

Noticias

El 23 de septiembre apareció publicada en el [BOE](#) la convocatoria de ayudas a proyectos singulares en materia de movilidad sostenible (Programa MOVES Proyectos Singulares).

Dichas ayudas están dotadas con 15 millones de euros y son compatibles con el resto de ayudas a la compra de coches eléctricos e instalación de puntos de recarga.

Las ayudas están destinadas a apoyar proyectos innovadores que presenten alternativas para dar con un modelo de movilidad sostenible, tales como:

- Promoción de la movilidad peatonal.
- Nueva Política de aparcamiento.
- Promoción y actuaciones en transporte público.
- Promoción del uso compartido del coche.
- Reordenación y Diseño Urbano.
- Actuaciones para promover la movilidad sostenible de última milla.
- Campañas de concienciación en movilidad sostenible.
- Proyectos de desarrollo tecnológico y desarrollos experimentales (proyectos piloto, prototipos, productos o servicios nuevos o mejorados).

Pueden acceder al plan las personas jurídicas que realice una inversión mínima de 100.000 euros, como diputaciones, cabildos insulares, Ayuntamientos, la

Administración Autonómica, empresas públicas o privadas, universidades o centros de investigación.

Las solicitudes pueden cursarse desde el día 24 de septiembre de 2019 y se ejecutarán en un plazo máximo de 18 meses.

El 23 y 24 de Octubre tuvo lugar en el Auditorio Duque de Pastrana (Madrid) el [5º Congreso Europeo del Vehículo Eléctrico](#) organizado por la Asociación Empresarial para el Desarrollo e Impulso del Vehículo Eléctrico (AEDIVE).

A dicho evento acudieron, entre otras personalidades, D. Pedro Saura García, Secretario de Estado de Infraestructuras, Transporte y Vivienda, Dª Paloma Martín, Consejera de MMAA, Sostenibilidad y Ordenación del Territorio de la Comunidad de Madrid, D. Galo Gutiérrez, Director General de Industria y PYME, Clara de la Torre, Directora General adjunta en DG CLIMA, CE, D. Miguel Arias Cañete, Comisario Europeo de Acción por el Clima y Energía, así como representantes de grandes multinacionales como SIEMENS, ALSTOM, REPSOL, IBERDROLA, PSA, etc.

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

[BOLETINES OEPM](#)

