

#### Noticias

El 1 de abril salió publicado en el BOE el Real Decreto-ley 3/2025, de 1 de abril, por el que se establece el programa de incentivos ligados a la movilidad eléctrica ([MOVES III](#)) para el año 2025.

El plan está dotado con 400 millones de euros para mantener el apoyo a la compra de vehículos eléctricos y la infraestructura de recarga.

Se restablece la deducción del 15% en el IRPF. De igual modo, el Real Decreto-ley prevé la posibilidad de que las comunidades autónomas incorporen nuevas simplificaciones administrativas en la tramitación.

Las ayudas son retroactivas desde el 1 de enero de 2025.

El 10 de abril varios medios de comunicación, entre ellos Radio Televisión Española, informaron que China y la Unión Europea están estudiando la posibilidad de fijar un [precio mínimo para los coches eléctricos](#) que sustituya a los aranceles.

El Ministro de Industria y Turismo, Jordi Hereu, anunció el pasado 8 de mayo, la puesta en marcha de la [cuarta convocatoria del PERTE del Vehículo Eléctrico y Conectado](#), dotada con 1.250 millones de euros, (1.000 en préstamos y 250 en subvenciones), y cuya principal novedad radica en que estará íntegramente gestionada por la Sociedad Estatal de Promoción Industrial y Desarrollo Empresarial (SEPIDES).

El 5 de junio el Ayuntamiento de Madrid hizo pública la nueva edición del [Plan Cambia 360](#) para particulares.

Se han asignado 5.500 euros por la adquisición de vehículos CERO emisiones, 3.500 euros por ECO y 1.500 euros por un C (obligatorio el achatarramiento)

Como novedad en este ejercicio, se ha podido obtener una ayuda de 1.500 euros por la donación de un vehículo con clasificación ambiental A o B a los afectados por la DANA de Valencia en vez de achatarrar.

[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
<a href="#">WO2025127737A1</a>	MINTECH CO LTD [KR]	Mobile battery diagnosis device and electric vehicle battery diagnosis method using same
<a href="#">WO2025099581A1</a>	TATA MOTORS LTD [IN]	A modular casing for a battery of an electric vehicle
<a href="#">WO2025086994A1</a>	SUNWODA MOBILITY ENERGY TECHNOLOGY CO LTD [CN]	Battery pack
<a href="#">WO2025088588A1</a>	ATHER ENERGY LTD [IN]	Method and system for balancing battery pack of electric vehicle
<a href="#">WO2025109667A1</a>	YAMAHA MOTOR CO LTD [JP]	Energy supply station
<a href="#">WO2025097407A1</a>	JIANGSU XCMG STATE KEY LABORATORY TECH CO LTD [CN]	Battery pack vibration reduction apparatus and electric engineering vehicle
<a href="#">WO2025126420A1</a>	VEHICLE ENERGY JAPAN INC [JP]	Battery pack
<a href="#">WO2025086926A1</a>	WUHAN LOTUS CARS CO LTD [CN]	Thermal management device for electric vehicle, charging system and charging station
<a href="#">WO2025116466A1</a>	LG ENERGY SOLUTION LTD [KR]	Silicon carbon composite, negative electrode composition, negative electrode, lithium secondary battery, battery module, battery pack, electric vehicle, and method for manufacturing silicon carbon composite
<a href="#">WO2025065831A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, secondary battery, and electrical apparatus
<a href="#">WO2025084763A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and electric vehicle including same
<a href="#">WO2025129275A1</a>	TRICK SHIFT PERFORMANCE PTY LTD [AU]	Solar battery systems, methods and interface modules
<a href="#">WO2025135559A1</a>	BASS CO LTD [KR]	Solid electrolyte for all-solid-state batteries
<a href="#">WO2025097059A1</a>	UNIV HOUSTON SYSTEM [US]	All-solid-state lithium secondary batteries and methods of preparing the same
<a href="#">WO2025084520A1</a>	SAMSUNG SDI CO LTD [KR]	Negative electrode for all solid-state battery and all solid-state battery including same
<a href="#">WO2025120843A1</a>	VEHICLE ENERGY JAPAN INC [JP]	Secondary battery and method for manufacturing same
<a href="#">WO2025083066A2</a>	KYBURZ SWITZERLAND AG [CH]	Method and device for checking, categorizing, and preparing a process for recycling lithium-ion batteries
<a href="#">WO2025100682A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery management system
<a href="#">WO2025088677A1</a>	RESONAC CORP [JP]	Graphite carbon material for lithium-ion secondary battery anode, anode material for lithium-ion secondary battery, anode for lithium-ion secondary battery, and lithium-ion secondary battery
<a href="#">WO2025095899A1</a>	OYAK RENAULT OTOMOBIL FABRIKALARI ANONIM SIRKETI [TR]	A modular battery case
<a href="#">WO2025126023A1</a>	MASERATI SPA [IT]	A method for allocating thermal cooling power in a vehicle with an electric powertrain
<a href="#">WO2025120091A1</a>	AMPERE SAS [FR]	Onboard system for managing a battery of a vehicle and method for implementing same
<a href="#">WO2025135704A1</a>	POSCO HOLDINGS INC [KR]	High-temperature reduction device for waste battery recycling
<a href="#">WO2025084775A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative active material, method for manufacturing same, negative electrode composition, negative electrode comprising same for lithium secondary battery, and lithium secondary battery comprising negative electrode

<a href="#">WO2025110640A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and vehicle comprising same battery pack
<a href="#">WO2025120753A1</a>	SUBARU CORP [JP]	Detoxification device for battery
<a href="#">WO2025095658A1</a>	LG ENERGY SOLUTION LTD [KR]	Thermal runaway test jig for batteries
<a href="#">WO2025110129A1</a>	TOYOTA MOTOR CO LTD [JP]	Aqueous battery
<a href="#">WO2025095236A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid rechargeable battery, and manufacturing method and device thereof
<a href="#">WO2025084915A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode active material, method for preparing anode active material, anode composition, lithium secondary battery anode comprising same, and lithium secondary battery comprising anode
<a href="#">WO2025121921A1</a>	LG ENERGY SOLUTION LTD [KR]	Secondary battery and method for manufacturing same
<a href="#">WO2025110863A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module, battery pack and vehicle including same
<a href="#">WO2025121850A1</a>	LG ENERGY SOLUTION LTD [KR]	Jig for manufacturing test piece and method for manufacturing test piece using same
<a href="#">WO2025135677A1</a>	POSCO HOLDINGS INC [KR]	Battery shred and method of disposing battery
<a href="#">WO2025084525A1</a>	SAMSUNG SDI CO LTD [KR]	Solid electrolyte, and positive electrode and all-solid rechargeable battery including same
<a href="#">WO2025107907A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery and electric apparatus
<a href="#">WO2025101233A2</a>	FASTLION ENERGY INC [US]	Healthy fast charge battery system and protocol
<a href="#">WO2025135447A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell, battery pack comprising same, vehicle, and manufacturing method therefor
<a href="#">WO2025069757A1</a>	TOYOTA MOTOR CO LTD [JP]	Electrode active material, electrode mixture, battery, and methods for producing same
<a href="#">WO2025093976A1</a>	FIAT RICERCHE [IT]	An electric battery unit with cells having internal passages for a temperature-regulating fluid, an electric vehicle comprising the battery unit and a control method
<a href="#">WO2025116123A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid rechargeable battery
<a href="#">WO2025115365A1</a>	UNIV TOKYO SCIENCE FOUND [JP]	Secondary battery evaluation system and secondary battery evaluation method
<a href="#">WO2025127621A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery assembly, and battery pack and vehicle including same
<a href="#">WO2025074776A1</a>	MITSUBISHI MOTORS CORP [JP]	Battery pack structure
<a href="#">WO2025112374A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery processing apparatus and processing method
<a href="#">WO2025067165A1</a>	SVOLT ENERGY TECH CO LTD [CN]	Secondary battery, electrode sheet, and material strip
<a href="#">WO2025095130A1</a>	MITSUBISHI CHEM CORP [JP]	Battery pack and spacer
<a href="#">WO2025116709A1</a>	ECOPRO BM CO LTD [KR]	Positive electrode active material and lithium secondary battery comprising same
<a href="#">WO2025110364A1</a>	SAMSUNG SDI CO LTD [KR]	Additive for all-solid-state rechargeable batteries, solid electrolyte membrane, and all-solid-state rechargeable batteries
<a href="#">WO2025095737A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid rechargeable battery
<a href="#">WO2025103140A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, lithium-ion battery, and electric device
<a href="#">WO2025085508A1</a>	ASPEN AEROGELS INC [US]	Mitigation of thermal propagation in secondary batteries
<a href="#">WO2025100721A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery management system and battery management method
<a href="#">WO2025071361A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode assembly, cylindrical battery, and battery pack and vehicle including same
<a href="#">WO2025121963A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid-state rechargeable battery and manufacturing method thereof
<a href="#">WO2025135431A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack comprising same
<a href="#">WO2025135323A1</a>	SK ON CO LTD [KR]	Battery module including cooling port

<a href="#">WO2025100772A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack comprising same
<a href="#">WO2025094536A1</a>	MITSUBISHI MOTORS CORP [JP]	Cooling device for battery pack
<a href="#">WO2025074835A1</a>	DENSO CORP [JP]	Battery monitoring system, radio communication program, and radio communication method
<a href="#">WO2025081749A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025110361A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid rechargeable battery
<a href="#">WO2025099565A1</a>	COMAU SPA [IT]	A tray for supporting battery cells, usable in a system for the formation of electrical batteries
<a href="#">WO2025112536A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025097740A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical apparatus
<a href="#">WO2025102049A1</a>	FISKER IP/AUSTRIA ASSETS TRUST [US]	Multi-layer thermal insulation blanket for batteries
<a href="#">WO2025083442A1</a>	NISSAN MOTOR [JP]	Battery system and charging control method
<a href="#">WO2025127496A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode assembly, battery cell including same, and electrode lead welding method
<a href="#">WO2025100741A1</a>	SK ON CO LTD [KR]	Thermal propagation blocking assembly and battery module comprising thermal propagation blocking assembly
<a href="#">WO2025086452A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical device
<a href="#">WO2025083443A1</a>	NISSAN MOTOR [JP]	Battery system and deterioration state estimation method
<a href="#">WO2025095243A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid rechargeable battery
<a href="#">WO2025091852A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery, voltage sampling method, and electric apparatus
<a href="#">WO2025112582A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Secondary battery, manufacturing method and electrical apparatus
<a href="#">WO2025112404A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Tab threading device for battery, and assembly apparatus
<a href="#">WO2025069191A1</a>	SUBARU CORP [JP]	Battery management device
<a href="#">WO2025116427A1</a>	LG ENERGY SOLUTION LTD [KR]	Thermal propagation test method for battery cell and heater for igniting battery cell for thermal propagation test
<a href="#">WO2025084257A1</a>	MAZDA IMASEN ELECTRIC DRIVE CORP [JP]	Cell balance adjustment method and cell balance adjustment device for series secondary battery
<a href="#">WO2025089613A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack comprising same
<a href="#">WO2025083440A1</a>	NISSAN MOTOR [JP]	Battery system and battery control method
<a href="#">WO2025081817A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Negative electrode sheet and preparation method therefor, battery, and electric device
<a href="#">WO2025110850A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025127249A1</a>	SAMSUNG SDI CO LTD [KR]	Manufacturing method of all-solid rechargeable battery
<a href="#">WO2025135570A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for activating all-solid-state battery
<a href="#">WO2025121718A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell manufacturing device
<a href="#">WO2025079319A1</a>	SOKEN INC [JP]	Wireless communication system
<a href="#">WO2025075022A1</a>	SANGO CO LTD [JP]	Battery device, cooling system therefor, cooling plate, cooling assembly, and cooling method
<a href="#">WO2025100771A1</a>	LG ENERGY SOLUTION LTD [KR]	Jig for simulating surface pressure of battery cell
<a href="#">WO2025070957A1</a>	DONGJIN SEMICHEM CO LTD [KR]	Silicon negative electrode active material, negative electrode, and secondary battery comprising same
<a href="#">WO2025110527A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method

