMPkins LEAH A ALSPAUGH VIRGINIA KATHERINE HAMILTON PHIL GERAMITA KATHARINE MEKELBURG COREY REUTER FRANK GROSE JACOB EBENSTEIN VON BENTEN REBEKKA	Low-gassing carbon materials for improving performance of lead acid batteries
WO 2017057441	ADVICS CO LTD TOYOTA MOTOR CO LTD	Braking device for vehicle
WO 2017090424	DENSO CORP	Vehicle control device
WO 2017071446	BYD CO LTD	Active safety control system and method for vehicle
WO 2017077808	DENSO CORP	Vehicle control device
WO 2017056541	YAMAHA MOTOR CO LTD	Electric vehicle
WO 2017070403	LINEAR LABS INC	A circumferential flux electric machine with field weakening mechanisms and methods of use

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MÁQUINAS ELÉCTRICAS

Nº PUBLICACIÓN	SOLICITANTE	Contenido técnico
WO 2017089059	JAGUAR LAND ROVER LTD	Controller for a motor vehicle and method
WO 2017089060	JAGUAR LAND ROVER LTD	Controller for a motor vehicle and method
WO 2017097500	BAYERISCHE MOTOREN WERKE AG	Rotor, method for producing a rotor, asynchronous machine, and vehicle
WO 2017095695	FARADAY & FUTURE INC	Detecting position measurement errors in an electric motor system
WO 2017098993	FURUKAWA ELECTRIC CO LTD FURUKAWA MAGNET WIRE CO LTD	Insulated wire, coil and electrical/electronic device
WO 2017097503	BAYERISCHE MOTOREN WERKE AG	Rotor, method for producing a rotor, asynchronous machine, and vehicle
WO 2017097501	BAYERISCHE MOTOREN WERKE AG	Rotor, method for producing a rotor, asynchronous machine and vehicle
WO 2017061972	TOFAS TURK OTOMOBIL FABRIKASI AS	A high efficiency heat pump for electric vehicles
WO 2017090648	ISUZU MOTORS LTD	Hybrid vehicle and method for controlling same
WO 2017094853	ISUZU MOTORS LTD	Hybrid vehicle and method for controlling same
WO 2017076811	SHELL INT RESEARCH SHELL OIL CO	Fuel composition
WO 2017094841	ISUZU MOTORS LTD	Hybrid vehicle and control method therefor
WO 2017080001	CRRG DALIAN R&D CO LTD	Electric transmission system and control method therefor
WO 2017086148	ALPS ELECTRIC CO LTD	Dust core and method for producing same
WO 2017090479	JATCO LTD	Electric-vehicle control device and control method
WO 2017094772	AISIN SEIKI	Vehicle, and control device and control method therefor
WO 2017101924	SCHAEFFLER TECHNOLOGIES AG	Decoupled centrifugal pendulum for a device for transmitting torque
WO 2017086146	ALPS ELECTRIC CO LTD UNIV TOHOKU	Production method of magnetic powder
WO 2017076684	BAYERISCHE MOTOREN WERKE AG	Rotary machine and motor vehicle
WO 2017082023	EXEDY CORP	Dynamo-electric machine
WO 2017061126	KYUSHU INST OF TECH NEC TOKIN CORP	Rare-earth cobalt-based permanent magnet
WO 2017062292	AGTECH IND LLC	System and method for efficient installation, configuration, data acquisition and management of in- field agricultural data
WO 2017073172	EXEDY CORP	Rotary electric machine
WO 2017073144	MITSUBISHI ELECTRIC CORP	Drive system and drive control method
WO 2017057576	NTN TOYO BEARING CO LTD	In-wheel motor drive device
WO 2017075254	FARADAY&FUTURE INC	Interior magnet machine design with low core losses
WO 2017073275	HITACHI AUTOMOTIVE SYSTEMS LTD	Magnet type rotor, rotary electric machine provided with magnet type rotor, and electric automobile provided with rotary electric machine
WO 2017056910	AISIN AW CO	Control device
WO 2017069041	EXEDY CORP	Vehicle drive device, and vehicle
WO 2017069040	EXEDY CORP	Motive power transmission device for vehicles, and motive power transmission system for vehicles
WO 2017057190	AISIN AW CO	Vehicular drive device
WO 2017068946	HITACHI METALS LTD	R-t-b based sintered magnet manufacturing method and r-t-b based sintered magnet
WO 2017090630	ISUZU MOTORS LTD	Hybrid vehicle and control method therefor
WO 2017056829	NTN TOYO BEARING CO LTD	In-wheel motor drive device
WO 2017057896	LG INNOTEK CO LTD	Motor and brake device comprising same
WO 2017057757	AISIN AW CO	Control device
WO 2017065408	SSANGYONG MAT CORP	Ferrite magnetic material and ferrite sintered magnet

