

#### Noticias

El Consejo de Ministros aprobó el pasado 3 de julio, un Real Decreto-ley con medidas urgentes para apoyar la reactivación económica y el empleo, entre las que se encuentra el Programa de Renovación de Vehículos 2020 ([RENOVE 2020](#)).

Dicho plan Incentiva la sustitución de vehículos contaminantes en circulación por vehículos nuevos de menores emisiones y de todas las tecnologías disponibles actualmente: vehículos eléctricos, híbridos, de hidrógeno, de combustión, GLP y gas natural.

Las ayudas se concederán de forma directa y pueden ir desde los 300€ hasta los 4.000€ según el tipo de vehículo y del beneficiario, que podrán contar con 500€ adicionales para el caso de achatarramiento de un vehículo de más de veinte años, beneficiarios con movilidad reducida o aquellos que pertenezcan a hogares con ingresos mensuales inferiores a 1.500€.

Se admitirán adquisiciones realizadas desde el 16 de junio de 2020, y el programa finalizará el 31 de diciembre de 2020 o hasta que se agote el crédito habilitado a tal efecto.

Se estima un impacto económico para España de 1.104 M€ a lo largo de toda la cadena de valor y de los servicios asociados, y el mantenimiento de 7.400 empleos en el sector.

El 4 de agosto el Consejo de Ministros autorizó la compra de vehículos sin emisiones, con el fin de [renovar la flota de la Administración General del Estado](#) por un valor de 100 millones de euros distribuidos en las siguientes anualidades: 30 millones

de euros en la anualidad de 2020 y 70 millones de euros con cargo al crédito del ejercicio 2021.

Desde el 22 de septiembre, está disponible en la página Web de la [Oficina Europea de Patentes](#) (EPO en inglés), un estudio realizado por la EPO junto con la Agencia Internacional de la Energía (IEA), sobre la importancia de las invenciones relacionadas con las baterías, en la transición energética. De dicho estudio se pueden extraer conclusiones interesantes como:

- anualmente el número de solicitudes de patentes sobre baterías se incrementa en un 14%;
- están centradas principalmente en la tecnología Li-ion para el vehículo eléctrico;
- los países que más patentes solicitan son Corea del Sur y Japón;
- y en el Top 5 de empresas con más solicitudes, aparece Bosch en 5º lugar.

El 28 de septiembre supimos que el [Ministerio de Transportes, Movilidad y Agenda Urbana \(MITMA\)](#) ha iniciado el trámite de audiencia e información pública sobre el proyecto de Real Decreto por el que se modifica el Real Decreto 314/2006, de 17 de marzo, por el que se aprueba el Código Técnico de la Edificación. El proyecto establece las condiciones de las infraestructuras mínimas necesarias para la recarga inteligente de los vehículos eléctricos en los aparcamientos de los edificios y modifica la Instrucción técnica complementaria (ITC) BT-52 del Reglamento electrotécnico para baja

tensión. El Proyecto de Real Decreto es una propuesta del Ministerio de Transportes, Movilidad y Agenda Urbana, siendo los Ministerios de Industria, Comercio y Turismo y el Ministerio para la Transición Ecológica y el Reto Demográfico coproponentes de algunas disposiciones.

Se establece la obligación de que los edificios de nueva construcción y los que sufran una intervención importante cuenten con una precanalización para el 100% de las plazas de aparcamiento a ellos adscritas, en el caso de edificios residenciales privados, y para el 20% de las plazas en el resto de

edificios. Éstos últimos, adicionalmente, cuando tengan más de 10 plazas, deberán contar con una estación de recarga por cada 40 plazas, elevándose esta obligación a una estación cada 20 plazas en el caso de edificios de la Administración General del Estado.

## [BOLETINES OEPM](#)

NIPO: 116-19-009-9

### 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
<a href="#">WO 2020188707 A1</a>	DAICEL CORP	Slurry
<a href="#">WO 2020189975 A1</a>	LG CHEMICAL LTD	Battery module and manufacturing method therefor
<a href="#">WO 2020190062 A1</a>	LG CHEMICAL LTD	Battery module having thin-plate type module housing and battery pack comprising same
<a href="#">WO 2020188863 A1</a>	BASF TODA BATTERY MAT LLC	Positive electrode active material for non-aqueous electrolyte secondary battery, positive electrode for non-aqueous electrolyte secondary battery, and non-aqueous electrolyte secondary battery
<a href="#">WO 2020189659 A1</a>	GS YUASA INT LTD	Electricity storage device and method for manufacturing electricity storage device
<a href="#">WO 2020188902 A1</a>	VEHICLE ENERGY JAPAN INC	Secondary battery
<a href="#">WO 2020188901 A1</a>	VEHICLE ENERGY JAPAN INC	Battery system
<a href="#">WO 2020189694 A1</a>	HITACHI AUTOMOTIVE SYSTEMS LTD	Battery management device, battery management method, and electric power storage system
<a href="#">WO 2020189225 A1</a>	DEXERIALS CORP	Battery pack and protection circuit
<a href="#">WO 2020189657 A1</a>	GS YUASA INT LTD	Power storage device
<a href="#">WO 2020202751 A1</a>	TOYO SYSTEM CO LTD	Battery residual value display device
<a href="#">WO 2020202752 A1</a>	TOYO SYSTEM CO LTD	Battery residual value determination system
<a href="#">WO 2020189161 A1</a>	GS YUASA INT LTD	Power storage device
<a href="#">WO 2020189590 A1</a>	HITACHI AUTOMOTIVE SYSTEMS LTD	Battery pack
<a href="#">WO 2020189658 A1</a>	GS YUASA INT LTD	Power storage device
<a href="#">WO 2020189622 A1</a>	VALEO JAPAN CO LTD	Vehicle battery cooling device
<a href="#">WO 2020137005 A1</a>	PANASONIC IP MAN CO LTD	Battery
<a href="#">WO 2020174496 A1</a>	KPIT TECH LIMITED	A high-power density sodium-ion battery
<a href="#">WO 2020184689 A1</a>	DAINIPPON PRINTING CO LTD	Packaging container and storage device
<a href="#">WO 2020136975 A1</a>	PANASONIC IP MAN CO LTD	Battery material, battery, and method for producing battery material
<a href="#">WO 2020137923 A1</a>	TOYOTA JIDOSHOKKI KK	Power storage device
<a href="#">WO 2020137912 A1</a>	POWER IV INC	Secondary battery
<a href="#">WO 2020137776 A1</a>	PANASONIC IP MAN CO LTD	Battery
<a href="#">WO 2020184692 A1</a>	DAINIPPON PRINTING CO LTD	Sheathing material for all solid state battery, all solid state battery, and method for manufacturing same
<a href="#">WO 2020183612 A1</a>	HONDA MOTOR CO LTD	Positive electrode for lithium ion batteries, and lithium ion battery
<a href="#">WO 2020137388 A1</a>	PANASONIC IP MAN CO LTD	All-solid-state battery, and method for manufacturing all-solid-state battery
<a href="#">WO 2020138317 A1</a>	MURATA MANUFACTURING CO	Nonaqueous electrolyte and nonaqueous electrolyte secondary cell
<a href="#">WO 2020137700 A1</a>	DENSO CORP	Battery cooling system
<a href="#">WO 2020175781 A1</a>	SM LAB CO LTD	Cathode active material, method for preparing same, and secondary battery including cathode comprising same
<a href="#">WO 2020137714 A1</a>	SANYO ELECTRIC CO	Secondary battery
<a href="#">WO 2020136971 A1</a>	PANASONIC IP MAN CO LTD	Battery
<a href="#">WO 2020147869 A1</a>	SCIO TECH GMBH	Battery cell module, positioning device for producing battery cell modules and method for producing battery cell modules
<a href="#">WO 2020174954 A1</a>	GS YUASA INT LTD	Power storage device
<a href="#">WO 2020175638 A1</a>	MITSUBISHI CHEM CORP	Non-aqueous electrolyte solution for sodium ion secondary battery, and sodium ion secondary battery
<a href="#">WO 2020175201 A1</a>	GS YUASA INT LTD	Power storage device