<a href="#">WO2025081742A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Winding method, electrode assembly, battery, and electric device
<a href="#">WO2025079933A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module having flame prevention structure, and battery pack comprising same
<a href="#">WO2025107478A1</a>	SUNWODA MOBILITY ENERGY TECHNOLOGY CO LTD [CN]	Battery cell and battery pack comprising same
<a href="#">WO2025103386A1</a>	SVOLT ENERGY TECH CO LTD [CN]	Sealing rubber pin, battery cover plate, battery, and energy storage device
<a href="#">WO2025066097A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode assembly, battery cell, battery, and electrical device
<a href="#">WO2025081770A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode assembly, battery cell, battery and electric device
<a href="#">WO2025110805A1</a>	LG ENERGY SOLUTION LTD [KR]	All-solid-state battery pressing system
<a href="#">WO2025100789A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material for all-solid-state batteries, method for producing same, and positive electrodes and all-solid-state batteries comprising same
<a href="#">WO2025099567A1</a>	COMAU SPA [IT]	Battery cell support tray usable in a system for forming electric batteries, with adapter elements for cells of different shape and/or dimensions
<a href="#">WO2025135998A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack comprising same
<a href="#">WO2025125752A1</a>	COMMISSARIAT ENERGIE ATOMIQUE [FR]	Methods for purifying and regenerating battery-electrode active materials
<a href="#">WO2025100739A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack comprising same
<a href="#">WO2025091093A1</a>	NESTOROV TODOR VLADIMIROV [BG]	High voltage rechargeable battery module
<a href="#">WO2025084699A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode, and lithium secondary battery and battery pack comprising same
<a href="#">WO2025070977A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and vehicle comprising same
<a href="#">WO2025071159A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode for all-solid-state battery, and all-solid-state battery comprising same
<a href="#">WO2025101971A1</a>	TELO TRUCKS INC [US]	Battery packs for electric vehicles
<a href="#">WO2025100909A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module capable of detecting electrolyte leakage
<a href="#">WO2025097736A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Sodium-ion battery cell, secondary battery, and electric device
<a href="#">WO2025095461A1</a>	LG ENERGY SOLUTION LTD [KR]	Cylindrical battery with enhanced sealing
<a href="#">WO2025070978A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and vehicle comprising same
<a href="#">WO2025065504A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical device
<a href="#">WO2025115863A1</a>	PANASONIC IP MAN CO LTD [JP]	Electric power storage module
<a href="#">WO2025127251A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid-state rechargeable battery
<a href="#">WO2025075339A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025105607A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid rechargeable battery
<a href="#">WO2025127706A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack
<a href="#">WO2025116701A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack including same
<a href="#">WO2025091765A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025091250A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery and electrical apparatus
<a href="#">WO2025081058A1</a>	ZITARA TECH INC [US]	System and method for degradation based battery control

<a href="#">WO2025086616A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, secondary battery, and electrical apparatus
<a href="#">WO2025112818A1</a>	BYD CO LTD [CN]	Heat absorption device, battery pack and electric apparatus
<a href="#">WO2025127204A1</a>	DONGWHA ELECTROLYTE CO LTD [KR]	Electrolyte for secondary battery, and lithium secondary battery comprising same
<a href="#">WO2025084768A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery assembly
<a href="#">WO2025114779A1</a>	ELECTROVAYA INC [CA]	Methods and devices for improving charge and discharge rates of batteries
<a href="#">WO2025107774A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Composite current collector, electrode sheet, secondary battery, and electric apparatus
<a href="#">WO2025087034A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Current collecting component, thermal management assembly, battery, and electric device
<a href="#">WO2025070596A1</a>	NIPPON STEEL CORP [JP]	Battery unit
<a href="#">WO2025071086A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025091895A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Separator, battery cell, battery, and electric device
<a href="#">WO2025079889A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis device and method for operating same
<a href="#">WO2025097734A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery pack, electric device and energy storage device
<a href="#">WO2025084772A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery assembly
<a href="#">WO2025137619A1</a>	CANOO TECH INC [US]	Heat generation for the purpose of warming up an ev battery in cold weather
<a href="#">WO2025116497A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack
<a href="#">WO2025070976A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and vehicle comprising same
<a href="#">WO2025132319A1</a>	UNIV AARHUS [DK]	Energy management system for hybrid battery pack
<a href="#">WO2025099569A1</a>	COMAU SPA [IT]	System and method for supporting and moving electric battery cells up to a forming chamber, with use of a degassing mask
<a href="#">WO2025067238A1</a>	D AUS ENERGY STORAGE TECH XIAN CO LTD [CN]	Electrical connector and energy storage apparatus
<a href="#">WO2025088930A1</a>	PANASONIC IP MAN CO LTD [JP]	Information processing method, information processing device, and information processing program
<a href="#">WO2025093975A1</a>	FIAT RICERCHE [IT]	An electric battery unit with a highly efficient temperature-regulating system
<a href="#">WO2025116702A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and device including same
<a href="#">WO2025109130A1</a>	AMPERE SAS [FR]	Degassing system for an electric vehicle battery pack
<a href="#">WO2025065507A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Pressure relief component, battery cell, battery, and electric device
<a href="#">WO2025086646A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode assembly and processing method, battery cell, battery, and electrical device
<a href="#">WO2025070676A1</a>	SUMITOMO METAL MINING CO [JP]	Solid electrolyte for calcium ion secondary battery, and calcium ion secondary battery
<a href="#">WO2025116397A1</a>	LG ENERGY SOLUTION LTD [KR]	All-solid-state lithium-ion secondary battery
<a href="#">WO2025120509A1</a>	SYSTEM CERAMICS S P A [IT]	Method for forming battery cells
<a href="#">WO2025110127A1</a>	MURATA MANUFACTURING CO [JP]	Secondary battery and battery pack
<a href="#">WO2025105823A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery assembly and device including same
<a href="#">WO2025120472A1</a>	SEMICONDUCTOR ENERGY LAB [JP]	Battery

<a href="#">WO2025135846A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for manufacturing pre-lithiated negative electrode, negative electrode manufactured thereby, and lithium secondary battery comprising negative electrode
<a href="#">WO2025102515A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery and electric device
<a href="#">WO2025116278A1</a>	SAMSUNG SDI CO LTD [KR]	Solid electrolyte for all solid-state battery and all solid-state battery including same
<a href="#">WO2025123724A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery, and temperature regulation method and device
<a href="#">WO2025118567A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, electric device, and energy storage apparatus
<a href="#">WO2025089554A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus, battery diagnosis method, and battery diagnosis system
<a href="#">WO2025121920A1</a>	LG ENERGY SOLUTION LTD [KR]	Pouch-type secondary battery and method for manufacturing same
<a href="#">WO2025082055A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode assembly, battery cell, battery, and electric device
<a href="#">WO2025066068A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Composite rolling mechanism, winding device and winding production line
<a href="#">WO2025097722A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell and manufacturing method therefor, battery, and electrical apparatus
<a href="#">WO2025118581A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, electric device, and energy storage cabinet
<a href="#">WO2025071302A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025097717A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical device
<a href="#">WO2025097683A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Sodium ion battery cell, positive electrode sheet, preparation method therefor and related device
<a href="#">WO2025070100A1</a>	DENSO CORP [JP]	Temperature adjustment device
<a href="#">WO2025065498A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery and electric device
<a href="#">WO2025066912A1</a>	BYD CO LTD [CN]	Heat dissipation assembly, battery pack and electric device
<a href="#">WO2025120417A1</a>	FIAT RICERCHE [IT]	Thermoregulating system by immersion of a battery pack comprising cells which have terminals located along a side of the pack
<a href="#">WO2025116754A1</a>	ELION SP Z O O [PL]	A method for recovering nickel and cobalt from a mixture of compounds of these metals from spent lithium-ion batteries
<a href="#">WO2025080112A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and vehicle comprising same battery pack
<a href="#">WO2025066456A1</a>	BYD CO LTD [CN]	Exhaust structure, battery pack, and vehicle
<a href="#">WO2025097741A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical apparatus
<a href="#">WO2025079960A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery case, secondary battery comprising battery case, and battery module comprising secondary battery
<a href="#">WO2025074132A1</a>	NISSAN MOTOR [JP]	All-solid-state battery and control method for all-solid-state battery
<a href="#">WO2025082045A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery and electric device with same
<a href="#">WO2025089679A1</a>	SK INC [KR]	Primer composition, and electrode and secondary battery comprising same
<a href="#">WO2025075384A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery management apparatus and operation method therefor
<a href="#">WO2025089698A1</a>	POSCO FUTURE M CO LTD [KR]	Anode active material for lithium secondary battery, method for preparing same, and lithium secondary battery comprising same
<a href="#">WO2025135979A1</a>	LG ENERGY SOLUTION LTD [KR]	Sulfur-carbon composite manufacturing apparatus and battery cell produced by using same, and battery pack and vehicle comprising battery cell