WO 2017067644	BERGISCHE UNIVERSITÄT WUPPERTAL	Electro drive system
WO 2017077830	NISSAN MOTOR UNIV OSAKA	Grain boundary reforming method for nd-fe-b-based magnet, and grain boundary reformed body processed by the method
WO 2017057070	NTN TOYO BEARING CO LTD	Electric vehicle drive device
WO 2017061244	MITSUBISHI ELECTRIC CORP	Rotating electric machine
WO 2017077813	KK KOBE SEIKO SHO (KOBELTD)	Axial-gap rotating electric machine
WO 2017073643	FURUKAWA ELECTRIC CO LTD FURUKAWA MAGNET WIRE CO LTD	Insulated wire, method for producing insulated wire, coil, dynamo-electric machine and electrical/electronic device
WO 2017056383	JFE STEEL CORP	Non-oriented electromagnetic steel sheet and manufacturing method of same
WO 2017065265	DENSO CORP	Control device and control method for hybrid vehicle
WO 2017064938	EXEDY CORP	Dynamo-electric machine
WO 2017058977	CATERPILLAR INC	Induction motor for a work machine
WO 2017063832	CONTINENTAL AUTOMOTIVE GMBH	Vehicle electrical system
WO 2017064568	GLOBE INT NOMINEES PTY LTD	Motorized wheel assembly with quick release

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CONVERTIDORES, INVERSORES

Nº PUBLICACIÓN	SOLICITANTE	Contenido técnico
WO 2017093080	BOSCH GMBH ROBERT	Method for the operating point-related controlling of the switching rate in an inverter
WO 2017099191	DENSO CORP	Signal transfer circuit
WO 2017104544	DENSO CORP	Control system for power conversion device
WO 2017104304	HITACHI AUTOMOTIVE SYSTEMS LTD	Power conversion device
WO 2017104339	DENSO CORP	Power supply device
WO 2017089712	RENAULT SAS	System for controlling the electrical supply of an electric automotive vehicle furnished with at least two electric traction machines
WO 2017093273	ABB SCHWEIZ AG	Power converter
WO 2017097586	BOSCH GMBH ROBERT	Method and device for controlling a galvanically isolated dc converter
WO 2017104561	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Coil assembly and circuit structure
WO 2017098895	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Wire harness
WO 2017098756	NGK INSULATORS LTD	Group 13 nitride crystal substrate and functional element
WO 2017058631	CRYNAMT MAN LLC	Converter architecture
WO 2017102296	BOSCH GMBH ROBERT	Voltage converter, electric drive system and method for reducing interference voltages
WO 2017083527	UNIV MARQUETTE	An on-line diagnostic method for switch faults in power converters
WO 2017083521	UNIV MARQUETTE	A fault-tolerant topology for multilevel t-type converters
WO 2017086201	AISIN AW CO	Electric power conversion device
WO 2017064076	CONTI TEMIC MICROELECTRONIC GMBH	Method and circuit arrangement for controlling a semiconductor switch, and inverter
WO 2017103429	ELECTRICITE DE FRANCE	Improved recharging device for recharging electrical equipment, in particular an electric vehicle
WO 2017093116	AUDI AG ABB SCHWEIZ AG	Electronic power module
WO 2017094370	ROHM CO LTD	Power module apparatus, cooling structure, and electric car or hybrid car
WO 2017086310	AISIN AW CO	Electric power conversion device
WO 2017094670	MITSUBISHI ELECTRIC CORP	Semiconductor device
WO 2017061249	SUMITOMO WIRING SYSTEMS	Connector
WO 2017072870	MITSUBISHI ELECTRIC CORP	Power conversion device
WO 2017072895	MITSUBISHI ELECTRIC CORP	Power conversion device for vehicle
WO 2017061817	LG ELECTRONICS INC UNIV SEOUL NAT R & DB FOUND	Motor driving apparatus and home appliance comprising same
WO 2017065750	NISSAN MOTOR VIRGINIA TECH INTELLECTUAL PROPERTIES INC	Power converter
WO 2017069333	WORLD TOPTEC CO LTD	Dc/dc converter using multi-topology
WO 2017057087	KK TOSHIBA	Power converter
WO 2017064220	VALEO SYSTEMES DE	Insulated dc/dc converter