<a href="#">WO 2020175782 A1</a>	SM LAB CO LTD	Positive active material, method for manufacturing same and lithium secondary battery comprising positive electrode comprising positive active material
<a href="#">WO 2020180408 A2</a>	UT BATTELLE LLC	Cobalt-free layered oxide cathodes
<a href="#">WO 2020184690 A1</a>	MITSUI CHEMICALS INC	Lithium borate compound, additive for lithium secondary battery, nonaqueous electrolytic solution for lithium secondary battery, precursor for lithium secondary battery, and production method for lithium secondary battery
<a href="#">WO 2020191003 A1</a>	FORD CHEER INTERNATIONAL LTD	Electrospun composite separator for electrochemical devices and applications of same
<a href="#">WO 2020137560 A1</a>	PANASONIC IP MAN CO LTD	Non-aqueous electrolyte secondary battery
<a href="#">WO 2020137777 A1</a>	PANASONIC IP MAN CO LTD	Battery
<a href="#">WO 2020138233 A1</a>	KURARAY CO	Carbonaceous material for electrochemical device, anode for electrochemical device, and electrochemical device
<a href="#">WO 2020137062 A1</a>	SANYO ELECTRIC CO	Separator for insulating adjacent battery cells, and power source device provided with same
<a href="#">WO 2020187942 A1</a>	CONSTELLIUM NEUF BRISACH	Battery box bottom part for electric vehicles
<a href="#">WO 2020137909 A1</a>	SHOWA DENKO KK	Graphite material for negative electrode of lithium-ion secondary battery
<a href="#">WO 2020138492 A1</a>	PANASONIC IP MAN CO LTD	Battery and method for producing same
<a href="#">WO 2020136508 A1</a>	SEMICONDUCTOR ENERGY LAB	Secondary battery protection circuit and secondary battery module
<a href="#">WO 2020137817 A1</a>	SANYO ELECTRIC CO	Non-aqueous electrolyte secondary battery
<a href="#">WO 2020137816 A1</a>	SANYO ELECTRIC CO	Non-aqueous electrolyte secondary battery and method for manufacturing same
<a href="#">WO 2020174953 A1</a>	GS YUASA INT LTD	Electricity storage device
<a href="#">WO 2020175883 A1</a>	LG CHEMICAL LTD	Battery module including connector having shock absorbing structure
<a href="#">WO 2020187535 A1</a>	BOSCH GMBH ROBERT	Method for checking the plausibility of at least one coolant temperature in a drive unit for an electric vehicle, and drive unit for an electric vehicle
<a href="#">WO 2020134977 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	Battery pack and apparatus
<a href="#">WO 2020134070 A1</a>	BYD CO LTD	Battery tray and power battery pack
<a href="#">WO 2020137715 A1</a>	SANYO ELECTRIC CO	Electrode plate and secondary battery using same
<a href="#">WO 2020137006 A1</a>	PANASONIC IP MAN CO LTD	Battery
<a href="#">WO 2020138870 A1</a>	LG CHEMICAL LTD	Battery module, battery pack comprising such battery module, and vehicle comprising such battery pack
<a href="#">WO 2020138318 A1</a>	MURATA MANUFACTURING CO	Battery, battery pack, electronic apparatus, electric vehicle, and electric power system
<a href="#">WO 2020174616 A1</a>	HONDA MOTOR CO LTD	End plate securing structure and battery device
<a href="#">WO 2020175555 A1</a>	NATIONAL UNIV CORPORATION YOKOHAMA NATIONAL UNIV	Lithium-sulfur battery, and lithium-sulfur battery production method
<a href="#">WO 2020183795 A1</a>	PANASONIC IP MAN CO LTD	Laminated battery
<a href="#">WO 2020184340 A1</a>	MITSUBISHI GAS CHEMICAL CO	Method for producing all-solid-state battery
<a href="#">WO 2020190508 A1</a>	BATTELLE ENERGY ALLIANCE LLC	Multispectral impedance determination under dynamic load conditions
<a href="#">WO 2020138629 A1</a>	SJ ADVANCED MAT CO LTD	Composite anode active material, method for manufacturing same, and lithium secondary battery having anode containing same
<a href="#">WO 2020137353 A1</a>	PANASONIC IP MAN CO LTD	Battery and method for manufacturing battery
<a href="#">WO 2020138216 A1</a>	FUJIFILM CORP	Solid electrolyte composition, sheet for all-solid-state secondary cell, all-solid-state secondary cell, and manufacturing method for all-solid-state secondary cell or for sheet for all-solid-state secondary cell
<a href="#">WO 2020137411 A1</a>	GS YUASA INT LTD	Power storage device
<a href="#">WO 2020138848 A1</a>	LG CHEMICAL LTD	Battery module, battery pack comprising same battery module, and vehicle comprising same battery pack