<a href="#">WO2025116452A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack
<a href="#">WO2025097699A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Secondary battery and electric device
<a href="#">WO2025089888A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack
<a href="#">WO2025097005A1</a>	UNIV MICHIGAN REGENTS [US]	Lithium-ion battery with low temperature rapid charge capability
<a href="#">WO2025092078A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery and electric apparatus
<a href="#">WO2025129683A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery and electric device
<a href="#">WO2025091824A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery and electric device
<a href="#">WO2025098039A1</a>	BYD CO LTD [CN]	Battery pack and vehicle comprising same
<a href="#">WO2025116253A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode for lithium sulfur battery and high energy density lithium sulfur battery comprising same
<a href="#">WO2025127471A1</a>	POSCO HOLDINGS INC [KR]	Solid electrolyte, method of preparation thereof, and lithium secondary battery comprising same
<a href="#">WO2025116347A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery enclosure and energy storage system comprising same
<a href="#">WO2025081370A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025089653A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode active material for all-solid-state battery, cathode, and all-solid-state battery
<a href="#">WO2025135844A1</a>	LG ENERGY SOLUTION LTD [KR]	Compression pad, battery cell stack, and battery module including same
<a href="#">WO2025078927A1</a>	SEMICONDUCTOR ENERGY LAB [JP]	Secondary battery
<a href="#">WO2025097276A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Energy storage system
<a href="#">WO2025116495A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack having mounting holes for assembly and method for assembling battery pack
<a href="#">WO2025087125A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025135505A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module
<a href="#">WO2025127485A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025127484A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025127503A1</a>	SK ON CO LTD [KR]	All-solid- state battery, and method for measuring thickness of all-solid-state battery
<a href="#">WO2025126232A1</a>	TVS MOTOR CO LTD [IN]	Dynamic battery management system
<a href="#">WO2025065501A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical device
<a href="#">WO2025089789A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025070922A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus for evaluating battery cell
<a href="#">WO2025069707A1</a>	SEKISUI CHEMICAL CO LTD [JP]	Curable adhesive for battery
<a href="#">WO2025105603A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid rechargeable battery module
<a href="#">WO2025107779A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Composite current collector, electrode sheet, secondary battery, and electric device
<a href="#">WO2025080002A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for manufacturing anode for lithium secondary battery, anode manufactured thereby, and lithium secondary battery comprising anode
<a href="#">WO2025089734A1</a>	SAMSUNG SDI CO LTD [KR]	Electrode current collector, method for manufacturing same, and lithium battery comprising same

<a href="#">WO2025076286A1</a>	UNM RAINFOREST INNOVATIONS [US]	Improving cycle stability and kinetics of rechargeable al/co2 batteries by functional cathode materials
<a href="#">WO2025135703A1</a>	POSCO HOLDINGS INC [KR]	Shredded battery material and battery disposal method
<a href="#">WO2025089749A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell manufacturing device, battery cell manufacturing system, and battery cell manufacturing method
<a href="#">WO2025127246A1</a>	SAMSUNG SDI CO LTD [KR]	Partition wall jig for secondary battery penetration test and penetration test device and method using same
<a href="#">WO2025082047A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode sheet, electrode assembly, battery cell, battery, and electric device
<a href="#">WO2025079867A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnostic device and method
<a href="#">WO2025084254A1</a>	PANASONIC IP MAN CO LTD [JP]	Nonaqueous electrolyte secondary battery and nonaqueous electrolyte
<a href="#">WO2025115369A1</a>	IBIDEN CO LTD [JP]	Battery pack
<a href="#">WO2025116365A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery enclosure and energy storage system including same
<a href="#">WO2025095567A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery assembly
<a href="#">WO2025127336A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery system and operation method thereof
<a href="#">WO2025110140A1</a>	MITSUBISHI GAS CHEMICAL CO [JP]	All-solid-state battery negative electrode layer and all-solid-state battery
<a href="#">WO2025095379A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell for secondary battery
<a href="#">WO2025116337A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack
<a href="#">WO2025134606A1</a>	SANDEN CORP [JP]	Battery temperature control system for vehicle
<a href="#">WO2025105762A1</a>	FRAMTO INC [KR]	Fe-ni alloy current collector having low resistance multilayer structure and secondary battery comprising same
<a href="#">WO2025107787A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery and electrical device
<a href="#">WO2025065868A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, secondary battery and electrical apparatus
<a href="#">WO2025102640A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Negative electrode slurry and preparation method therefor, negative electrode sheet, sodium secondary battery, and electric device
<a href="#">WO2025087000A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, battery, and electric device
<a href="#">WO2025079907A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrolyte additive, non-aqueous electrolyte for lithium secondary battery comprising same, and lithium secondary battery
<a href="#">WO2025089353A1</a>	HITACHI LTD [JP]	Method for transporting and storing storage battery parts
<a href="#">WO2025123300A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025127431A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module fixing device and battery module fixing method using same
<a href="#">WO2025110585A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack comprising same
<a href="#">WO2025107533A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Composite current collector and preparation method therefor, electrode sheet, battery, and electric device
<a href="#">WO2025135511A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack including same
<a href="#">WO2025121553A1</a>	SAMSUNG SDI CO LTD [KR]	Anode for all-solid-state battery and all-solid-state battery comprising same
<a href="#">WO2025065823A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, secondary battery, and electrical apparatus
<a href="#">WO2025079957A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode for lithium secondary battery, production method therefor, and lithium secondary battery comprising same
<a href="#">WO2025070578A1</a>	PANASONIC IP MAN CO LTD [JP]	Secondary battery
<a href="#">WO2025095535A1</a>	LG ENERGY SOLUTION LTD [KR]	Separator for electrochemical device, manufacturing method therefor, and electrochemical device comprising separator

<a href="#">WO2025102383A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Housing, battery cell, battery and electric device
<a href="#">WO2025116399A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025071111A1</a>	LG ENERGY SOLUTION LTD [KR]	Secondary battery manufacturing method
<a href="#">WO2025110522A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025095377A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode for lithium secondary battery, and lithium secondary battery comprising same
<a href="#">WO2025071315A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode for lithium secondary battery, lithium secondary battery comprising same, and manufacturing method for anode for lithium secondary battery
<a href="#">WO2025100751A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and device including same
<a href="#">WO2025084898A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and device including same
<a href="#">WO2025118577A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Apparatus and method for manufacturing electrode plate of battery cell
<a href="#">WO2025086987A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Collecting pipe fitting, thermal management assembly, battery, and electric device
<a href="#">WO2025116526A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module comprising thermal resin
<a href="#">WO2025112769A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical device
<a href="#">WO2025065503A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery and electric device
<a href="#">WO2025071316A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for manufacturing electrode for lithium secondary battery
<a href="#">WO2025070725A1</a>	MURATA MANUFACTURING CO [JP]	Solid state battery
<a href="#">WO2025095378A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell pressing pad and battery cell pressing apparatus comprising same
<a href="#">WO2025112443A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Secondary battery, electric device, positive electrode active material and preparation method therefor, and positive electrode sheet
<a href="#">WO2025110163A1</a>	GS YUASA INT LTD [JP]	Positive electrode for nonaqueous electrolyte power storage elements, and nonaqueous electrolyte power storage element
<a href="#">WO2025095685A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode assembly and secondary battery comprising same
<a href="#">WO2025066082A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical device
<a href="#">WO2025121371A1</a>	MEISEI CHEMICAL WORKS LTD [JP]	Solid electrolyte medium, composition for solid electrolyte, and secondary battery
<a href="#">WO2025095623A1</a>	LG CHEMICAL LTD [KR]	Cathode active material, method for manufacturing same, and cathode and lithium secondary battery comprising same
<a href="#">WO2025084826A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode active material, lithium secondary battery anode comprising same, and lithium secondary battery comprising anode
<a href="#">WO2025083281A1</a>	AMPERE SAS [FR]	Protective cover for protecting a terminal of a battery module
<a href="#">WO2025095475A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode assembly for secondary battery and battery cell comprising same
<a href="#">WO2025084532A1</a>	SK ON CO LTD [KR]	Apparatus for measuring insulation performance of battery
<a href="#">WO2025088457A1</a>	SEMICONDUCTOR ENERGY LAB [JP]	Battery
<a href="#">WO2025136254A1</a>	IDD ARGE INOVASYON MUHENDISLIK SANAYI VE TICARET LTD SIRKETI [TR]	Structure that increases battery module cooling plate performance
<a href="#">WO2025110737A1</a>	JS E&L CORP [KR]	Battery storage container
<a href="#">WO2025107067A1</a>	LITENS AUTOMOTIVE INC [CA]	Immersion-cooled battery pack thermal management system for inhibiting condensation and humidity detection

<a href="#">WO2025107311A1</a>	XIAMEN AMPACK TECH LIMITED [CN]	Battery module, battery pack, and electrical device
<a href="#">WO2025084698A1</a>	LG ENERGY SOLUTION LTD [KR]	Silicon-carbon composite, anode active material, anode comprising anode active material, and secondary battery comprising anode
<a href="#">WO2025107217A1</a>	PT QMB NEW ENERGY MAT [ID]	P2 type nickel-manganese binary sodium battery positive electrode material, and preparation method and use therefor
<a href="#">WO2025083970A1</a>	PANASONIC IP MAN CO LTD [JP]	Information processing method, information processing device, and information processing program
<a href="#">WO2025070925A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrolyte supply apparatus for secondary battery
<a href="#">WO2025115586A1</a>	PANASONIC IP MAN CO LTD [JP]	Non-aqueous electrolyte secondary battery
<a href="#">WO2025077163A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode assembly, battery cell, battery, and electrical device
<a href="#">WO2025066423A1</a>	SUNWODA MOBILITY ENERGY TECHNOLOGY CO LTD [CN]	Battery pack
<a href="#">WO2025071330A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus for inspecting dryness of electrode, method for inspecting dryness of electrode, and method for manufacturing electrode and secondary battery
<a href="#">WO2025094477A1</a>	TOYOTA MOTOR CO LTD [JP]	Sulfide solid electrolyte, battery, and method for producing sulfide solid electrolyte
<a href="#">WO2025110067A1</a>	PANASONIC IP MAN CO LTD [JP]	Battery pack and method for replacing secondary battery cell thereof
<a href="#">WO2025121908A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium metal battery having low-resistance performance and manufacturing method therefor
<a href="#">WO2025069829A1</a>	PANASONIC IP MAN CO LTD [JP]	Power supply device
<a href="#">WO2025111997A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode assembly and preparation method therefor, battery cell, battery, and electric device
<a href="#">WO2025101029A1</a>	LG ENERGY SOLUTION LTD [KR]	Pressing structure for lithium sulfur battery, and battery module and battery pack including same
<a href="#">WO2025095268A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell manufacturing method
<a href="#">WO2025077142A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode assembly manufacturing device and method, and battery manufacturing apparatus and method
<a href="#">WO2025100890A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus for manufacturing battery
<a href="#">WO2025099449A1</a>	UNIV OXFORD INNOVATION LTD [GB]	Electrode material for a solid-state battery
<a href="#">WO2025097737A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell assembly, manufacturing method therefor, battery cell, battery, and electrical device
<a href="#">WO2025105926A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025121889A1</a>	LG ENERGY SOLUTION LTD [KR]	Cylindrical lithium secondary battery
<a href="#">WO2025091196A1</a>	PT QMB NEW ENERGY MAT [ID]	Carbon-coated lithium-rich manganese-based positive electrode material, preparation method therefor and use thereof
<a href="#">WO2025131060A1</a>	ATOM AUTOMOTIVE ENGINEERING AND TECH NANJING CO LTD [CN]	Electronic switch module for traction battery system of electric vehicle, and traction battery pack
<a href="#">WO2025098243A1</a>	XIAMEN AMPACK TECH LIMITED [CN]	Battery module, battery pack and electrical apparatus
<a href="#">WO2025082088A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode material for lithium secondary battery and preparation method therefor, positive electrode sheet, secondary battery and use method therefor, and electric device
<a href="#">WO2025079922A1</a>	DONGJIN SEMICHEM CO LTD [KR]	Composite, conductive material, electrode, and secondary battery comprising same
<a href="#">WO2025105798A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack comprising block type partition
<a href="#">WO2025103063A1</a>	NIO TECHNOLOGY ANHUI CO LTD [CN]	Battery pack and electrical device
<a href="#">WO2025116663A1</a>	LG ENERGY SOLUTION LTD [KR]	Aging rack and aging system including same