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 2019126996 A1	SUGON DATAENERGY BEIJING CO LTD	Immersion cooling device for power battery
WO 2019131547 A1	SHOWA DENKO KK	Lithium ion secondary battery
WO 2019135487 A1	LG CHEMICAL LTD	Battery management system and method for optimizing internal resistance of battery
WO 2019164371 A1	LG CHEMICAL LTD	Gasket for secondary battery and secondary battery comprising same
WO 2019171436 A1	HITACHI CHEMICAL CO LTD	Electrochemical device
WO 2019176047 A1	CONNEXX SYSTEMS CORP	Battery system, moving body management system and photovoltaic power generation device management system equipped with same, and combined battery
WO 2019131492 A1	GS YUASA INT LTD	Power storage element
WO 2019131481 A1	GS YUASA INT LTD	Electricity storage element
WO 2019132460 A1	LG CHEMICAL LTD	Lithium metal secondary battery and manufacturing method therefor
WO 2019134138 A1	SZ DJI TECHNOLOGY CO LTD	Non-smart battery authentication method, device and storage medium
WO 2019134700 A1	BYD CO LTD	Battery cell, battery module and automobile
WO 2019134891 A1	BOSCH GMBH ROBERT	Method and management system for controlling and monitoring a plurality of battery cells in a battery pack, and battery pack
WO 2019162439 A1	KLOSE & OECHSLE GMBH	Vehicle battery module
WO 2019166504 A1	REINZ DICHTUNG GMBH	Temperature-control plate, battery system and electronic component
WO 2019167318 A1	TOYOTA JIDOSHOKKI KK	Power storage module
WO 2019168284 A1	LG CHEMICAL LTD	Cylindrical secondary battery having structure for shielding laser beam for welding, and battery pack comprising same
WO 2019166641 A1	BOSCH GMBH ROBERT	Battery and method for producing a battery
WO 2019171942 A1	MAXELL HOLDINGS LTD	Electrochemical element negative electrode, and lithium ion secondary cell
WO 2019172353 A1	ISUZU MOTORS LTD	Cell balance control device and cell balance control system
WO 2019177275 A1	LG CHEMICAL LTD	Battery module, battery pack comprising battery module and vehicle comprising battery pack
WO 2019132267 A1	POSCO ES MAT CO LTD	Positive electrode active material precursor for lithium secondary battery, positive electrode active material using same, and lithium secondary battery comprising same
WO 2019132137 A1	LG CHEMICAL LTD	System and method for manufacturing secondary battery
WO 2019164779 A1	WITRICITY CORP	Fault detection and monitoring methods for safe operation of a wireless electric vehicle charging system
WO 2019166241 A1	GRAENGES ALUMINIUM SHANGHAI CO LTD	Watercold plate for battery module
WO 2019166733 A1	COMMISSARIAT ENERGIE ATOMIQUE	Supply module for electric vehicle motor
WO 2019171688 A1	PANASONIC IP MAN CO LTD	Remaining capability evaluation method for secondary battery, remaining capability evaluation program for secondary battery, computation device, and remaining capability evaluation system
WO 2019172661 A1	LG CHEMICAL LTD	Method for manufacturing negative electrode
WO 2019175707 A1	SEMICONDUCTOR ENERGY LAB	Charge state estimation apparatus for secondary battery, abnormality detection apparatus for secondary battery, abnormality detection method for secondary battery, and management system for secondary battery
WO 2019176422 A1	SANYO ELECTRIC CO	Secondary battery
WO 2019177274 A1	LG CHEMICAL LTD	Auxiliary battery accommodating device for electric vehicle
WO 2019135532 A1	LG CHEMICAL LTD	Separator for secondary battery, and electrochemical device to which same is applied