<a href="#">WO 2020183794 A1</a>	PANASONIC IP MAN CO LTD	Laminated battery
<a href="#">WO 2020184693 A1</a>	DAINIPPON PRINTING CO LTD	Outer package material for all-solid-state batteries, method for producing same and all-solid-state battery
<a href="#">WO 2020184068 A1</a>	GS YUASA INT LTD	Power storage device
<a href="#">WO 2020137298 A1</a>	TOYO SEIKAN GROUP HOLDINGS LTD	Sealing material, method for manufacturing same, and all-solid-state secondary battery
<a href="#">WO 2020136970 A1</a>	PANASONIC IP MAN CO LTD	Battery and layered battery
<a href="#">WO 2020137410 A1</a>	GS YUASA INT LTD	Power storage device
<a href="#">WO 2020138122 A1</a>	FUJIFILM CORP	Solid electrolyte composition, solid-electrolyte-containing sheet, all-solid-state secondary cell, and method for manufacturing solid-electrolyte-containing sheet and all-solid-state secondary cell
<a href="#">WO 2020138187 A1</a>	UBE INDUSTRIES	Electrode for all-solid-state secondary batteries, all-solid-state secondary battery and method for producing all-solid-state secondary battery
<a href="#">WO 2020136021 A1</a>	RENAULT SAS	Motor vehicle structure
<a href="#">WO 2020175361 A1</a>	SANYO ELECTRIC CO	Non-aqueous electrolyte secondary battery
<a href="#">WO 2020175925 A1</a>	LG CHEMICAL LTD	Cathode active material precursor for secondary battery, cathode active material, preparation method therefor, and lithium secondary battery comprising same
<a href="#">WO 2020184464 A1</a>	NATIONAL UNIV CORPORATION TOYOHASHI UNIV OF TECHNOLOGY	Solid electrolyte, electrode for lithium ion battery, and lithium ion battery
<a href="#">WO 2020141034 A1</a>	DEUTSCH ZENTR LUFT & RAUMFAHRT	Electrolyte for a zinc battery
<a href="#">WO 2020171111 A1</a>	SUMITOMO METAL MINING CO LTD	Positive electrode active material for lithium ion secondary battery, method for manufacturing positive electrode active material for lithium ion secondary battery, and lithium ion secondary battery
<a href="#">WO 2020141574 A1</a>	HITACHI CHEMICAL CO LTD	Negative electrode material for lithium ion secondary cell, method for manufacturing negative electrode material for lithium ion secondary cell, negative electrode for lithium ion secondary cell, and lithium ion secondary cell
<a href="#">WO 2020149250 A1</a>	JXTG NIPPON OIL & ENERGY CORP	Synthetic graphite material, synthetic graphite material production method, negative electrode for lithium ion secondary battery, and lithium ion secondary battery
<a href="#">WO 2020149251 A1</a>	JXTG NIPPON OIL & ENERGY CORP	Synthetic graphite material, synthetic graphite material production method, negative electrode for lithium ion secondary battery, and lithium ion secondary battery
<a href="#">WO 2020149557 A1</a>	LG CHEMICAL LTD	Battery management apparatus and method
<a href="#">WO 2020162284 A1</a>	MTEK-SMART CORP	Method for manufacturing all-solid-state battery
<a href="#">WO 2020171089 A1</a>	SUMITOMO METAL MINING CO LTD	Method for producing positive electrode active material for lithium ion secondary batteries, positive electrode active material for lithium ion secondary batteries, and lithium ion secondary battery
<a href="#">WO 2020141573 A1</a>	HITACHI CHEMICAL CO LTD	Negative electrode material for lithium ion secondary battery, negative electrode for lithium ion secondary battery, and lithium ion secondary battery
<a href="#">WO 2020149622 A1</a>	LG CHEMICAL LTD	Anode and secondary battery comprising said anode
<a href="#">WO 2020171939 A1</a>	CORNING INC	Sintered electrodes for batteries and method of preparing same
<a href="#">WO 2020146395 A1</a>	TESLA MOTORS CANADA ULC	Electrolytes with lithium difluoro(oxalato)borate and lithium tetrafluoroborate salts for lithium metal and anode-free cells
<a href="#">WO 2020162028 A1</a>	mitsubishi motors corp	Battery pack mounting structure
<a href="#">WO 2020178493 A1</a>	PSA AUTOMOBILES SA	Motor vehicle equipped with an impact protection device for underfloor elements
<a href="#">WO 2020149404 A1</a>	NIPPON STEEL CORP	Negative electrode active material, negative electrode, and battery
<a href="#">WO 2020171056 A1</a>	HONDA MOTOR CO LTD	Storage device, estimation device, storage method, program, and memory medium
<a href="#">WO 2020170598 A1</a>	SANYO ELECTRIC CO LTD	Electrode plate and method for manufacturing same, and secondary battery and method for manufacturing same
<a href="#">WO 2020149133 A1</a>	SHINETSU CHEMICAL CO	Negative electrode active substance for non-aqueous electrolyte secondary cell, non-aqueous electrolyte secondary cell, and method for manufacturing negative electrode material for non-aqueous electrolyte secondary cell