<a href="#">WO2025107822A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode active material and preparation method therefor, battery, and electric device
<a href="#">WO2025135670A1</a>	POSCO HOLDINGS INC [KR]	Negative electrode material for lithium secondary battery and method of manufacturing same
<a href="#">WO2025097693A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery, electric apparatus, and battery management method
<a href="#">WO2025116590A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive active material for lithium secondary battery, preparation method therefor, positive electrode comprising same, and lithium secondary battery
<a href="#">WO2025135528A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025105180A1</a>	MURATA MANUFACTURING CO [JP]	Secondary battery and battery pack
<a href="#">WO2025071323A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode and lithium secondary battery comprising same
<a href="#">WO2025127713A1</a>	POSCO HOLDINGS INC [KR]	Lithium metal electrode for lithium secondary battery and method of manufacturing same
<a href="#">WO2025116710A1</a>	ECOPRO BM CO LTD [KR]	Cathode active material and lithium secondary battery comprising same
<a href="#">WO2025095622A1</a>	LG INNOTEK CO LTD [KR]	Energy storage system
<a href="#">WO2025116138A1</a>	SAMSUNG SDI CO LTD [KR]	Negative electrode for all-solid-state battery, and all-solid-state battery including same
<a href="#">WO2025083668A1</a>	LG ENERGY SOLUTION LTD [KR]	Cylindrical secondary battery and method for manufacturing same
<a href="#">WO2025121886A1</a>	LG ENERGY SOLUTION LTD [KR]	Cylindrical lithium secondary battery
<a href="#">WO2025134875A1</a>	PANASONIC IP MAN CO LTD [JP]	Power supply device
<a href="#">WO2025095474A1</a>	SK ON CO LTD [KR]	Sulfide-based solid electrolyte and lithium secondary battery comprising same
<a href="#">WO2025079956A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode for secondary battery, lithium secondary battery comprising same, and manufacturing method therefor
<a href="#">WO2025127753A1</a>	POSCO HOLDINGS INC [KR]	Cathode active material for lithium secondary battery, manufacturing method therefor and lithium secondary battery including same
<a href="#">WO2025105834A1</a>	SAMSUNG SDI CO LTD [KR]	Negative electrode and lithium battery comprising same
<a href="#">WO2025135876A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025080035A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode assembly and lithium secondary battery comprising same
<a href="#">WO2025080111A1</a>	LG CHEMICAL LTD [KR]	Sulfide-based solid electrolyte, method for producing same, and all-solid-state battery comprising same
<a href="#">WO2025071277A1</a>	LG CHEMICAL LTD [KR]	Sulfide-based solid electrolyte, method for manufacturing same, and all-solid-state battery comprising same
<a href="#">WO2025115366A1</a>	UNIV TOKYO SCIENCE FOUND [JP]	Charging current value estimation system and charging current value estimation method
<a href="#">WO2025105920A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode and lithium secondary battery comprising same
<a href="#">WO2025095583A1</a>	LG CHEMICAL LTD [KR]	Cathode active material, method for manufacturing same, and cathode and lithium secondary battery comprising same
<a href="#">WO2025084110A1</a>	PANASONIC IP MAN CO LTD [JP]	Battery state estimation system, battery state estimation method, battery state estimation program, and recording medium
<a href="#">WO2025111791A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025095714A1</a>	LG CHEMICAL LTD [KR]	Cathode active material, and cathode and lithium secondary battery comprising same
<a href="#">WO2025110357A1</a>	SAMSUNG SDI CO LTD [KR]	Secondary battery
<a href="#">WO2025084750A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode active material, and cathode and lithium secondary battery comprising same
<a href="#">WO2025127395A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode for sodium secondary battery, and sodium secondary battery comprising same

<a href="#">WO2025067572A2</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Winding apparatus, battery processing apparatus and battery production line
<a href="#">WO2025121377A1</a>	STELLA CHEMIFA CORP [JP]	Positive electrode active material coating material and secondary battery provided with same
<a href="#">WO2025116421A1</a>	POSCO HOLDINGS INC [KR]	Solid electrolyte and all solid state battery comprising same
<a href="#">WO2025109915A1</a>	SANDEN CORP [JP]	Heat management system
<a href="#">WO2025135970A1</a>	LG ENERGY SOLUTION LTD [KR]	Container module
<a href="#">WO2025105642A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid-state rechargeable battery
<a href="#">WO2025091842A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery and electric device
<a href="#">WO2025117741A1</a>	MAGNA INT INC [CA]	System and method for making a battery tray assembly
<a href="#">WO2025070597A1</a>	NIPPON STEEL CORP [JP]	Battery unit
<a href="#">WO2025111237A1</a>	TESLA INC [US]	Cyclic sulfur containing additive compounds for high voltage energy storage device electrolytes, and processes thereof
<a href="#">WO2025095473A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode active material, negative electrode slurry, negative electrode, and secondary battery
<a href="#">WO2025134203A1</a>	NISSAN MOTOR [JP]	Ocv measurement method and ocv measurement device
<a href="#">WO2025071321A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode active material, method for preparing negative electrode active material, negative electrode composition, negative electrode for lithium secondary battery comprising same, and lithium secondary battery comprising negative electrode
<a href="#">WO2025105641A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid-state rechargeable battery
<a href="#">WO2025075336A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025121824A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus for activating battery cell and method for activating battery cell using same
<a href="#">WO2025120995A1</a>	DENSO CORP [JP]	Battery module and battery cooling system
<a href="#">WO2025082255A1</a>	GUANGZHOU TINCI MATERIALS TECH CO LTD [CN]	Electrolyte additive, electrolyte, battery and electric device
<a href="#">WO2025135873A1</a>	SK ON CO LTD [KR]	Composition for manufacturing cathode, cathode for secondary battery, and secondary battery
<a href="#">WO2025110824A1</a>	KOREA ADVANCED INST SCI & TECH [KR]	Secondary battery and method for manufacturing secondary battery
<a href="#">WO2025083487A1</a>	3M INNOVATIVE PROPERTIES COMPANY [US]	Injection molded articles comprising a nonwoven and methods of using the same
<a href="#">WO2025069739A1</a>	MURATA MANUFACTURING CO [JP]	Solid state battery
<a href="#">WO2025102857A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Lithium iron phosphate and preparation method therefor and use thereof, and ammonium salt compound and use thereof
<a href="#">WO2025069830A1</a>	PANASONIC IP MAN CO LTD [JP]	Power supply device
<a href="#">WO2025075417A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module
<a href="#">WO2025103141A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Lithium ion battery and electric device
<a href="#">WO2025089077A1</a>	PANASONIC IP MAN CO LTD [JP]	Power supply device
<a href="#">WO2025110517A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025110518A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025110088A1</a>	MITSUBISHI GAS CHEMICAL CO [JP]	Solid electrolyte sheet, method for producing same, and all-solid-state battery having said solid electrolyte sheet
<a href="#">WO2025084526A1</a>	SAMSUNG SDI CO LTD [KR]	Solid electrolyte, and positive electrode and all-solid rechargeable battery including same
<a href="#">WO2025084291A1</a>	FUJITUSYO CO LTD [JP]	Double-sided negative electrode all-solid-state battery

<a href="#">WO2025110521A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025121773A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery management device and battery management method
<a href="#">WO2025104462A1</a>	NISSAN MOTOR [JP]	Abnormality determination system and abnormality determination method
<a href="#">WO2025095239A1</a>	SAMSUNG SDI CO LTD [KR]	Negative electrode for all-solid-state battery and all-solid-state battery including same
<a href="#">WO2025070394A1</a>	MURATA MANUFACTURING CO [JP]	Secondary battery and method for manufacturing same
<a href="#">WO2025100871A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell stack assembling method and battery cell stack assembling device used therefor
<a href="#">WO2025088940A1</a>	PANASONIC IP MAN CO LTD [JP]	Power supply device
<a href="#">WO2025135548A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module
<a href="#">WO2025105872A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode, lithium secondary battery, and method for manufacturing electrode
<a href="#">WO2025110620A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack
<a href="#">WO2025116712A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery with excellent thermal stability, and manufacturing method therefor
<a href="#">WO2025127584A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus and method for managing battery
<a href="#">WO2025121554A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid-state battery
<a href="#">WO2025075410A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell and battery assembly comprising same
<a href="#">WO2025105712A1</a>	DONGJIN SEMICHEM CO LTD [KR]	Silicon negative electrode active material, negative electrode, and secondary battery comprising same
<a href="#">WO2025111204A1</a>	WPC TECH INC [US]	Battery cathodes comprising intrinsically conductive polymers
<a href="#">WO2025071087A1</a>	POSCO FUTURE M CO LTD [KR]	Cathode active material for lithium secondary battery, preparation method therefor, and lithium secondary battery comprising same
<a href="#">WO2025127114A1</a>	MAXELL LTD [JP]	Electrode for all-solid-state battery and all-solid-state battery
<a href="#">WO2025083025A1</a>	TRUMPF LASER UND SYSTEMTECHNIK SE [DE]	Laser-supported disassembling of a battery arrangement
<a href="#">WO2025127115A1</a>	MAXELL LTD [JP]	All-solid-state battery
<a href="#">WO2025070048A1</a>	GS YUASA INT LTD [JP]	Electricity storage device, information processing method, and computer program
<a href="#">WO2025066098A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode sheet compositing apparatus and method, composite electrode sheet, battery, and electric device
<a href="#">WO2025116398A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025089760A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode and manufacturing method therefor
<a href="#">WO2025095555A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and manufacturing method therefor
<a href="#">WO2025127491A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025074755A1</a>	NU REI CO LTD [JP]	Charging and discharging method of storage battery, and storage battery module
<a href="#">WO2025075373A1</a>	LG ENERGY SOLUTION LTD [KR]	Thermal barrier for secondary battery and battery pack comprising same
<a href="#">WO2025089590A1</a>	POSCO FUTURE M CO LTD [KR]	Cathode active material for lithium secondary battery, manufacturing method therefor, and lithium secondary battery comprising same
<a href="#">WO2025089934A1</a>	POSCO HOLDINGS INC [KR]	Cathode active material for lithium secondary battery, manufacturing method thereof and lithium secondary battery comprising same
<a href="#">WO2025107539A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode active material and preparation method therefor, battery and electrical apparatus
<a href="#">WO2025095588A1</a>	LG ENERGY SOLUTION LTD [KR]	Dry electrode, manufacturing method therefor, and lithium secondary battery comprising same
<a href="#">WO2025091907A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte additive, electrolyte, battery and electric device