	CONTROLE MOTEUR	
WO 2017073319	AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Battery module and electric device connection structure
WO 2017077596	MITSUBISHI ELECTRIC CORP	Vehicular motor control device and vehicular motor control method
WO 2017061693	SAMSUNG ELECTRONICS CO LTD	Motor driving device, method for controlling motor driving device, inverter device, and power device
WO 2017065350	WORLD TOPTEC CO LTD	Dc/dc converter having coupling inductor and snubber circuit
WO 2017074849	FARADAY&FUTURE INC	Method and system for overcurrent protection for insulated-gate bipolar transistor (igbt) modules
WO 2017074804	FARADAY & FUTURE INC	Methods and systems for interconnecting parallel igbt modules
WO 2017058664	FARADAY & FUTURE INC	Integrated drive and motor assemblies

[...volver a CONTENIDO](#)

RECARGA DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	Contenido técnico
WO 2017087038	JOHNSON CONTROLS TECH CO	Systems and methods for visualizing battery data
WO 2017092949	BOSCH GMBH ROBERT	Monitoring device for monitoring an inductive energy transmission device
WO 2017096208	CYBER SWITCHING SOLUTIONS INC	An electric vehicle charging system
WO 2017108199	SEW-EURODRIVE GMBH & CO KG	System for inductive transmission of electrical power to vehicles and method for operating a system
WO 2017089014	BOSCH GMBH ROBERT	Charging station, charging device, and charging system for inductively charging an energy store, and method for inductively charging an energy store
WO 2017084697	VOLVO TRUCK CORP	A method for detecting an upcoming road situation for a vehicle
WO 2017101848	BYD CO LTD	Electric vehicle and vehicle-mounted charger and method for controlling the same
WO 2017108570	BAYERISCHE MOTOREN WERKE AG	Method and charging apparatus for charging a traction energy storage device of an electrically driven vehicle
WO 2017092999	BLUETRAM	Recharging station for electric public transport vehicle, and facility comprising such a station
WO 2017096216	CYBER SWITCHING SOLUTIONS INC	An electric vehicle charging method
WO 2017084924	BLUEBUS	Method and system for consigning an electric vehicle with respect to a dangerous electrical signal
WO 2017092950	BOSCH GMBH ROBERT	Method for operating a monitoring device for monitoring an inductive energy transmission device
WO 2017060006	BAYERISCHE MOTOREN WERKE AG	Optimising charge/discharge plans for electric vehicles
WO 2017060387	MAGMENT UG (HAFTUNGSBESCHRÄNKT)	Arrangement for inductively supplying energy to electric or hybrid vehicles
WO 2017102113	BOSCH GMBH ROBERT	Monitoring apparatus for an inductive charging system, and inductive charging system
WO 2017086174	OMRON TATEISI ELECTRONICS CO	Battery reservation device and battery reservation method
WO 2017086714	FOUND OF SOONGSIL UNIVERSITY-INDUSTRY COOP	Resonant converter for wireless charger, and method for implementing same
WO 2017092953	BOSCH GMBH ROBERT	Monitoring device for monitoring an energy transmission unit
WO 2017102155	RWE AG	Safety module, and charging station provided with a safety module
WO 2017061863	BRAINWAVE B V	Underground power supply system, in particular an underground vehicle charging station and a method to charge an electric vehicle
WO 2017083259	FARADAY&FUTURE INC	Vehicle charging systems and methods
WO 2017086168	OMRON TATEISI ELECTRONICS CO	Remaining battery capacity display device, battery system and remaining battery capacity display method
WO 2017086161	OMRON TATEISI ELECTRONICS CO	Battery reservation device
WO 2017076542	BOSCH GMBH ROBERT	Method for inductive energy transmission and device for operating an inductive energy transmission device
WO 2017081846	SANYO ELECTRIC CO	Power supply system
WO 2017102414	BOSCH GMBH ROBERT	Charging circuit and charging method for an electrical energy storage system
WO 2017081382	RENAULT SAS	Contactless charging method for a battery of a motor vehicle in motion, and corresponding system
WO 2017094431	OMRON TATEISI ELECTRONICS CO	Battery charging device, battery charging system and battery charging method
WO 2017071854	BAYERISCHE MOTOREN WERKE AG	Method for operating a system for supplying a vehicle with electrical energy and system
WO 2017073938	KOREA UNIV OF TECH AND EDUCATION INDUSTRY-UNIV COOP FOUND CHUN YANG-BAE	Core structure for power supply device of electric vehicle