<a href="#">WO 2020149252 A1</a>	JXTG NIPPON OIL & ENERGY CORP	Synthetic graphite material, synthetic graphite material production method, negative electrode for lithium ion secondary battery, and lithium ion secondary battery
<a href="#">WO 2020171170 A1</a>	HONDA MOTOR CO LTD	Information processing device, information processing method, service system, program, and storage medium
<a href="#">WO 2020179409 A1</a>	JNC CORP	Sioc structure and composition for negative electrode using same, negative electrode, and secondary battery
<a href="#">WO 2020185664 A1</a>	WANG DONGHAI	Polymer-inorganic solid-electrolyte interphase for stable metal batteries under lean electrolyte conditions
<a href="#">WO 2020144142 A1</a>	UCL BUSINESS LTD	Method of enhancing electrochemical cell performance
<a href="#">WO 2020146473 A1</a>	TIVENI MERGECO INC	Multi-layer contact plate and method thereof
<a href="#">WO 2020149199 A1</a>	NISSHINBO HOLDINGS INC	Secondary battery
<a href="#">WO 2020178509 A1</a>	EASYL	Electrode for rechargeable energy storage device
<a href="#">WO 2020149681 A1</a>	LG CHEMICAL LTD	Anode and secondary battery comprising anode
<a href="#">WO 2020149724 A1</a>	LG CHEMICAL LTD	Anode active material for lithium secondary battery, and lithium secondary battery comprising same
<a href="#">WO 2020162505 A1</a>	DENKA COMPANY LTD	Composition, slurry for positive electrode, and battery
<a href="#">WO 2020170833 A1</a>	ADEKA CORP	Electrolyte composition, nonaqueous electrolyte, and nonaqueous electrolyte secondary battery
<a href="#">WO 2020177569 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	Battery module and battery pack
<a href="#">WO 2020171442 A1</a>	LG CHEM LTD	Battery management system, battery management method, battery pack, and electric vehicle
<a href="#">WO 2020171088 A1</a>	SUMITOMO METAL MINING CO LTD	Method for producing positive electrode active material for lithium ion secondary batteries, positive electrode active material for lithium ion secondary batteries, and lithium ion secondary battery
<a href="#">WO 2020171126 A1</a>	SUMITOMO METAL MINING CO LTD	Positive electrode active material for lithium ion secondary battery, method for producing same, and lithium ion secondary battery
<a href="#">WO 2020179262 A1</a>	PANASONIC IP MAN CO LTD	Battery managing system, battery managing method, and terminal device
<a href="#">WO 2020166998 A1</a>	LG CHEMICAL LTD	Battery module, manufacturing method therefor, and battery pack including battery module
<a href="#">WO 2020169200 A1</a>	COMMISSARIAT ENERGIE ATOMIQUE	Nitrile solvent-based electrolyte for organic battery
<a href="#">WO 2020173351 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	Battery pack thermal management system and thermal management system for electric vehicle
<a href="#">WO 2020180156 A1</a>	LG CHEMICAL LTD	Negative electrode active material and lithium secondary battery comprising same
<a href="#">WO 2020146218 A1</a>	A123 SYSTEMS LLC	Abuse-tolerant lithium ion battery cathode blends with symbiotic power performance benefits
<a href="#">WO 2020145338 A1</a>	HITACHI CHEMICAL CO LTD	Electrolytic solution, electrolyte slurry composition, and secondary cell
<a href="#">WO 2020152567 A1</a>	3M INNOVATIVE PROPERTIES CO	Thermal management of battery modules
<a href="#">WO 2020171093 A1</a>	SUMITOMO METAL MINING CO LTD	Method for producing positive electrode active material for lithium ion secondary batteries
<a href="#">WO 2020171392 A1</a>	LG CHEM LTD	Battery cell, battery module comprising same, battery rack, and power storage device
<a href="#">WO 2020172427 A1</a>	RIVIAN IP HOLDINGS LLC	Battery module gas sensor for battery cell monitoring
<a href="#">WO 2020179523 A1</a>	MITSUBISHI GAS CHEMICAL CO	Method for producing sulfide solid electrolyte
<a href="#">WO 2020144082 A1</a>	MEESE LUDWIG	Transportable charging station
<a href="#">WO 2020146948 A1</a>	BLUE SOLUTIONS CANADA INC	Hybrid solid electrolyte for all-solid-state battery
<a href="#">WO 2020153095 A1</a>	SUMITOMO METAL MINING CO	Nickel-cobalt-aluminum composite hydroxide, production method for nickel-cobalt-aluminum composite hydroxide, lithium-nickel-cobalt-aluminum composite oxide, and lithium ion secondary battery
<a href="#">WO 2020161972 A1</a>	HONDA MOTOR CO LTD	Battery identification system and battery identification method
<a href="#">WO 2020162277 A1</a>	MURATA MANUFACTURING CO	Positive electrode active material for secondary battery, and secondary battery
<a href="#">WO 2020180163 A1</a>	LG CHEMICAL LTD	Carbon nanotube, electrode including carbon nanotube, and secondary battery
<a href="#">WO 2020136630 A1</a>	TERAWATT TECH INC	Electric vehicle solid state battery cell