Oficina Española de Patentes y Marcas
Unidad de Información Tecnológica

WO 2019161876 A1	PORSCHE AG	Mechanical and thermal system for a modular battery with power electronics components
WO 2019162598 A1	ARKEMA FRANCE	Use of 2,3,3,3-tetrafluoropropene for maintaining the temperature of a battery of an electric or hybrid vehicle
WO 2019167813 A1	MITSUBISHI GAS CHEMICAL CO	Ion conductor containing Li ₂ B ₁₂ H ₁₂ and LiBH ₄ , method for producing same, and solid electrolyte for all-solid-state batteries, which contains said ion conductor
WO 2019166335 A1	BAYERISCHE MOTOREN WERKE AG	Battery module for a battery of a motor vehicle, and battery for a motor vehicle
WO 2019169080 A1	SHAPE CORP	Cooling system integrated with vehicle battery tray
WO 2019173661 A1	DARAMIC LLC	Lead acid battery separators and related methods
WO 2019171662 A1	SANYO ELECTRIC CO	Management device and electricity storage system
WO 2019176192 A1	HONDA MOTOR CO LTD	Management system, management method, power device, vehicle-mounted device, and management server
WO 2019135595 A1	LG CHEMICAL LTD	Battery pack
WO 2019166732 A2	COMMISSARIAT ENERGIE ATOMIQUE	Power supply module for electric vehicle motor with heat transfer
WO 2019172515 A1	LG CHEMICAL LTD	Charging/discharging device, having reduced temperature difference, for secondary battery formation process
WO 2019130958 A1	HITACHI AUTOMOTIVE SYSTEMS LTD	Electrolyte solution for lithium ion secondary battery
WO 2019135527 A1	LG CHEMICAL LTD	Separator comprising CMC, particulate binder, and soluble binder
WO 2019162599 A1	ARKEMA FRANCE	Use of 2,3,3,3-tetrafluoropropene for preheating a battery of an electric or hybrid vehicle
WO 2019166505 A1	REINZ DICHTUNG GMBH	Tempering plate, battery system and electronic component
WO 2019166150 A1	BOSCH GMBH ROBERT	Method and device for the flow production of electrodes for a battery
WO 2019171434 A1	HITACHI CHEMICAL CO LTD	Electrochemical device
WO 2019171698 A1	TOYOTA JIDOSHOKKI KK	Power storage device
WO 2019172545 A1	LG CHEMICAL LTD	Battery module, battery pack including same battery module, and automobile including same battery pack
WO 2019172567 A1	LG CHEMICAL LTD	Unit cell alignment device and electrode assembly manufacturing method using same
WO 2019130783 A1	PANASONIC IP MAN CO LTD	Secondary battery
WO 2019139041 A1	MAZDA MOTOR	Electrolyte solution for lithium ion secondary battery, and lithium ion secondary battery
WO 2019139293 A1	LG CHEMICAL LTD	Secondary battery charging-discharging device and secondary battery activation process device comprising same
WO 2019143156 A1	LG CHEMICAL LTD	Separator and electrochemical device including same
WO 2019145542 A1	BOSCH GMBH ROBERT	Battery cell
WO 2019145642 A1	VALEO SYSTEMES THERMIQUES	Heat exchanger, particularly for the thermal regulation of batteries
WO 2019150061 A1	VALEO SYSTEMES THERMIQUES	Device for regulating the temperature of a battery or an electronic power device
WO 2019156514 A1	NAT UNIV GYEONGSANG IACF	Sulfur powder, sulfur electrode, battery comprising same, and manufacturing method therefor
WO 2019156158 A1	NAGOYA INSTITUTE OF TECH	Solid electrolyte
WO 2019159146 A1	ALFAZERO S P A	Method of assembling a battery pack for an electric vehicle, battery pack and electric vehicle comprising said battery pack
WO 2019163689 A1	PANASONIC IP MAN CO LTD	Cooling device for secondary battery, and vehicle
WO 2019168352 A1	LG CHEMICAL LTD	Anode active material, preparation method therefor, and anode and lithium secondary battery, which include anode active material
WO 2019138385 A1	KASHYAP AKSHAY	A battery pack for cooling cell batteries
WO 2019143029 A1	LG CHEMICAL LTD	Battery module housing having easily reusable, recyclable, and reworkable adhesion structure and battery module comprising same
WO 2019158466 A1	MAHLE INT GMBH	Temperature control device for controlling the temperature of a battery cell module of an electrical energy supply device
WO 2019163756 A1	MURATA MANUFACTURING CO	Solid-state battery
WO 2019164974 A1	NIO USA INC	Uniform current density tapered busbar