<a href="#">WO2025100624A1</a>	BTR CO LTD [KR]	Battery diagnosis program using battery internal resistance stored in recording medium
<a href="#">WO2025095711A1</a>	LG CHEMICAL LTD [KR]	Cathode active material, preparation method therefor, and cathode and lithium secondary battery comprising same
<a href="#">WO2025070972A1</a>	KOREA KUMHO PETROCHEMICAL CO LTD [KR]	Solid electrolyte membrane and all-solid-state battery comprising same
<a href="#">WO2025084889A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for manufacturing secondary battery
<a href="#">WO2025084709A1</a>	LG ENERGY SOLUTION LTD [KR]	Secondary battery
<a href="#">WO2025127493A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025075342A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025116385A1</a>	POWER LOGICS CO LTD [KR]	Battery module sensing unit and battery module including same
<a href="#">WO2025075343A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025116621A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode composite film, manufacturing method therefor, and lithium secondary battery comprising same
<a href="#">WO2025135732A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode, method for manufacturing same, and lithium secondary battery comprising same
<a href="#">WO2025092091A1</a>	EVE ENERGY CO LTD [CN]	Positive electrode sheet, battery, and battery pack
<a href="#">WO2025091825A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode piece, battery, and electric device
<a href="#">WO2025116551A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus and method for diagnosing battery
<a href="#">WO2025127492A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025089887A1</a>	POSCO FUTURE M CO LTD [KR]	Cathode material for lithium secondary battery and method of manufacturing same
<a href="#">WO2025097677A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode sheet and preparation method therefor, battery, and electric device
<a href="#">WO2025110483A1</a>	ECUBE MAT INC [KR]	Carbon nanotube and carbon black composite network-type silicon negative electrode material for lithium-ion secondary battery
<a href="#">WO2025127631A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack
<a href="#">WO2025092610A1</a>	BYD CO LTD [CN]	Heat sink, battery assembly, battery device, and electric system
<a href="#">WO2025066028A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery and electrical apparatus
<a href="#">WO2025095762A1</a>	LG CHEMICAL LTD [KR]	Cathode active material, method for preparing same, and cathode and lithium secondary battery comprising same
<a href="#">WO2025086606A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte and preparation method therefor, secondary battery, and power-consuming device
<a href="#">WO2025114738A1</a>	NISSAN MOTOR [JP]	Lithium-containing composition, positive electrode material for closed-type lithium oxygen battery using same, positive electrode for closed-type lithium oxygen battery, and closed-type lithium oxygen battery
<a href="#">WO2025135682A1</a>	POSCO HOLDINGS INC [KR]	Unit battery shredded material, battery shredded material including same, and battery processing method
<a href="#">WO2025120525A1</a>	SYSTEM CERAMICS S P A [IT]	Storage for the process of aging electrochemical cells and method for implementing an aging process on electrochemical cells
<a href="#">WO2025110791A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025071071A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for determining defect of battery cell
<a href="#">WO2025085362A1</a>	UNIV CALIFORNIA [US]	Anode-free sodium all-solid-state battery
<a href="#">WO2025107526A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Composite current collector, electrode plate, secondary battery, and electrical apparatus

<a href="#">WO2025071075A1</a>	SEOJIN IND CO LTD [KR]	Battery case to which mechanical coupling of different materials ensuring watertight performance is applied and chassis frame integrated with battery case
<a href="#">WO2025109609A1</a>	TVS MOTOR CO LTD [IN]	An energy storage assembly for vehicle
<a href="#">WO2025098256A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Case assembly of battery, battery, and electrical device
<a href="#">WO2025095580A1</a>	LG ENERGY SOLUTION LTD [KR]	Secondary battery and method for manufacturing secondary battery
<a href="#">WO2025095694A1</a>	NAT UNIV GYEONGSANG IACF [KR]	Negative electrode protection layer for zinc-ion battery, zinc-ion battery including same, and manufacturing method thereof
<a href="#">WO2025127006A1</a>	GS YUASA INT LTD [JP]	Non-aqueous electrolyte power storage element and production method for same
<a href="#">WO2025095568A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery assembly and battery pack comprising same
<a href="#">WO2025127895A1</a>	POSCO HOLDINGS INC [KR]	Negative electrode active material, negative electrode, and secondary battery including same
<a href="#">WO2025116501A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module
<a href="#">WO2025121894A1</a>	MINTECH CO LTD [KR]	Real-time safety diagnosis rapid and complete discharge process for recycling battery
<a href="#">WO2025105909A1</a>	POSCO HOLDINGS INC [KR]	Valuable metal recovery reactant, valuable metal shred, and method of recovering valuable metal
<a href="#">WO2025135903A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery, battery pack, and electric vehicle
<a href="#">WO2025070053A1</a>	GS YUASA INT LTD [JP]	Power storage element
<a href="#">WO2025075340A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025127818A1</a>	NAT UNIV GYEONGSANG IACF [KR]	Porous structure comprising pore structure of various sizes, method for producing same, and electrode for secondary battery using same
<a href="#">WO2025135522A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode material and lithium secondary battery comprising same
<a href="#">WO2025127708A1</a>	LG ENERGY SOLUTION LTD [KR]	Secondary battery
<a href="#">WO2025095552A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack
<a href="#">WO2025075337A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025110362A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid rechargeable battery
<a href="#">WO2025116476A1</a>	LG ENERGY SOLUTION LTD [KR]	Insert device
<a href="#">WO2025075338A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus and battery diagnosis method
<a href="#">WO2025116234A1</a>	POSCO HOLDINGS INC [KR]	Solid electrolyte, method for preparing same, and lithium secondary battery comprising same
<a href="#">WO2025089504A1</a>	SAMSUNG SDI CO LTD [KR]	Apparatus for manufacturing secondary battery case
<a href="#">WO2025071227A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode, anode dam coating composition, and lithium secondary battery
<a href="#">WO2025066238A9</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode sheet, battery, and electrical device
<a href="#">WO2025075406A1</a>	SK ON CO LTD [KR]	Battery manufacturing system and control method thereof
<a href="#">WO2025089799A1</a>	POSCO FUTURE M CO LTD [KR]	Anode active material for lithium secondary battery and lithium secondary battery comprising same
<a href="#">WO2025121964A1</a>	UNIV KOREA RES & BUS FOUND [KR]	Lithium metal electrode in which dendrite formation is suppressed, method for manufacturing same, and secondary battery comprising same
<a href="#">WO2025089824A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative active material, method for preparing same, negative electrode composition, negative electrode comprising same for lithium secondary battery, and lithium secondary battery comprising negative electrode
<a href="#">WO2025112386A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Secondary battery and electronic device
<a href="#">WO2025066099A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode material and preparation method thereof, positive electrode, sodium battery and electric device

<a href="#">WO2025070555A1</a>	PANASONIC IP MAN CO LTD [JP]	Nonaqueous electrolyte secondary battery
<a href="#">WO2025102759A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	High-voltage sampling circuit and battery management system
<a href="#">WO2025089825A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative active material, method for preparing same, negative electrode composition, negative electrode comprising same for lithium secondary battery, and lithium secondary battery comprising negative electrode
<a href="#">WO2025116136A1</a>	SAMSUNG SDI CO LTD [KR]	Heat absorbing sheet, battery cell, and battery module
<a href="#">WO2025127834A1</a>	LG ENERGY SOLUTION LTD [KR]	Silicon carbon composite, negative electrode active material, negative electrode composition, negative electrode, and secondary battery
<a href="#">WO2025105862A1</a>	LG ENERGY SOLUTION LTD [KR]	Secondary battery and cell stack comprising same
<a href="#">WO2025099257A1</a>	NORTHVOLT AB [SE]	Laser cutting
<a href="#">WO2025136001A1</a>	POSCO HOLDINGS INC [KR]	Positive electrode active material for lithium secondary battery and lithium secondary battery comprising same
<a href="#">WO2025135543A1</a>	SK ON CO LTD [KR]	Lithium secondary battery
<a href="#">WO2025075455A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode composite film, manufacturing method therefor, and lithium secondary battery comprising same
<a href="#">WO2025079642A1</a>	NITTO DENKO CORP [JP]	Heat insulation material
<a href="#">WO2025089802A1</a>	POSCO FUTURE M CO LTD [KR]	Anode active material for lithium secondary battery and lithium secondary battery comprising same
<a href="#">WO2025083447A1</a>	TI AUTOMOTIVE TECH CT GMBH [DE]	Thermal management structure for power electronic device
<a href="#">WO2025089164A1</a>	GS YUASA INT LTD [JP]	Power storage element and power storage device
<a href="#">WO2025100897A1</a>	LG ENERGY SOLUTION LTD [KR]	Optical feedback communication method and battery management system performing same
<a href="#">WO2025116137A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid-state battery
<a href="#">WO2025068526A1</a>	NORTHVOLT AB [SE]	Lithium-doped electrode in an electrode roll, and a secondary cell
<a href="#">WO2025070662A1</a>	FUJIFILM CORP [JP]	Composition for all-solid-state secondary battery, sheet for all-solid-state secondary battery, and all-solid-state secondary battery
<a href="#">WO2025135729A1</a>	POSCO HOLDINGS INC [KR]	Cathode active material for lithium secondary battery and lithium secondary battery comprising same
<a href="#">WO2025100403A1</a>	GS YUASA INT LTD [JP]	Method for producing recycled active material and method for producing nonaqueous electrolyte power storage element
<a href="#">WO2025121229A1</a>	OSAKA SODA CO LTD [JP]	Negative electrode protective film for solid-state battery, negative electrode layer for solid-state battery, and solid-state battery
<a href="#">WO2025076648A1</a>	DONGGUAN AMPEREX TECH LTD [CN]	Secondary battery and electronic apparatus
<a href="#">WO2025135810A1</a>	POSCO SILICON SOLUTION CO LTD [KR]	Negative electrode material for lithium secondary battery and secondary battery comprising same
<a href="#">WO2025080039A1</a>	LG CHEMICAL LTD [KR]	Positive electrode active material and method for preparing same
<a href="#">WO2025100900A1</a>	CJ CHEILJEDANG CORP [KR]	Thick film electrode and secondary battery including same
<a href="#">WO2025135809A1</a>	POSCO SILICON SOLUTION CO LTD [KR]	Negative electrode material for lithium secondary battery and secondary battery comprising same
<a href="#">WO2025100884A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and energy storage device comprising same
<a href="#">WO2025116400A1</a>	LG CHEMICAL LTD [KR]	Cathode active material, and cathode and lithium secondary battery comprising same
<a href="#">WO2025086284A1</a>	SHENZHEN INX TECH CO LTD [CN]	Electrolyte, secondary battery, and electric device
<a href="#">WO2025135806A1</a>	POSCO HOLDINGS INC [KR]	Negative electrode material for lithium secondary battery, and secondary battery comprising same
<a href="#">WO2025089820A1</a>	ECOPRO BM CO LTD [KR]	Cathode active material and lithium secondary battery comprising same
<a href="#">WO2025084765A1</a>	SK ON CO LTD [KR]	Power blocking method based on abnormal temperature and system thereof
<a href="#">WO2025136003A1</a>	POSCO HOLDINGS INC [KR]	Positive electrode active material precursor for lithium secondary battery, positive electrode active material for lithium secondary battery, and lithium secondary battery
<a href="#">WO2025069911A1</a>	SANOH IND CO LTD [JP]	Cooler