	KANG SEONG-JOO	
WO 2017062130	QUALCOMM INC	Method and apparatus for detecting metallic objects in a predetermined space via inductive kinematic sensing
WO 2017066061	REVITALIZE CHARGING SOLUTIONS INC	Apparatus and method for dual automobile electric charger
WO 2017076535	AUTO-KABEL MAN GMBH	Multi-voltage onboard electric system and multilayer cable for different voltage levels
WO 2017076545	BOSCH GMBH ROBERT	Device for cooling an electric plug-in connection
WO 2017083630	RIVIAN IP HOLDINGS LLC	Systems and methods for monitoring and enhancing utilization of batteries for electric vehicles
WO 2017064184	BOMBARDIER PRIMOVE GMBH	Receiving device for receiving an electromagnetic field and for producing an alternating electric current by magnetic induction, method of operating the receiving device and method of manufacturing the receiving device
WO 2017084928	BLUEBUS	Electrical socket and plug for recharging an electric vehicle
WO 2017064325	BOMBARDIER PRIMOVE GMBH	Voltage and current compensation in an inductive power transfer unit
WO 2017070645	MTD PRODUCTS INC	Portable charging station
WO 2017054858	VOLVO TRUCK CORP	A charging device for a vehicle
WO 2017081050	PHOENIX CONTACT E-MOBILITY GMBH	High-voltage contact element comprising a fluid channel for coolant
WO 2017079041	JOHNSON CONTROLS TECH CO	Cell control unit fault detection systems and methods
WO 2017056791	NEC CORP	Charging control device, charging time carry-forward method, and program
WO 2017056161	HONDA MOTOR CO LTD	Heating control device
WO 2017061188	FUJI ELECTRIC CO LTD	Vehicle-mounted charging device
WO 2017066790	CALIFORNIA INSTITUTE OF TECH	Adaptive charging algorithms for a network of electric vehicles
WO 2017078880	QUALCOMM INC	Methods and apparatus for thermal dissipation in vehicle pads for wireless power transfer applications
WO 2017056162	HONDA MOTOR CO LTD	Power consumption control device
WO 2017064157	PHOENIX CONTACT E-MOBILITY GMBH	Electric cable comprising a fluid conduit for cooling
WO 2017067645	AMBIBOX GMBH	Actuator element, system with actuator element, energy supply unit for a vehicle on-board power system, air-conditioning device, voltage supply for electronic circuits, system for supplying energy to computing centre units, direct voltage charging device for electric vehicles
WO 2017076063	BEIQI FOTON MOTOR CO LTD	Charging control system and method for electric vehicle, and electric vehicle
WO 2017077646	MITSUBISHI ELECTRIC CORP	Electric vehicle power supply system
WO 2017056685	HITACHI AUTOMOTIVE SYSTEMS LTD	Charging control device
WO 2017063561	BEIJING ELECTRIC VEHICLE CO LTD	Electric vehicle, and high voltage system, detection method, and pre-charging circuit thereof
WO 2017077765	SONY CORP	Power storage device, power storage device assembly, electrical/electronic device, electric moving means and electrical power system, and method of assembling power storage device assembly
WO 2017070227	WITRICITY CORP	Foreign object detection in wireless energy transfer systems
WO 2017077199	PARKKISÄHKÖ OY	Arrangement for charging electric vehicles, and method for installing the same

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CAMBIO DE BATERÍAS

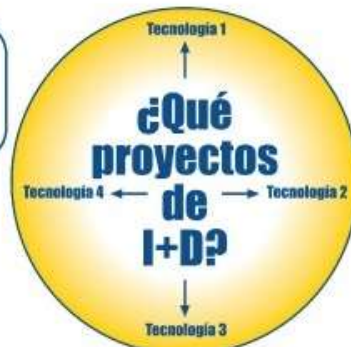
Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2017064582	GRUPO BIMBO SAB DE CV	System for supplying and exchanging a battery bank in an electric vehicle for commercial use

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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.



EJECUCIÓN



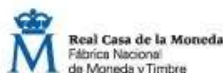
Los ITPs** de la OEPM detectaron solicitudes de patente relevantes cuando estábamos a mitad del proyecto y gracias a ello pudimos reconducir nuestra investigación.



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.



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