WO 2019163755 A1	MURATA MANUFACTURING CO	Solid-state battery
WO 2019164313 A1	LG CHEMICAL LTD	Positive electrode active material for secondary battery, preparation method therefor, and lithium secondary battery comprising same
WO 2019168301 A1	LG CHEMICAL LTD	Positive electrode active material for secondary battery, preparation method therefor, and lithium secondary battery comprising same
WO 2019167475 A1	PANASONIC IP MAN CO LTD	Charging method of non-aqueous electrolyte secondary battery, and charging system of non-aqueous electrolyte secondary battery
WO 2019170185 A1	HAERING THOMAS	Battery storage system
WO 2019170274 A1	HIGH PERFORMANCE BATTERY TECH GMBH	Solid ionic conductor for rechargeable electrochemical battery cells
WO 2019130774 A1	PANASONIC IP MAN CO LTD	Battery management device, battery system, and vehicle power supply system
WO 2019138286 A1	SEMICONDUCTOR ENERGY LAB	Abnormality detection device for secondary battery, abnormality detection method, and program
WO 2019138724 A1	PANASONIC IP MAN CO LTD	Secondary battery and electrolyte solution
WO 2019145652 A1	COMMISSARIAT ENERGIE ATOMIQUE	Electric storage cell module and battery comprising a plurality of modules
WO 2019164164 A1	SK INNOVATION CO LTD	Electrolytic solution for lithium secondary battery, and lithium secondary battery comprising same
WO 2019167493 A1	PANASONIC IP MAN CO LTD	Charging method of non-aqueous electrolyte secondary battery, and charging system of non-aqueous electrolyte secondary battery
WO 2019169563 A1	SHENZHEN QIANHAI YOURONG TECH LTD	Battery pack and electric vehicle
WO 2019131725 A1	MITSUI MINING & SMELTING CO	Solid electrolyte
WO 2019138184 A1	VALEO SYSTEMES THERMIQUES	Thermal treatment system for an electric or hybrid vehicle
WO 2019139022 A1	PANASONIC IP MAN CO LTD	Cooling device and battery system
WO 2019139280 A1	LG CHEMICAL LTD	Battery pack including release paper cover
WO 2019139097 A1	FUJIMORI KOGYO CO	Battery pack and electric device
WO 2019156561 A1	TNO	Thermistors on flexible layers and its use for temperature measurements within a battery pack
WO 2019160220 A1	INNOMETRY CO LTD	High speed stack manufacturing apparatus for prismatic secondary battery
WO 2019163882 A1	AIST	Electrolytic solution for nonaqueous secondary battery and nonaqueous secondary battery
WO 2019164319 A1	LG CHEMICAL LTD	Anode for lithium secondary battery, manufacturing method therefor, and lithium secondary battery comprising anode for lithium secondary battery
WO 2019168160 A1	TODA KOGYO CORP	Li-Ni composite oxide particle powder and nonaqueous electrolyte secondary battery
WO 2019139235 A1	SAMSUNG SDI CO LTD	Battery pack
WO 2019137670 A1	AUDI AG	Battery, particularly for a motor vehicle, and method for operating a battery
WO 2019139272 A1	LG CHEMICAL LTD	Battery case comprising gas adsorption layer
WO 2019139282 A1	LG CHEMICAL LTD	Electrode assembly comprising plastic member applied to electrode tab-lead joint part and secondary battery containing same
WO 2019147244 A1	ARTUR DU PLESSIS GREGOIRE	Equalizer overload management
WO 2019149478 A1	SIEMENS AG	Energy storage arrangement
WO 2019159598 A1	HITACHI AUTOMOTIVE SYSTEMS LTD	Battery control apparatus
WO 2019160334 A1	LG CHEMICAL LTD	Secondary battery and battery pack comprising same
WO 2019160333 A1	LG CHEMICAL LTD	Terminal case having improved secondary battery state estimation function
WO 2019164347 A1	LG CHEMICAL LTD	Negative electrode active material for lithium secondary battery, negative electrode containing same for lithium secondary battery, and lithium secondary battery
WO 2019163681 A1	HONDA MOTOR CO LTD	Battery station management system and battery station management method