<a href="#">WO2025115375A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Electric power storage module
<a href="#">WO2025071228A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode, composition for anode dam coating, and lithium secondary battery
<a href="#">WO2025089677A1</a>	POSCO FUTURE M CO LTD [KR]	Anode active material for lithium secondary battery, method for manufacturing same, and lithium secondary battery comprising same
<a href="#">WO2025116264A1</a>	DONGJIN SEMICHEM CO LTD [KR]	Conductive material slurry, positive electrode, and secondary battery comprising same
<a href="#">WO2025093455A1</a>	SPECIALTY OPERATIONS FRANCE [FR]	Lithium secondary battery with enhanced energy density
<a href="#">WO2025095584A1</a>	LG CHEMICAL LTD [KR]	Positive electrode active material, positive electrode, and lithium secondary battery
<a href="#">WO2025084225A1</a>	NICHIAS CORP [JP]	Heat-insulating elastic member, method for manufacturing heat-insulating elastic member, and secondary battery
<a href="#">WO2025095710A1</a>	LG CHEMICAL LTD [KR]	Cathode active material, manufacturing method therefor, and cathode and lithium secondary battery comprising same
<a href="#">WO2025105936A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery simulation device and operating method therefor
<a href="#">WO2025111650A1</a>	LAKHEY HOLDINGS PTY LTD [AU]	A process for producing a cathode material from an iron source
<a href="#">WO2025116980A1</a>	ZHANG CHAOJIONG [US]	Battery self-discharge current measurement and monitoring with parallel cell group
<a href="#">WO2025135808A1</a>	POSCO SILICON SOLUTION CO LTD [KR]	Negative electrode material for lithium secondary battery and secondary battery comprising same
<a href="#">WO2025135812A1</a>	POSCO SILICON SOLUTION CO LTD [KR]	Negative electrode material for lithium secondary battery, and secondary battery comprising same
<a href="#">WO2025116625A1</a>	COREENERGY SOLUTION CO LTD [KR]	Negative electrode active material for secondary battery, method for manufacturing same, and negative electrode comprising same for secondary battery
<a href="#">WO2025115754A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Method for manufacturing electric power storage module, and electric power storage module
<a href="#">WO2025135445A1</a>	SK ON CO LTD [KR]	Anode for secondary battery and lithium secondary battery including same
<a href="#">WO2025089150A1</a>	GS YUASA INT LTD [JP]	Power storage device
<a href="#">WO2025071322A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode and lithium secondary battery comprising same
<a href="#">WO2025121907A1</a>	LG ENERGY SOLUTION LTD [KR]	Polymer solid electrolyte membrane and manufacturing method therefor
<a href="#">WO2025089838A1</a>	YOULCHON CHEMICAL CO LTD [KR]	Pouch film, pouch-type battery case and secondary battery comprising same, and method for manufacturing same
<a href="#">WO2025091988A1</a>	BTR NEW MAT GROUP CO LTD [CN]	Negative electrode material and preparation method therefor, lithium-ion battery
<a href="#">WO2025071327A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathod and lithium secondary battery comprising same
<a href="#">WO2025080106A1</a>	POSCO HOLDINGS INC [KR]	Manufacturing method of positive electrode active material for lithium secondary battery, positive electrode active material for lithium secondary battery, and lithium secondary battery comprising same
<a href="#">WO2025116617A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode composite film, manufacturing method thereof, and dry electrode and lithium secondary battery comprising same
<a href="#">WO2025079959A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode cell and manufacturing method therefor
<a href="#">WO2025094985A1</a>	MITSUBISHI GAS CHEMICAL CO [JP]	Method for producing sulfide solid electrolyte and method for producing all-solid-state cell
<a href="#">WO2025095619A1</a>	HANSOL CHEMICAL CO LTD [KR]	Copolymer for separator and secondary battery comprising same
<a href="#">WO2025080036A1</a>	LG CHEMICAL LTD [KR]	Positive electrode active material and method for preparing same
<a href="#">WO2025127353A1</a>	POSCO HOLDINGS INC [KR]	Lithium sulfide powder with improved ionic conductivity retention and preparation method thereof
<a href="#">WO2025111410A1</a>	CHETTIAR KANNAPPAN KARUPPAN [US]	Smart battery switch for automatic charging and equalization during off-mode
<a href="#">WO2025084153A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Method for manufacturing electric power storage module
<a href="#">WO2025097688A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Adhesive composition and preparation method therefor, battery pack, and electric device
<a href="#">WO2025129347A1</a>	ELUMEN LIGHTING NETWORKS INC [CA]	Energy storage with heater

<a href="#">WO2025070432A1</a>	NITTO DENKO CORP [JP]	Heat insulating material
<a href="#">WO2025071144A1</a>	CHUNBO CO LTD [KR]	Composition containing lithium bis(fluorosulfonyl)imide and lithium fluorosulfonate
<a href="#">WO2025091394A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Fluorine-containing polymer, preparation method therefor, positive electrode sheet, secondary battery and electric device
<a href="#">WO2025084421A1</a>	RESONAC CORP [JP]	Solid electrolyte, solid electrolyte sintered body, and lithium ion secondary battery
<a href="#">WO2025108177A1</a>	NANJING CHERVON IND CO LTD [CN]	Energy conversion device, inverter device, and energy conversion system
<a href="#">WO2025066095A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode plate laminating device, bare cell winding apparatus, and bare cell winding method
<a href="#">WO2025080043A1</a>	SCS CO LTD [KR]	Ptc heater
<a href="#">WO2025135733A1</a>	POSCO HOLDINGS INC [KR]	Solid electrolyte, method for manufacturing same, and all-solid-state battery comprising same
<a href="#">WO2025075437A1</a>	SK ON CO LTD [KR]	Suctioning device for thin film sheet and suctioning method using same
<a href="#">WO2025115971A1</a>	FUKOKU KK [JP]	Method for manufacturing heat insulation buffer laminated sheet and battery unit using heat insulation buffer laminated sheet
<a href="#">WO2025125818A1</a>	UNIV BIRMINGHAM [GB]	Battery electrode material recovery
<a href="#">WO2025071044A1</a>	LG ENERGY SOLUTION LTD [KR]	Charging management device and operation method thereof
<a href="#">WO2025110711A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for deactivating outermost negative electrodes, method for manufacturing electrode assembly, and electrode assembly
<a href="#">WO2025066595A1</a>	HU BEI JIU NING CHEMICAL TECH CO LTD [CN]	Method for preparing sodium hexafluorophosphate by gas-solid process, and use of same
<a href="#">WO2025069417A1</a>	NGK INSULATORS LTD [JP]	Solid electrolyte, method for manufacturing solid electrolyte, and battery
<a href="#">WO2025075428A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode current collector, lithium secondary battery comprising same, battery module, and battery pack
<a href="#">WO2025084766A1</a>	LG ENERGY SOLUTION LTD [KR]	Dry electrode for electrochemical device
<a href="#">WO2025077298A1</a>	SAIC GM WULING AUTOMOBILE CO LTD [CN]	Battery level correction method for battery management system, and system
<a href="#">WO2025104719A1</a>	SPARKION POWER ALGORITHMS LTD [IL]	A dynamic DC bus system and method for connecting different electrical power elements with different characteristics thereto
<a href="#">WO2025127525A1</a>	L&F CO LTD [KR]	Cathode active material and secondary battery having same
<a href="#">WO2025071484A1</a>	AGENCY SCIENCE TECH & RES [SG]	Rapid curing of phosphorus allyl/vinyl compounds for flame retardant polymeric matrix
<a href="#">WO2025078507A1</a>	SCHOTT AG [DE]	Hybrid solid electrolyte (hse), processes and uses thereof
<a href="#">WO2025121922A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode and lithium secondary battery comprising same
<a href="#">WO2025105902A1</a>	HANSOL CHEMICAL CO LTD [KR]	Binder comprising polyamide polymer, cathode for secondary battery comprising binder, and secondary battery comprising cathode
<a href="#">WO2025075450A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode material powder and method for manufacturing positive electrode material powder
<a href="#">WO2025075419A1</a>	KOREA INST IND TECH [KR]	Lithium lanthanum zirconium oxide solid electrolyte prepared using high-frequency focused homogenization synthesis method, and preparation method therefor
<a href="#">WO2025121959A1</a>	LG CHEMICAL LTD [KR]	Separator for electrochemical device and electrochemical device comprising same
<a href="#">WO2025084063A1</a>	OHARA KK [JP]	Sodium-ion-conductive glass ceramic
<a href="#">WO2025116624A1</a>	COREENERGY SOLUTION CO LTD [KR]	Conductive composite binder for lithium secondary battery negative electrode, and lithium secondary battery negative electrode comprising same
<a href="#">WO2025079515A1</a>	IDEMITSU KOSAN CO [JP]	Lithium-ion-selective permeable membrane, lithium-ion recovery device, and sensor
<a href="#">WO2025120528A1</a>	SYSTEM CERAMICS S P A [IT]	Warehouse for the formation of electrochemical cells
<a href="#">WO2025135807A1</a>	POSCO SILICON SOLUTION CO LTD [KR]	Negative electrode material for lithium secondary battery and secondary battery comprising same
<a href="#">WO2025091676A1</a>	JIANGSU SUPER PANTHER POWER TECH CO LTD [CN]	Power battery system and vehicle
<a href="#">WO2025115381A1</a>	TOAGOSEI CO LTD [JP]	Molecular crystal, solid electrolyte, and power storage device