<a href="#">WO 2020145116 A1</a>	SUMITOMO METAL MINING CO	Method for producing positive electrode active material for lithium ion secondary battery, and molded article
<a href="#">WO 2020158306 A1</a>	SEKISUI CHEMICAL CO LTD	Electrode for lithium ion secondary battery and lithium ion secondary battery
<a href="#">WO 2020143413 A1</a>	NINGDE AMPEREX TECHNOLOGY LTD	Electrode used for improving battery performance and comprising composite layer with bracket structure and protective layer, and battery
<a href="#">WO 2020144905 A1</a>	KANEKA CORP	Negative electrode for nonaqueous electrolyte secondary batteries and nonaqueous electrolyte secondary battery
<a href="#">WO 2020150542 A1</a>	GLOBAL GRAPHENE GROUP INC	Process for producing semiconductor nanowires and nanowire-graphene hybrid particulates
<a href="#">WO 2020153096 A1</a>	SUMITOMO METAL MINING CO	Nickel-manganese-cobalt composite hydroxide, production method for nickel-manganese-cobalt composite hydroxide, lithium-nickel-manganese-cobalt composite oxide, and lithium ion secondary battery
<a href="#">WO 2020158430 A1</a>	GS YUASA INT LTD	Power storage device
<a href="#">WO 2020158935 A1</a>	ENVISION AESC JAPAN LTD	Electrode tab forming method and electrode tab forming device
<a href="#">WO 2020158885 A1</a>	NICHIA CORP	Electrode active material for non-aqueous secondary battery and method for producing same
<a href="#">WO 2020162291 A1</a>	DENSO CORP	Vehicle driving control device and driving system
<a href="#">WO 2020171640 A1</a>	POSTECH RES & BUSINESS DEV FOUND	Method for preparing solid electrolyte for all-solid battery, and solid electrolyte
<a href="#">WO 2020171629 A1</a>	LG CHEM LTD	Battery module including terminal connecting structure provided with floating nut and battery pack including the same
<a href="#">WO 2020176520 A1</a>	CORESHELL TECH INC	Solution-phase deposition of thin films on conversion anodes in lithium-ion batteries
<a href="#">WO 2020180160 A1</a>	LG CHEMICAL LTD	Lithium secondary battery
<a href="#">WO 2020179196 A1</a>	HITACHI LTD	Battery pack
<a href="#">WO 2020145298 A1</a>	NEC CORP	Reduced graphene oxide-graphite composite material, method for producing same, and lithium ion secondary battery using same
<a href="#">WO 2020143912 A1</a>	MAX PLANCK GESELLSCHAFT	Electrochemical device, batteries, method for harvesting light and storing electrical energy, and detection methods
<a href="#">WO 2020153409 A1</a>	AIST	Titanium oxide, method for producing titanium oxide, and lithium secondary battery using titanium oxide-containing electrode active material
<a href="#">WO 2020158887 A1</a>	NICHIA CORP	Method for manufacturing electrode active material for non-aqueous secondary cell
<a href="#">WO 2020179669 A1</a>	SEKISUI CHEMICAL CO LTD	Electrode for lithium ion secondary batteries, and lithium ion secondary battery
<a href="#">WO 2020141114 A1</a>	BOSCH GMBH ROBERT	Electric vehicle, in particular construction machine, and method for operating an electric vehicle
<a href="#">WO 2020145638 A1</a>	LG CHEMICAL LTD	Method for producing positive electrode active material for lithium secondary battery, and positive electrode active material produced thereby
<a href="#">WO 2020145549 A1</a>	LG CHEMICAL LTD	Battery module having swelling gauge, and battery pack comprising same
<a href="#">WO 2020163712 A1</a>	CPS TECH HOLDINGS LLC	Terminal cover
<a href="#">WO 2020166165 A1</a>	PANASONIC IP MAN CO LTD	Battery
<a href="#">WO 2020165517 A1</a>	NOVARES FRANCE	Battery unit and motor vehicle provided with at least one such unit
<a href="#">WO 2020141942 A1</a>	LG CHEMICAL LTD	Battery pack and battery pack assembly device
<a href="#">WO 2020145600 A1</a>	LG CHEMICAL LTD	Battery module, and battery pack including same
<a href="#">WO 2020163665 A1</a>	CPS TECH HOLDINGS LLC	Battery system having a passive heat sink
<a href="#">WO 2020165509 A1</a>	HUTCHINSON	Electric energy management system
<a href="#">WO 2020179752 A1</a>	SANTOKU CORP	Negative electrode active material powder, negative electrode and nickel hydrogen secondary battery
<a href="#">WO 2020145626 A1</a>	LG CHEMICAL LTD	Jig for tack welding of battery cell electrode lead
<a href="#">WO 2020162000 A1</a>	SANYO ELECTRIC CO	Method for manufacturing nonaqueous electrolyte secondary battery and nonaqueous electrolyte secondary battery
<a href="#">WO 2020171372 A1</a>	SAMSUNG SDI CO LTD	Secondary battery and method for manufacturing same
<a href="#">WO 2020146630 A1</a>	UNIV LELAND STANFORD JUNIOR	Red phosphorus/carbon nanocomposite as high capacity and fast-charging battery anode material
<a href="#">WO 2020157601 A1</a>	SEMICONDUCTOR ENERGY LAB	Method for analyzing lithium composite oxide, positive electrode active material and secondary battery
<a href="#">WO 2020165510 A2</a>	HUTCHINSON	Thermoelectric device employing the seebeck effect