WO 2019164343 A1	LG CHEMICAL LTD	Secondary battery
WO 2019163209 A1	HONDA MOTOR CO LTD	Vehicle control system, vehicle control method, and program
WO 2019164130 A1	SAMSUNG SDI CO LTD	Separator, method for manufacturing same, and lithium battery including same
WO 2019175307 A1	ABB SCHWEIZ AG	Battery cell arrangement
WO 2019173891 A1	TESLA MOTORS CANADA ULC	Novel battery systems based on two-additive electrolyte systems including 1,2,6-oxodithiane-2,2,6,6-tetraoxide
WO 2019131825 A1	FUTURE SCIENCE RES INC	Secondary battery management device, secondary battery, and secondary battery management program
WO 2019132332 A1	POSCO	Cathode active material for lithium secondary battery, production method therefor, and lithium secondary battery comprising same
WO 2019136336 A1	CHANGS ASCENDING ENTPR CO LTD	Battery module system and method
WO 2019139098 A1	FUJIMORI KOGYO CO	Battery pack and electrically driven motor device
WO 2019139397 A1	LG CHEMICAL LTD	Cathode slurry composition, cathode manufactured using same, and battery including same
WO 2019143047 A1	LG CHEMICAL LTD	Cathode active material for lithium secondary battery, production method therefor, cathode for lithium secondary battery comprising same, and lithium secondary battery comprising same
WO 2019142550 A1	HITACHI AUTOMOTIVE SYSTEMS LTD	Secondary battery system
WO 2019150028 A1	VALEO SYSTEMES THERMIQUES	Temperature control device forming the cover of a battery pack
WO 2019160232 A1	LG CHEMICAL LTD	Device for estimating state of secondary battery, and battery pack comprising same
WO 2019161751 A1	NINGBO GEELY AUTOMOBILE RES & DEVELOPMENT CO LTD	Electrical battery system
WO 2019163573 A1	PANASONIC IP MAN CO LTD	Battery managing system, battery managing method, and terminal device
WO 2019138425 A1	RAMANUJAN KADAMBI SARANGAPANI	Networked battery for high energy applications
WO 2019142060 A1	IBM	Rechargeable metal halide battery
WO 2019146705 A1	CENTRAL GLASS CO LTD	Electrolyte for non-aqueous electrolyte battery, and non-aqueous electrolyte battery using said electrolyte
WO 2019145976 A1	IVROOM POWER PRIVATE LTD	Systems and methods for monitoring the health of multi-cell batteries
WO 2019147075 A1	NS CO LTD	Injection nozzle assembly, and apparatus and method for manufacturing secondary battery using same
WO 2019151813 A1	LG CHEMICAL LTD	Anode active material, anode comprising same, and lithium secondary battery
WO 2019151741 A1	SAMSUNG SDI CO LTD	Tube assembly for fluid distribution system of vehicular battery pack and battery pack for vehicle
WO 2019148299 A1	HYDRO QUEBEC	Copolymers of ester and ether units, processes for producing same and uses thereof
WO 2019151193 A1	TOYOTA JIDOSHOKKI KK	Power storage module and method for manufacturing power storage module
WO 2019156172 A1	SEKISUI CHEMICAL CO LTD	Lithium ion secondary battery, lithium ion secondary battery negative electrode structure, and production method for lithium ion secondary battery
WO 2019156377 A1	LG CHEMICAL LTD	Method for estimating parameter of equivalent circuit model for battery, and battery management system
WO 2019155714 A1	SANYO ELECTRIC CO	Power supply device, and electric vehicle and power storage device provided with said power supply device
WO 2019155810 A1	PANASONIC IP MAN CO LTD	Cooling device and battery temperature control system
WO 2019156117 A1	MURATA MANUFACTURING CO	Electronic component mounted substrate, battery pack and electronic device
WO 2019139424 A1	LG CHEMICAL LTD	Method for fabrication of lithium metal secondary battery comprising lithium electrode
WO 2019146874 A1	SAMSUNG SDI CO LTD	Battery pack and label attaching method thereof
WO 2019151743 A1	SAMSUNG SDI CO LTD	Fluid connector for vehicular battery pack and vehicular battery pack including same
WO 2019150705 A1	SANYO ELECTRIC CO	Power source device and electric vehicle equipped with power source device
WO 2019151718 A1	KCF TECH CO LTD	Electrolytic copper foil having excellent handling characteristics in post-processing, and manufacturing method therefor