<a href="#">WO2025083575A1</a>	3M INNOVATIVE PROPERTIES COMPANY [US]	Article with thermal insulation properties
<a href="#">WO2025075321A1</a>	LG ENERGY SOLUTION LTD [KR]	Data processing device and operating method thereof
<a href="#">WO2025089262A1</a>	TDK CORP [JP]	Power storage element
<a href="#">WO2025089819A1</a>	HANSOL CHEMICAL CO LTD [KR]	Copolymer, viscosity reducer and cathode slurry composition each comprising copolymer, cathode comprising cathode slurry composition, and secondary battery comprising cathode
<a href="#">WO2025116627A1</a>	COREENERGY SOLUTION CO LTD [KR]	Positive electrode active material for lithium secondary battery, method for producing same, and positive electrode for lithium secondary battery comprising same
<a href="#">WO2025134971A1</a>	IDEMITSU KOSAN CO [JP]	Method for manufacturing positive electrode mixture
<a href="#">WO2025120016A1</a>	ACCUMULATEURS FIXES [FR]	Buffer layer for electrochemical elements
<a href="#">WO2025095502A1</a>	LG ENERGY SOLUTION LTD [KR]	Pack housing
<a href="#">WO2025129062A1</a>	UNIV TEXAS [US]	Carbon coated SNO <sub>2</sub> /TiO <sub>2</sub> electrode materials
<a href="#">WO2025075411A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode assembly manufacturing apparatus and electrode assembly manufacturing method
<a href="#">WO2025100683A1</a>	LG ENERGY SOLUTION LTD [KR]	Dummy assembly
<a href="#">WO2025128709A1</a>	SONOCHARGE ENERGY INC [US]	Devices, systems, and methods for improving electrolyte wetting
<a href="#">WO2025079549A1</a>	DOWA HOLDINGS CO LTD [JP]	Method for producing regenerated positive electrode material precursor and regenerated positive electrode material, and method for using regenerated positive electrode material
<a href="#">WO2025126707A1</a>	TOAGOSEI CO LTD [JP]	Composition, fired product, solid electrolyte, and power storage device
<a href="#">WO2025095522A1</a>	LG CHEMICAL LTD [KR]	Positive electrode material and method for manufacturing same
<a href="#">WO2025120881A1</a>	MUSASHI SEIMITSU KOGYO KK [JP]	Electrode composite for power storage cell, power storage cell, power storage module, and method for manufacturing electrode composite for power storage cell
<a href="#">WO2025089927A1</a>	POSCO HOLDINGS INC [KR]	Method for recovering lithium
<a href="#">WO2025116491A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode material, manufacturing method therefor, and cathode and lithium secondary battery comprising same
<a href="#">WO2025100907A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material and method for producing positive electrode active material
<a href="#">WO2025115433A1</a>	TOAGOSEI CO LTD [JP]	Solid electrolyte, curable composition, and power storage device
<a href="#">WO2025079993A1</a>	LG ENERGY SOLUTION LTD [KR]	Solid electrolyte composition and manufacturing method therefor
<a href="#">WO2025089770A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for recovering lithium
<a href="#">WO2025071326A1</a>	LG CHEMICAL LTD [KR]	Current collector
<a href="#">WO2025095375A1</a>	KERI KOREA ELECTROTECHNOLOGY RES INST [KR]	Method for preparing non-fluorine-based siloxane-polymer composite binder, non-fluorine-based siloxane-polymer composite binder prepared using same, and electrode comprising same
<a href="#">WO2025120651A1</a>	TVS MOTOR CO LTD [IN]	A charging connector of a vehicle
<a href="#">WO2025101774A1</a>	FASTCAP SYSTEMS CORP [US]	Electrodes for energy storage devices
<a href="#">WO2025120652A1</a>	TVS MOTOR CO LTD [IN]	An energy storage unit
<a href="#">WO2025110209A1</a>	UNIV OSAKA PUBLIC CORP [JP]	Inorganic sulfide having glass phase
<a href="#">WO2025087912A1</a>	ARLANXEO HIGH PERFORMANCE ELASTOMERS CHANGZHOU CO LTD [CN]	Binder composite for electrochemical energy storage devices based on hydrogenated nitrile rubber and polycondensates
<a href="#">WO2025075989A2</a>	UNIV CALIFORNIA [US]	Synthesis of partially disordered phase in rocksalt materials via electrochemical pulsing
<a href="#">WO2025095017A1</a>	UBE CORP [JP]	Transition metal composite oxide powder, electrode obtained using same, and non-aqueous electrolyte power storage device

<a href="#">WO2025104146A1</a>	SOLITHOR [BE]	Solid electrolyte separators and method for manufacturing the same
<a href="#">WO2025085290A1</a>	NOVONIX BATTERY TECH SOLUTIONS INC [CA]	Dry post-treatment processes for lithium transition metal oxide cathode materials

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## SUPERCONDENSADORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025121173A1</a>	FUJITUSYO CO LTD [JP]	Lithium ion capacitor
<a href="#">WO2025089127A1</a>	GS YUASA INT LTD [JP]	Power storage element
<a href="#">WO2025085932A1</a>	CAPYBARA ENERGY LLC [US]	Supercapacitor and method of managing energy thereof
<a href="#">WO2025103299A1</a>	CHINA PETROLEUM & CHEM CORP [CN]	Porous carbon material, preparation method therefor and use thereof, and supercapacitor
<a href="#">WO2025115376A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Power storage device
<a href="#">WO2025074694A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Power storage module production method
<a href="#">WO2025079310A1</a>	TOYOTA CHUO KENKYUSHO KK [JP]	Restoring agent, restoring method, and method for manufacturing power storage device
<a href="#">WO2025078683A1</a>	RIPPERT CHARLES [ES]	Method and system for charging mobile energy storage cells
<a href="#">WO2025105054A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Power storage module manufacturing apparatus
<a href="#">WO2025115432A1</a>	TOAGOSEI CO LTD [JP]	Solid electrolyte and power storage device
<a href="#">WO2025095057A1</a>	PANASONIC IP MAN CO LTD [JP]	Power storage device
<a href="#">WO2025094733A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Power storage device
<a href="#">WO2025115451A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Electric power storage module
<a href="#">WO2025126691A1</a>	TOAGOSEI CO LTD [JP]	Composite electrolyte, method for producing same, and power storage device
<a href="#">WO2025095061A1</a>	PANASONIC IP MAN CO LTD [JP]	Power storage device
<a href="#">WO2025115649A1</a>	ENEOS MAT CORPORATION [JP]	Composition for power storage device, slurry for power storage device electrode, power storage device electrode, and power storage device

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## SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025099856A1</a>	JTEKT CORP [JP]	Vehicle drive device
<a href="#">WO2025119415A1</a>	SCHAEFFLER TECHNOLOGIES AG [DE]	Brake blending in electric vehicles with recuperation and friction brake
<a href="#">WO2025070659A1</a>	ADVICS CO LTD [JP]	Braking system
<a href="#">WO2025136330A1</a>	TURKIYENIN OTOMOBILI GIRISIM GRUBU SANAYI VE TICARET ANONIM SIRKETI [TR]	A regenerative braking decision system
<a href="#">WO2025102911A1</a>	SHANGHAI TONGYU AUTOMOTIVE TECH CO LTD [CN]	Composite braking control method, composite braking system and vehicle
<a href="#">WO2025089424A1</a>	ADVICS CO LTD [JP]	Braking control device for vehicle
<a href="#">WO2025108015A1</a>	NIO TECHNOLOGY ANHUI CO LTD [CN]	Braking method for vehicle, vehicle, and storage medium
<a href="#">WO2025084732A1</a>	EMERGE SOLUTIONS CO LTD [KR]	Power generation device for electric vehicle
<a href="#">WO2025132904A1</a>	AMPERE SAS [FR]	Method for controlling charging of an electrical energy storage device

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## MÁQUINAS ELÉCTRICAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025104546A1</a>	MASERATI SPA [IT]	Method of determining the energy consumption of an electric vehicle, corresponding system, vehicle and computer program product
<a href="#">WO2025083344A1</a>	STELLANTIS AUTO SAS [FR]	Electric motor vehicle comprising a range extender device comprising a gas turbine
<a href="#">WO2025087162A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Powertrain, distributed powertrain and electric vehicle
<a href="#">WO2025131055A1</a>	GENTHERM GMBH [DE]	Electric motor stator with conductor end connections for a fan of a vehicle
<a href="#">WO2025133124A1</a>	VALEO EAUTOMOTIVE GERMANY GMBH [DE]	Stator arrangement for an electric motor, electric motor and method for assembling a stator arrangement
<a href="#">WO2025130410A1</a>	NIO TECHNOLOGY ANHUI CO LTD [CN]	Efficiency optimization method for electric motor in electric vehicle, and control apparatus and storage medium
<a href="#">WO2025118914A1</a>	XPT EDS HEFEI CO LTD [CN]	Electric motor bearing lubricating system and vehicle
<a href="#">WO2025124063A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Electric motor having oil hole on each mounting surface, power assembly and electric vehicle
<a href="#">WO2025083844A1</a>	MITSUBISHI ELECTRIC CORP [JP]	Rotor, electric motor, blower, and air-conditioning device
<a href="#">WO2025104500A1</a>	EFALKE GMBH [CH]	Permanent magnet synchronous machine rotor geometries with a maximized torque-speed density
<a href="#">WO2025112813A1</a>	BYD CO LTD [CN]	Electric motor stator, electric motor, driving assembly and vehicle
<a href="#">WO2025078499A1</a>	BROSE FAHRZEUGTEILE SE & CO KG WUERZBURG [DE]	Electric drive for a motor vehicle
<a href="#">WO2025092358A1</a>	BYD CO LTD [CN]	Electric-motor pump assembly, suspension system, chassis system, and vehicle
<a href="#">WO2025067914A1</a>	VALEO EAUTOMOTIVE GERMANY GMBH [DE]	Electric motor with a support device between a stator and a housing
<a href="#">WO2025115263A1</a>	NIDEC CORP [JP]	Rotor and rotating electric machine
<a href="#">WO2025099824A1</a>	ASTEMO LTD [JP]	Dynamo-electric machine unit
<a href="#">WO2025099833A1</a>	ASTEMO LTD [JP]	Dynamo-electric machine unit
<a href="#">WO2025082566A1</a>	SCHAEFFLER TECHNOLOGIES AG [DE]	Rotor assembly, electric machine, and electric drive train
<a href="#">WO2025115264A1</a>	NIDEC CORP [JP]	Rotor and rotating electric machine
<a href="#">WO202509993A1</a>	ASTEMO LTD [JP]	Stator for rotary electrical machine
<a href="#">WO2025128657A1</a>	SUGALSKI III CHARLES ROBERT [US]	System containing an air compressor for generating electricity
<a href="#">WO2025132072A1</a>	VALEO EAUTOMOTIVE GERMANY GMBH [DE]	Cooling of end windings of a stator
<a href="#">WO2025082811A1</a>	ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]	Electric machine with laminated core which is secured in a force- and form-fitting manner, and method for assembling the electric machine
<a href="#">WO2025100246A1</a>	TORAY INDUSTRIES [JP]	Rotating electric machine protective ring manufacturing method, rotating electric machine, and electrically-driven mobility equipment
<a href="#">WO2025118043A1</a>	TIBURCIO DOS SANTOS JUNIOR VICENTE [BR]	Autonomous electricity generation system in diverse microgrids with static power converters
<a href="#">WO2025132639A1</a>	VALEO EAUTOMOTIVE GERMANY GMBH [DE]	A power cut off mechanism
<a href="#">WO2025120259A1</a>	NIDEC PSA EMOTORS [FR]	Rotor for a rotary electric machine
<a href="#">WO2025077972A1</a>	SCHAEFFLER TECHNOLOGIES AG [DE]	Sheet metal element of an active element of an electric machine
<a href="#">WO2025100143A1</a>	JATCO LTD [JP]	Unit
<a href="#">WO2025119952A1</a>	SCHAEFFLER TECHNOLOGIES AG [DE]	Electrical machine for a traction drive of an at least partially electrically driven motor vehicle
<a href="#">WO2025082565A1</a>	SCHAEFFLER TECHNOLOGIES AG [DE]	Rotor assembly, electric machine, and electric drive train