<a href="#">WO 2020168206 A1</a>	CPS TECH HOLDINGS LLC	Sensor for battery module
<a href="#">WO 2020181046 A1</a>	THE TRUSTEES OF INDIANA UNIV	Lithium silicate cathodes for lithium-ion batteries
<a href="#">WO 2020179515 A1</a>	JX NIPPON MINING & METALS CORP	Rolled copper foil for secondary battery negative electrode current collectors, secondary battery negative electrode current collector and secondary battery each using same, and method for manufacturing rolled copper foil for secondary battery negative electrode current collectors
<a href="#">WO 2020144732 A1</a>	HITACHI CHEMICAL CO LTD	Separator and lead storage battery
<a href="#">WO 2020153728 A1</a>	LG CHEMICAL LTD	Anode active material for lithium secondary battery, and anode and lithium secondary battery which comprise same
<a href="#">WO 2020158181 A1</a>	PANASONIC IP MAN CO LTD	Lithium metal secondary battery
<a href="#">WO 2020160765 A1</a>	ABB SCHWEIZ AG	Unit to test and/or charge battery cells or battery modules for electrical vehicles
<a href="#">WO 2020166599 A1</a>	MITSUI MINING & SMELTING COLTD	Active material
<a href="#">WO 2020179695 A1</a>	KAWASAKI HEAVY IND LTD	Apparatus for roasting lithium ion battery waste
<a href="#">WO 2020153833 A1</a>	IUCF HYU	Composite metal oxide for lithium secondary battery comprising doping element, positive electrode active material for lithium secondary battery prepared from same, and lithium secondary battery comprising same
<a href="#">WO 2020152883 A1</a>	SUMITOMO METAL MINING CO	Nickel-manganese-cobalt composite hydroxide, production method for nickel-manganese-cobalt composite hydroxide, lithium-nickel-manganese-cobalt composite oxide, and lithium ion secondary battery
<a href="#">WO 2020152880 A1</a>	SUMITOMO METAL MINING CO	Nickel-manganese-cobalt composite hydroxide, production method for nickel-manganese-cobalt composite hydroxide, lithium-nickel-manganese-cobalt composite oxide, and lithium ion secondary battery
<a href="#">WO 2020158626 A1</a>	ZEON CORP	Binder composition for nonaqueous secondary battery electrodes, slurry composition for nonaqueous secondary battery electrodes, electrode for nonaqueous secondary batteries, and nonaqueous secondary battery
<a href="#">WO 2020166270 A1</a>	DENSO CORP	Refrigeration cycle device
<a href="#">WO 2020180060 A1</a>	LG CHEMICAL LTD	Method for preparing cathode active material precursor for lithium secondary battery, and cathode active material precursor prepared by preparation method
<a href="#">WO 2020179355 A1</a>	DENSO CORP	Battery pack
<a href="#">WO 2020152541 A1</a>	SEMICONDUCTOR ENERGY LAB	Semiconductor device and method of operating semiconductor device
<a href="#">WO 2020154947 A1</a>	SUZHOU JK ENERGY LTD	Method and system for managing vehicle-mounted intelligent battery pack, and device and storage medium
<a href="#">WO 2020145639 A1</a>	LG CHEMICAL LTD	Positive electrode active material, method for manufacturing positive electrode active material, and positive electrode and lithium secondary battery comprising positive electrode active material
<a href="#">WO 2020153093 A1</a>	SUMITOMO METAL MINING CO	Nickel-manganese-cobalt composite hydroxide, production method for nickel-manganese-cobalt composite hydroxide, lithium-nickel-manganese-cobalt composite oxide, and lithium ion secondary battery
<a href="#">WO 2020152769 A1</a>	SUMITOMO METAL MINING CO	Nickel-manganese-cobalt composite hydroxide, production method for nickel-manganese-cobalt composite hydroxide, and lithium-nickel-manganese-cobalt composite oxide
<a href="#">WO 2020152882 A1</a>	SUMITOMO METAL MINING CO	Nickel-cobalt-aluminum composite hydroxide, production method for nickel-cobalt-aluminum composite hydroxide, lithium-nickel-cobalt-aluminum composite oxide, and lithium ion secondary battery
<a href="#">WO 2020158555 A1</a>	NEC CORP	Secondary battery which uses radical polymer for electrode
<a href="#">WO 2020162292 A1</a>	DENSO CORP	Vehicle driving control device and driving system
<a href="#">WO 2020149244 A1</a>	NIPPON CHEMICAL IND	Positive electrode active material for lithium secondary battery, method for producing same, and lithium secondary battery
<a href="#">WO 2020153094 A1</a>	SUMITOMO METAL MINING CO	Nickel-manganese-cobalt composite hydroxide, production method for nickel-manganese-cobalt composite hydroxide, lithium-nickel-manganese-cobalt composite oxide, and lithium ion secondary battery



<a href="#">WO 2020153637 A1</a>	LG CHEMICAL LTD	Battery management device, battery management method, and battery pack
<a href="#">WO 2020171426 A1</a>	LG CHEM LTD	Bus bar for battery cell connection, battery pack, and manufacturing method therefor
<a href="#">WO 2020180116 A1</a>	LG CHEMICAL LTD	Battery module, and battery pack and vehicle comprising same
<a href="#">WO 2020179990 A1</a>	LG CHEMICAL LTD	Pouch for secondary battery and pouch-type secondary battery
<a href="#">WO 2020145504 A1</a>	NAT UNIV GYEONGSANG IACF	Composite sulfide electrode and manufacturing method therefor
<a href="#">WO 2020144985 A1</a>	VEHICLE ENERGY JAPAN INC	Battery pack
<a href="#">WO 2020153456 A1</a>	DAINIPPON PRINTING CO LTD	Exterior material for all-solid-state battery, method for manufacturing same, and all-solid-state battery
<a href="#">WO 2020154759 A1</a>	RE:START CHARGING SERVICES PTY LTD	Battery pack
<a href="#">WO 2020158299 A1</a>	PANASONIC IP MAN CO LTD	Non-aqueous electrolyte secondary battery and electrolytic solution used therefor
<a href="#">WO 2020158867 A1</a>	DENSO CORP	Heat transfer medium and vehicular heat management system
<a href="#">WO 2020149659 A1</a>	LG CHEMICAL LTD	Lithium secondary battery
<a href="#">WO 2020152901 A1</a>	HITACHI LTD	Secondary battery module remaining life diagnosis method and remaining life diagnosis system
<a href="#">WO 2020154552 A1</a>	GLOBAL GRAPHENE GROUP INC	Lithium metal secondary battery containing elastic polymer foam as an anode-protecting layer
<a href="#">WO 2020166655 A1</a>	MITSUI MINING & SMELTING COLTD	Active material
<a href="#">WO 2020158423 A1</a>	DENSO CORP	Refrigeration cycle device
<a href="#">WO 2020168558 A1</a>	BOE TECH GROUP CO LTD	Lithium ion battery and preparation method therefor
<a href="#">WO 2020153458 A1</a>	DAINIPPON PRINTING CO LTD	Exterior material for all-solid-state battery, method for manufacturing same, and all-solid-state battery
<a href="#">WO 2020142702 A1</a>	CELGARD LLC	Battery separators that include a microporous membrane and a coating.
<a href="#">WO 2020166658 A1</a>	MITSUI MINING & SMELTING COLTD	Active material
<a href="#">WO 2020158137 A1</a>	PANASONIC CORP	Stacked secondary battery
<a href="#">WO 2020158223 A1</a>	PANASONIC IP MAN CO LTD	Nonaqueous electrolyte secondary battery and electrolyte solution used in same
<a href="#">WO 2020154652 A1</a>	UNIV CENTRAL FLORIDA RES FOUND INC	Self-standing tin sulfide film for flexible batteries
<a href="#">WO 2020159202 A1</a>	LG CHEMICAL LTD	Anode and lithium secondary battery comprising same
<a href="#">WO 2020166166 A1</a>	PANASONIC IP MAN CO LTD	Battery
<a href="#">WO 2020170135 A1</a>	UMICORE NV	Powderous solid electrolyte compound for solid-state rechargeable lithium ion battery
<a href="#">WO 2020166601 A1</a>	MITSUI MINING & SMELTING COLTD	Active material
<a href="#">WO 2020153477 A1</a>	HONDA MOTOR CO LTD	Power storage device management system, keeping apparatus, and power storage device management method
<a href="#">WO 2020159310 A1</a>	LG CHEMICAL LTD	Positive electrode active material for secondary battery and lithium secondary battery comprising same
<a href="#">WO 2020162001 A1</a>	SUMITOMO WIRING SYSTEMS	Terminal holding structure, and wiring module
<a href="#">WO 2020166803 A1</a>	LG CHEMICAL LTD	Secondary battery and battery module
<a href="#">WO 2020166802 A1</a>	LG CHEMICAL LTD	Secondary battery and battery module
<a href="#">WO 2020163960 A1</a>	HYDRO-QUÉBEC	Cellulose-based separators comprising flame retardant, and uses thereof in electrochemistry
<a href="#">WO 2020159116 A1</a>	LG CHEMICAL LTD	Electrode assembly having different-sized pressure-welded portions of electrode tab-welded joint and ultrasonic welding device for manufacturing same
<a href="#">WO 2020154053 A2</a>	PIMEMS INC	Mems anode battery
<a href="#">WO 2020159263 A1</a>	LG CHEMICAL LTD	Method for manufacturing anode for secondary battery
<a href="#">WO 2020146264 A2</a>	THE BOARD OF REGENTS FOR THE OKLAHOMA AGRICULTURAL AND MECH COLLEGES	Preparation of silicon-based anode for use in a Li-ion battery