WO 2019150751 A1	DENSO CORP	Temperature regulating device
WO 2019150896 A1	DAIKIN IND LTD	Electrolyte, electrochemical device, lithium ion secondary battery, and module
WO 2019155683 A1	DENSO CORP	Heat-exchange apparatus
WO 2019147017 A1	LG CHEMICAL LTD	Cathode active material for secondary battery, preparation method therefor, and lithium secondary battery comprising same
WO 2019146872 A1	SAMSUNG SDI CO LTD	Secondary battery and manufacturing method therefor
WO 2019150939 A1	SEKISUI POLYMATECH CO LTD	Thermal diffusion sheet and battery system
WO 2019151834 A1	LG CHEMICAL LTD	Cathode active material for secondary battery, preparation method therefor, and lithium secondary battery comprising same
WO 2019143060 A1	LG CHEMICAL LTD	Multilayered cylindrical battery module having heat dissipation and chain ignition preventing structure and battery pack comprising same
WO 2019146731 A1	MITSUI CHEMICALS INC	Nonaqueous electrolyte solution for batteries, and lithium secondary battery
WO 2019147083 A1	LG CHEMICAL LTD	Anode active material for lithium secondary battery and anode for lithium secondary battery and lithium secondary battery comprising same
WO 2019151679 A1	LG CHEMICAL LTD	Method for estimating parameter of equivalent circuit model for battery, and battery management system
WO 2019146546 A1	PANASONIC IP MAN CO LTD	Secondary battery
WO 2019146892 A1	SAMSUNG SDI CO LTD	Battery module comprising a housing with integrated bus bar
WO 2019146925 A1	LG CHEMICAL LTD	Electrode transfer device for battery cell
WO 2019150902 A1	PANASONIC IP MAN CO LTD	Non-aqueous electrolyte secondary battery, electrolyte solution, and method for manufacturing non-aqueous electrolyte secondary battery
WO 2019151363 A1	FUJIFILM CORP	Solid-electrolyte-containing sheet, all-solid secondary battery electrode sheet, all-solid secondary battery, electronic apparatus, electric automobile, and production methods for same
WO 2019150932 A1	DAI ICHI KOGYO SEIYAKU CO LTD	Battery holder and battery pack
WO 2019151662 A1	SAMSUNG SDI CO LTD	Cylindrical lithium ion secondary battery
WO 2019151719 A1	KCF TECH CO LTD	Electrolytic copper foil having high-temperature dimensional stability and texture stability, and manufacturing method therefor
WO 2019151778 A1	LG CHEMICAL LTD	Anode active material for lithium secondary battery, anode comprising same, and lithium ion secondary battery comprising same anode
WO 2019151674 A1	LG CHEMICAL LTD	Method for determining power limit of battery, and battery management system
WO 2019151354 A1	GS YUASA INT LTD	Power storage element
WO 2019150559 A1	HONDA MOTOR CO LTD	Positive electrode for solid-state batteries, solid-state battery and method for producing solid-state battery
WO 2019155881 A1	SEKISUI CHEMICAL CO LTD	Carbon material, electrode for electricity storage devices, electricity storage device, and nonaqueous electrolyte secondary battery
WO 2019156352 A1	LG CHEMICAL LTD	Device and method for controlling temperature of battery
WO 2019146238 A1	SANYO ELECTRIC CO	Power supply device, vehicle provided with power supply device, and power storage device
WO 2019151814 A1	LG CHEMICAL LTD	Anode active material, anode comprising same, and lithium secondary battery
WO 2019150901 A1	PANASONIC IP MAN CO LTD	Non-aqueous electrolyte secondary battery, electrolyte solution and method for producing non-aqueous electrolyte secondary battery
WO 2019152583 A1	DARAMIC LLC	Improved lead acid battery separators, resilient separators, batteries, systems, and related methods
WO 2019155713 A1	SANYO ELECTRIC CO	Power supply device, and electric vehicle and power storage device provided with said power supply device
WO 2019156460 A1	LG CHEMICAL LTD	Solid polymer electrolyte and lithium secondary battery comprising same
WO 2019160810 A1	HARVARD COLLEGE	3D printed battery and method of 3D printing a battery
WO 2019170322 A1	AUDI AG	Method for producing a high-voltage energy storage device for a motor vehicle, and high-voltage energy storage device for a motor vehicle
WO 2019147710 A1	ENVISION SOLAR INT INC	Light standard with electric vehicle (EV) charger