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## SUPERCONDENSADORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020189662 A1</a>	SEKISUI CHEMICAL CO LTD	Composite material, electrode material for electricity storage devices, and electricity storage device
<a href="#">WO 2020184125 A1</a>	GS YUASA INT LTD	Non-aqueous electrolyte power storage element and power storage device
<a href="#">WO 2020184157 A1</a>	NIPPON CHEMICON	Electrode and method for manufacturing electrode

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## SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020138167 A1</a>	ADVICS CO LTD	Braking system for vehicle
<a href="#">WO 2020188520 A1</a>	FCA ITALY SPA	Management of the cleaning of friction bodies of automotive braking system
<a href="#">WO 2020158087 A1</a>	HITACHI IND PRODUCTS LTD	Regenerative braking system and electrically driven vehicle

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## MÁQUINAS ELÉCTRICAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020137579 A1</a>	DENSO CORP	Rotary electric machine
<a href="#">WO 2020135663 A1</a>	UNIV OF SHANGHAI FOR SCIENCE AND TECHNOLOGY	Parallel-series excited direct current motor driving device, and apparatus
<a href="#">WO 2020136171 A1</a>	ZUMA INNOVATION S L	Electric vehicles provided with control systems based on stimuli to the user
<a href="#">WO 2020138530 A1</a>	UNIV JEONJU IND UNIV COOP	Brushless DC motor core using hybrid composite containing aluminum, multi-walled carbon nanotube, iron, and cobalt
<a href="#">WO 2020144492 A1</a>	ROOHIAN GHASEM	A combined cycle generator with a 100% efficiency
<a href="#">WO 2020174190 A1</a>	NIDEC PSA EMOTORS	Stator for a rotating electrical machine
<a href="#">WO 2020174333 A1</a>	TEXA DYNAMICS S R L	Electric motor and clutch
<a href="#">WO 2020162233 A1</a>	DENSO CORP	Rotary electric machine
<a href="#">WO 2020174184 A1</a>	NIDEC PSA EMOTORS	Rotating electrical machine having an annular cooling chamber
<a href="#">WO 2020163221 A1</a>	DRIV AUTOMOTIVE INC	Electric propulsion, suspension, and steering systems
<a href="#">WO 2020183492 A1</a>	NIMBALKAR SHRIKANT DILIP	Hybrid and electric vehicles, kits and conversion methods
<a href="#">WO 2020160785 A1</a>	GKN AUTOMOTIVE LTD	Connector assembly and a method for electrically connecting an inverter busbar to an electrical connector of a drive unit and such a drive unit
<a href="#">WO 2020156830 A1</a>	NIDEC GPM GMBH	Pump having an electric motor with a plug attachment in the form of an intermediate ring
<a href="#">WO 2020149405 A1</a>	NIPPON STEEL CORP	Non-oriented electrical steel sheet, segmented stator, and dynamo-electric machine
<a href="#">WO 2020162253 A1</a>	DENSO CORP	Rotary electric machine and wheel drive device
<a href="#">WO 2020157501 A1</a>	SAIETTA GROUP LTD	Axial flux electrical machine
<a href="#">WO 2020164992 A1</a>	BOSCH GMBH ROBERT	Drive unit for an electric vehicle and method for detecting faults in a drive unit
<a href="#">WO 2020173755 A1</a>	MAHLE INT GMBH	Method for operating a three-phase electric motor, and three-phase electric motor
<a href="#">WO 2020162337 A1</a>	HITACHI AUTOMOTIVE SYSTEMS LTD	Rotary electric machine and method for manufacturing rotary electric machine
<a href="#">WO 2020164112 A1</a>	SHENZHEN A&E MOTOR TECH CO LTD	Switched reluctance motor, electric vehicle, and electric device
<a href="#">WO 2020149100 A1</a>	TOYOTA JIDOSHOKKI KK	Hybrid system, hybrid system control device, and hybrid system control method
<a href="#">WO 2020151870 A1</a>	AUDI AG	Rotor for an electric motor
<a href="#">WO 2020145518 A1</a>	GOO JEI HYUN	Apparatus for operating as DC (direct current) generator and DC motor
<a href="#">WO 2020165261 A1</a>	PUNCH POWERTRAIN NV	Electric drive unit and method of manufacturing the same