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SUPERCONDENSADORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2019162314 A1	VOLKSWAGEN AG	Coating for a tool for handling lithium metal, tool and method for producing such a tool
WO 2019138815 A1	DAIKIN IND LTD	Electrolytic solution, electrochemical device, lithium-ion secondary battery, and module
WO 2019149812 A1	BOSCH GMBH ROBERT	Electrolyte composition for electrochemical cell for high-temperature applications
WO 2019159703 A1	DAIKIN IND LTD	Electrolysis solution, electrochemical device, lithium-ion secondary battery, and module
WO 2019154846 A1	BOSCH GMBH ROBERT	Method for detecting the air quality of a fuel cell
WO 2019149873 A1	RHODIA OPERATIONS	Composite electrolyte
WO 2019150895 A1	DAIKIN IND LTD	Electrolyte, electrochemical device, lithium ion secondary battery, and module

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SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2019131733 A1	ADVICS CO LTD	Vehicle braking device
WO 2019138962 A1	HITACHI AUTOMOTIVE SYSTEMS LTD	Control apparatus for electric vehicle, control system for electric vehicle, and control method for electric vehicle
WO 2019156035 A1	ADVICS CO LTD	Braking control device for vehicle

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MÁQUINAS ELÉCTRICAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2019162047 A1	BAYERISCHE MOTOREN WERKE AG	Rotor and method for producing a rotor
WO 2019134723 A1	SCHAEFFLER TECHNOLOGIES AG	Method for fastening at least one magnet to a laminated core of a rotor for an electric motor, a rotor, and an electric motor having the rotor
WO 2019162271 A1	VALEO SIEMENS EAUTOMOTIVE GERMANY GMBH	Electric motor with encapsulated stator
WO 2019166080 A1	PIERBURG PUMP TECHNOLOGY GMBH	Electric motor vehicle auxiliary unit
WO 2019134779 A1	PIERBURG PUMP TECHNOLOGY GMBH	Auxiliary assembly electric motor for a motor vehicle
WO 2019130232 A1	TECNOMATIC SPA	Process for making a continuous bar winding for an electric machine
WO 2019141442 A1	MAGNA POWERTRAIN BAD HOMBURG GMBH	Transmission module
WO 2019142263 A1	MITSUBISHI ELECTRIC CORP	Rotary electric machine
WO 2019168360 A1	KOREA INST IND TECH	Flat-angled coil having three-dimensional shape for maximizing space factor and electric motor comprising same
WO 2019138308 A1	WHYLOT	Electromagnetic motor or generator with two rotors, four stators and an integrated cooling system
WO 2019145464 A1	BORGWARNER SWEDEN AB	An electrical motor
WO 2019137606 A1	PIERBURG PUMP TECHNOLOGY GMBH	Auxiliary unit electric motor for a motor vehicle
WO 2019170482 A1	VALEO EQUIP ELECTR MOTEUR	Rotating electrical machine with part-winding
WO 2019175170 A1	FLET GMBH	Electric vehicle
WO 2019152372 A1	GALATECH INC	Casting for motor and gearbox with integrated inverter
WO 2019167557 A1	DAIMLER AG	Control device for electrically-driven vehicle
WO 2019168888 A1	ARTISAN VEHICLE SYSTEMS INC	Electric haul truck