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## CONVERTIDORES, INVERSORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020138927 A1</a>	SAMSUNG ELECTRONICS CO LTD	Inverter and refrigerator comprising inverter
<a href="#">WO 2020138968 A1</a>	LG INNOTEK CO LTD	Power conversion device
<a href="#">WO 2020189312 A1</a>	KYOCERA CORP	Laminated capacitor, linked capacitor, inverter, and electric vehicle
<a href="#">WO 2020137721 A1</a>	PANASONIC IP MAN CO LTD	Power conversion apparatus
<a href="#">WO 2020188189 A1</a>	INST VEDECOM	Electrical converter, in particular for incorporation in an electric vehicle
<a href="#">WO 2020190614 A1</a>	TULA ETECHNOLOGY INC	Boosted converter for pulsed electric machine control
<a href="#">WO 2020186363 A1</a>	OSSIACO INC	Converter with power management system for household users to manage power between different loads including their electric vehicle
<a href="#">WO 2020188186 A1</a>	INST VEDECOM	Isolated reversible electric charger, in particular for integration into an electric vehicle
<a href="#">WO 2020142231 A1</a>	TEXAS INSTRUMENTS INC	Powertrain architecture for a vehicle utilizing an on-board charger
<a href="#">WO 2020162984 A1</a>	HUAWEI ADMINISTRATION BUILDING BANTIAN	Wide-voltage-range DC-DC converters
<a href="#">WO 2020169575 A1</a>	VITESCO TECH GMBH	On-board vehicle electrical system having an accumulator, an alternating voltage connection and a direct voltage connection
<a href="#">WO 2020161883 A1</a>	MITSUBISHI ELECTRIC CORP	Power supply device and capacitor
<a href="#">WO 2020144815 A1</a>	MITSUBISHI ELECTRIC CORP	Method for controlling power conditioner and system interconnection inverter device
<a href="#">WO 2020181384 A1</a>	OSSIACO INC	Multiple port power converter device
<a href="#">WO 2020159324 A1</a>	WIPOWERONEINC	Power feeding and current collecting system for on-road wireless charging of electric vehicle and industrial machine
<a href="#">WO 2020154669 A1</a>	MAGNA INT INC	Design and optimization of a high power density low voltage DC-DC converter for electric vehicles
<a href="#">WO 2020157053 A1</a>	ETH ZÜRICH	Method for closed-loop control of a three-phase pulse rectifier system with current intermediate circuit
<a href="#">WO 2020179219 A1</a>	NIDEC CORP	Motor unit
<a href="#">WO 2020178131 A1</a>	AUDI AG	Direct cooling of a power converter by using a stamped plate
<a href="#">WO 2020158128 A1</a>	DENSO CORP	Rotating electric machine drive device
<a href="#">WO 2020164895 A1</a>	POWER RES ELECTRONICS B V	Bidirectional power converter
<a href="#">WO 2020152733 A1</a>	MITSUBISHI ELECTRIC CORP	Power conversion device
<a href="#">WO 2020151996 A1</a>	VALEO EMBRAYAGES	Propulsion module for an electric or hybrid vehicle
<a href="#">WO 2020164946 A1</a>	HUDDIG AB	Arrangement and method for hybrid power generation

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## RECARGA DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020186357 A1</a>	OSSIACO INC	EV charger with adaptable charging protocol
<a href="#">WO 2020188590 A1</a>	TVS MOTOR CO LTD	Battery charging system for a hybrid electric vehicle
<a href="#">WO 2020183960 A1</a>	MITSUBISHI MOTORS CORP	Hybrid vehicle
<a href="#">WO 2020188163 A1</a>	PSA AUTOMOBILES SA	Method for controlling the charging of a rechargeable battery module by means of a dynamic programming algorithm
<a href="#">WO 2020187814 A1</a>	RENAULT SAS	Method for controlling the electromagnetic relays of an electric or hybrid motor vehicle
<a href="#">WO 2020191037 A1</a>	CHONGQING JINKANG NEW ENERGY AUTOMOBILE CO LTD	Methods and systems for variable maximum current protection for battery systems
<a href="#">WO 2020148111 A1</a>	FORSCHNER EUGEN GMBH	Device for energy distribution and/or energy conversion
<a href="#">WO 2020149944 A1</a>	FUTUREWEI TECHNOLOGIES INC	Integrated charger and motor control system isolated by motor
<a href="#">WO 2020180657 A1</a>	FERMATA LLC	Methods for using temperature data to protect electric vehicle battery health during use of bidirectional charger
<a href="#">WO 2020151872 A1</a>	AUDI AG	Method for charging a battery
<a href="#">WO 2020145527 A1</a>	HANON SYSTEMS	Thermal management system
<a href="#">WO 2020149537 A1</a>	LG CHEMICAL LTD	Battery charging system and battery charging method
<a href="#">WO 2020153107 A1</a>	HONDA MOTOR CO LTD	Power supply/reception matching device, power supply/reception matching method, and program
<a href="#">WO 2020150155 A1</a>	CUMMINS INC	Systems, apparatuses, and methods for charging multiple vehicles in close proximity
<a href="#">WO 2020164952 A1</a>	REMA LIPPRANDT GMBH CO KG	Electrical charging connector
<a href="#">WO 2020149102 A1</a>	TOYOTA JIDOSHOKKI KK	Charging system and method for controlling charging system
<a href="#">WO 2020176860 A1</a>	MOTION FUSION INC	Autonomous wireless electric vehicle charging system
<a href="#">WO 2020170798 A1</a>	AUTONETWORKS TECHNOLOGIES LTD	Vehicle charge switching device and vehicle charging control device
<a href="#">WO 2020162553 A1</a>	TOYOTA JIDOSHOKKI KK	Charging equipment, and method for controlling charging equipment
<a href="#">WO 2020166602 A1</a>	HONDA MOTOR CO LTD	Charging apparatus, charging method, program, and memory medium

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## CAMBIO DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020179261 A1</a>	PANASONIC IP MAN CO LTD	Battery management system, battery management method, and terminal device
<a href="#">WO 2020153481 A1</a>	HONDA MOTOR CO LTD	Storing device and storing method
<a href="#">WO 2020156771 A1</a>	BOSCH GMBH ROBERT	A method of swapping at least one battery in an electric vehicle

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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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