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CONVERTIDORES, INVERSORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2019130703 A1	CALSONIC KANSEI CORP	Energy management system
WO 2019171856 A1	SANDEN HOLDINGS CORP	Power conversion device
WO 2019131609 A1	NTN TOYO BEARING CO LTD	Inverter abnormality diagnosis device, inverter device, and electric vehicle including inverter device mounted thereon
WO 2019129729 A1	VITO NV	Unbalance compensation by optimally redistributing current
WO 2019162016 A1	ZAHNRADFABRIK FRIEDRICHSHAFEN	Setting a specific operating state of an electrical machine of a vehicle
WO 2019166592 A1	SCHMIDHAUSER AG	Charging system
WO 2019171997 A1	MITSUBISHI ELECTRIC CORP	Power conversion device
WO 2019176620 A1	MITSUBISHI ELECTRIC CORP	Cooler, power conversion device unit, and cooling system
WO 2019130672 A1	NIDEC TOSOK CORP	Vehicle drive device
WO 2019137681 A1	BOSCH GMBH ROBERT	DC-DC converter and method for operating a dc-dc converter
WO 2019145067 A1	BOSCH GMBH ROBERT	Electrical inverter, electrical circuit and method for operating the inverter or the circuit
WO 2019154555 A1	BOSCH GMBH ROBERT	Method and device for external monitoring of a converter
WO 2019163384 A1	HITACHI AUTOMOTIVE SYSTEMS LTD	Motor control device and electric vehicle system using same
WO 2019142877 A1	AISIN AW CO	Rotary electric machine control device
WO 2019158390 A1	ZAHNRADFABRIK FRIEDRICHSHAFEN	Power electronics assembly
WO 2019167244 A1	MITSUBISHI ELECTRIC CORP	Power conversion device and electric motor system
WO 2019158391 A1	ZAHNRADFABRIK FRIEDRICHSHAFEN	Heat sink for a power electronics assembly
WO 2019130673 A1	NIDEC TOSOK CORP	Vehicle drive device
WO 2019169946 A1	CHONGQING JINKANG NEW ENERGY VEHICLE CO LTD	Power converter for electric vehicle drive systems
WO 2019138620 A1	HITACHI LTD	Control device and control method for plurality of power converters
WO 2019146179 A1	HITACHI LTD	Power conversion device and electric railroad vehicle equipped with power conversion device
WO 2019156696 A1	AC PROPULSION INC	Compact thermally efficient traction motor inverter
WO 2019144241 A1	UNIV KINGSTON	Resonant power converters and control methods for wide input and output voltage ranges
WO 2019150859 A1	HITACHI AUTOMOTIVE SYSTEMS LTD	Filter circuit device, and power conversion apparatus provided with same
WO 2019136567 A1	UNIV KINGSTON	Power converter controlled capacitor circuits and methods
WO 2019147143 A1	AUCKLAND UNISERVICES LTD	A converter

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RECARGA DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2019152338 A2	SPARKS MICHAEL	Portable electric vehicle charger
WO 2019164398 A1	EV CHARGED B V	Inductive power transfer device, especially for vehicle
WO 2019150178 A1	ROUSSELET MARC	External auxiliary battery for electric vehicle
WO 2019132373 A1	YURA CORP CO LTD	Electric vehicle power relay assembly and driving method therefor
WO 2019163398 A1	SANDEN AUTOMOTIVE CLIMATE SYSTEMS CORP	Vehicle control system
WO 2019155410 A1	ALFAZERO S P A	A recharging device for electric road vehicles
WO 2019163399 A1	SANDEN AUTOMOTIVE CLIMATE SYSTEMS CORP	Vehicle control system
WO 2019155751 A1	PANASONIC IP MAN CO LTD	Vehicle-mounted charging device and vehicle-mounted charging device control method
WO 2019156481 A1	LG INNOTEK CO LTD	Charging control apparatus and charging control method for electric vehicle

[...volver a CONTENIDO](#)

CAMBIO DE BATERÍAS

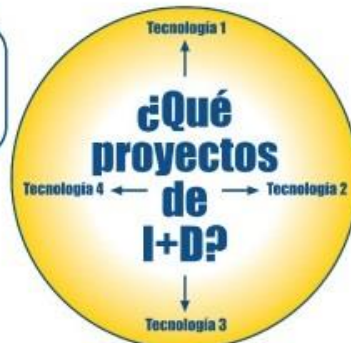
Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2019163682 A1	HONDA MOTOR CO LTD	Battery management system and battery management method
WO 2019168894 A1	ARTISAN VEHICLE SYSTEMS INC	Mounting and dismounting system for a battery assembly
WO 2019168900 A1	ARTISAN VEHICLE SYSTEMS INC	Method and system for mounting and dismounting batteries in a vehicle

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