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## CONVERTIDORES, INVERSORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025127864A1</a>	LG INNOTEK CO LTD [KR]	Device for wirelessly charging electric vehicle during driving
<a href="#">WO2025103043A1</a>	WUHAN LOTUS CARS CO LTD [CN]	Inverter circuit for electric vehicle and electric vehicle
<a href="#">WO2025076060A1</a>	TAU MOTORS INC [US]	Power conversion system for an electric vehicle
<a href="#">WO2025085464A1</a>	FCA US LLC [US]	Hybrid vehicle energy balance control system for CO2 reduction
<a href="#">WO2025083609A1</a>	AUTOMOBILI LAMBORGHINI SPA [IT]	Power system for powering hybrid or electric vehicles
<a href="#">WO2025084014A1</a>	MITSUBISHI MOTORS CORP [JP]	Inverter device
<a href="#">WO2025118087A1</a>	DCBEL INC [CA]	Non-isolated bidirectional power converter with residual current control
<a href="#">WO2025084067A1</a>	DENSO CORP [JP]	Detection device and program
<a href="#">WO2025119585A1</a>	BOSCH GMBH ROBERT [DE]	Voltage converter system and method for operating same
<a href="#">WO2025085859A1</a>	TAU MOTORS INC [US]	Systems and methods for interleaved power converters
<a href="#">WO2025091038A1</a>	UNIV COLUMBIA [US]	Systems and methods for scalable power converters with reconfigurable architecture and model predictive control
<a href="#">WO2025087515A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	A reconfigurable bidirectional series-resonant DC-DC power converter
<a href="#">WO2025132360A1</a>	SHELL INT RESEARCH [NL]	Topology and control method for a DC-DC converter
<a href="#">WO2025115239A1</a>	MITSUBISHI ELECTRIC CORP [JP]	Power conversion device
<a href="#">WO2025091036A1</a>	UNIV COLUMBIA [US]	Systems and methods for self-healing power converters
<a href="#">WO2025104936A1</a>	MITSUBISHI ELECTRIC CORP [JP]	Power conversion device
<a href="#">WO2025126756A1</a>	DENSO CORP [JP]	Control device for power converter, power conversion system, program, and control method for power converter
<a href="#">WO2025067719A1</a>	BOSCH GMBH ROBERT [DE]	Method for reverse operation of a flyback converter with active voltage limiting circuit
<a href="#">WO2025082943A1</a>	SCHAEFFLER TECHNOLOGIES AG [DE]	Converter control device, and associated vehicle and control method
<a href="#">WO2025127658A1</a>	EMERGE SOLUTIONS CO LTD [KR]	Battery system for electric vehicle
<a href="#">WO2025113882A1</a>	MERCEDES BENZ GROUP AG [DE]	Method for operating a DC-DC converter
<a href="#">WO2025083655A1</a>	EATON INTELLIGENT POWER LTD [IE]	Control system to detect and discharge an active discharge in automotive inverters
<a href="#">WO2025119584A1</a>	BOSCH GMBH ROBERT [DE]	Power supply system for a vehicle and method for controlling a power supply system for a vehicle
<a href="#">WO2025069681A1</a>	HITACHI ASTEMO LTD [JP]	Semiconductor drive device
<a href="#">WO2025082863A1</a>	SMA SOLAR TECHNOLOGY AG [DE]	Power converter and method for exchanging electrical power
<a href="#">WO2025125034A1</a>	SHELL INT RESEARCH [NL]	Resonant DC converter
<a href="#">WO2025098919A1</a>	BRUSA HYPOWER AG [CH]	Supply unit for an electric vehicle, and method for operating a supply unit
<a href="#">WO2025096812A1</a>	TAE POWER SOLUTIONS LLC [US]	Parallel direct current architectures for power generation
<a href="#">WO2025076613A1</a>	DIGIQ POWER LTD [CA]	Bi-directional ac to DC rectifier
<a href="#">WO2025100989A1</a>	LG INNOTEK CO LTD [KR]	Power conversion device
<a href="#">WO2025126640A1</a>	MITSUBISHI MOTORS CORP [JP]	Vehicle power supply management system
<a href="#">WO2025116117A1</a>	AHA CO LTD [KR]	Electric vehicle charging module for generating high output using plurality of low output power modules and driving method of charging module
<a href="#">WO2025127020A1</a>	MEIDENSHA ELECTRIC MFG CO LTD [JP]	Rotary electrical machine assembly
<a href="#">WO2025098920A1</a>	BRUSA HYPOWER AG [CH]	Supply unit for an electric vehicle and module for use in the supply unit

<a href="#">WO2025121599A1</a>	UNIV NAT HANBAT IND ACAD COOP FOUND [KR]	Battery cell balancing device and control method thereof
<a href="#">WO2025083339A1</a>	NIDEC PSA EMOTORS [FR]	Device for detecting a short circuit in a transistor and corresponding method
<a href="#">WO2025114305A1</a>	VALEO EAUTOMOTIVE GERMANY GMBH [DE]	Electrical power supply circuit for a vehicle electrical energy storage unit
<a href="#">WO2025088045A1</a>	SCHAEFFLER TECHNOLOGIES AG [DE]	Motor vehicle with an 800 V or 400 V charging architecture comprising a DC connector module provided with a deactivatable capacitance branch
<a href="#">WO2025102811A1</a>	HUAWEI TECH CO LTD [CN]	Power supply circuit and power supply method
<a href="#">WO2025070204A1</a>	PANASONIC IP MAN CO LTD [JP]	State detection circuit, control device, state detection method, control method, and program
<a href="#">WO2025084402A1</a>	HITACHI LTD [JP]	Electric power converting device
<a href="#">WO2025124423A1</a>	GEELY HOLDING GROUP CO LTD [CN]	An electrical power supply system
<a href="#">WO2025114298A1</a>	JAGUAR LAND ROVER LTD [GB]	Controlling the temperature of an electric drive system of a vehicle
<a href="#">WO2025068465A1</a>	TECHNISCHE UNIV DORTMUND KOERPERSCHAFT DES OEFFENTLICHEN RECHTS [DE]	Active adaptive filter with a switch signal-based pre-control path and a switch signal delay function in the main path
<a href="#">WO2025123982A1</a>	YUTONG BUS CO LTD [CN]	Apparatus for vehicle external discharge, and vehicle
<a href="#">WO2025121106A1</a>	ROHM CO LTD [JP]	Signal generation circuit, drive circuit, power conversion device, and vehicle
<a href="#">WO2025109925A1</a>	MURATA MANUFACTURING CO [JP]	Capacitor mounting structure and power conversion apparatus

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## RECARGA DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025068748A1</a>	DRIVE ELECTRO SA [CH]	Battery charging complex for electric vehicle fleet
<a href="#">WO2025073536A1</a>	SHELL INT RESEARCH [NL]	Electric vehicle charging arrangement
<a href="#">WO2025105559A1</a>	INFINITE KOREA INC [KR]	Electric vehicle charging system having reinforcement learning-based autonomous mobile charger, and operation method thereof
<a href="#">WO2025072732A1</a>	CANOO TECH INC [US]	Auxiliary power unit (APU) for electric vehicles (EVS)
<a href="#">WO2025105781A1</a>	LG INNOTEK CO LTD [KR]	Vehicle charging device
<a href="#">WO2025135302A1</a>	LEE JOO YEOL [KR]	Wireless electric vehicle charging system
<a href="#">WO2025074149A1</a>	ENERGOBIT S A [RO]	Off-grid high power (level 2-4) DC (direct current) charging system connectable directly to renewable energy sources, and method for charging an electric or hybrid vehicle
<a href="#">WO2025077954A1</a>	KIEKERT AG [DE]	System comprising a charging plug-in connector for electric and hybrid vehicles
<a href="#">WO2025097939A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Charging method and apparatus, computer device and storage medium
<a href="#">WO2025100850A1</a>	LG INNOTEK CO LTD [KR]	Vehicle charging device
<a href="#">WO2025066564A1</a>	BYD CO LTD [CN]	High-voltage system and electric vehicle
<a href="#">WO2025135361A1</a>	LS ELECTRIC CO LTD [KR]	System and method for charging battery of electric vehicle
<a href="#">WO2025136858A1</a>	SIEMENS INDUSTRY INC [US]	Fire safe electric vehicle (EV) charging system
<a href="#">WO2025098844A1</a>	SHELL INT RESEARCH [NL]	Battery system for a heavy duty electric vehicle and corresponding method to charge the battery
<a href="#">WO2025118029A1</a>	FORTESCUE LTD [AU]	System and method for assigning electric machines
<a href="#">WO2025077955A1</a>	KIEKERT AG [DE]	System comprising a charging plug-in connector for electric and hybrid vehicles
<a href="#">WO2025100255A1</a>	OMRON TATEISI ELECTRONICS CO [JP]	Charging device
<a href="#">WO2025100140A1</a>	KUBOTA KK [JP]	Electric work vehicle
<a href="#">WO2025111336A1</a>	GILLIG LLC [US]	Electric vehicle smart charge port
<a href="#">WO2025096098A1</a>	MASTERCARD INTERNATIONAL INC [US]	Vehicle charging payment
<a href="#">WO2025125622A1</a>	JAGUAR LAND ROVER LTD [GB]	A charging socket assembly for a traction battery of a vehicle
<a href="#">WO2025104009A1</a>	DESIGNWERK TECH AG [CH]	Charging inlet for interconnecting an external power supply to a battery system of an electric vehicle to charge the battery system and vehicle comprising the charging inlet
<a href="#">WO2025110317A1</a>	HYUNDAI MOTOR CO LTD [KR]	Unmanned vehicle charging system and control method thereof
<a href="#">WO2025065593A1</a>	SHENZHEN YINWANG INTELLIGENT TECH CO LTD [CN]	Charging apparatus, vehicle, and charging control method
<a href="#">WO2025087628A1</a>	BOSCH GMBH ROBERT [DE]	Monitoring device for a charging device, charging device, and method for monitoring a charging device
<a href="#">WO2025066182A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Control guide circuit applied to electric vehicle and liquid cooling device
<a href="#">WO2025114782A1</a>	PIAGGIO & C SPA [IT]	Rechargeable battery for electric powered vehicles and system for tracking operational and/or status data of said rechargeable battery
<a href="#">WO2025077540A1</a>	SAIC GM WULING AUTOMOBILE CO LTD [CN]	Fast charge power-on and power-off control system and method for plug-in hybrid electric vehicle
<a href="#">WO2025068968A1</a>	SUN MOBILITY PTE LTD [SG]	Systems and methods for determining battery dispensing time of battery pack(s)
<a href="#">WO2025066181A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Control pilot circuit applied to electric vehicle and charging pile
<a href="#">WO2025102834A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Vehicle control method and apparatus, and charging device control method and apparatus
<a href="#">WO2025066189A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Onboard charging connection apparatus, electric vehicle, liquid cooling device, and charging pile
<a href="#">WO2025066188A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Onboard charging connection apparatus, electric vehicle, liquid cooling device, and charging pile
<a href="#">WO2025088459A1</a>	SEMICONDUCTOR ENERGY LAB [JP]	Charging control system
<a href="#">WO2025113323A1</a>	BYD CO LTD [CN]	Charging circuit and vehicle
<a href="#">WO2025066190A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Vehicle-mounted charging connection apparatus, electric vehicle, liquid cooling device, and charge point

<a href="#">WO2025066435A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Charging system and on-board charging connection apparatus
<a href="#">WO2025121467A1</a>	LG ELECTRONICS INC [KR]	Charger
<a href="#">WO2025083517A1</a>	OMNIFLOW S A [PT]	Outdoor luminaire for street lighting with integrated ac electrical vehicle charging station
<a href="#">WO2025088395A1</a>	MAHINDRA ELECTRIC AUTOMOBILE LTD [IN]	System and method for high voltage (hv) management in non-hvil vehicles
<a href="#">WO2025099500A1</a>	JACOBI MOTORS LLC [US]	Integrated variable flux memory motor charger
<a href="#">WO2025079312A1</a>	PANASONIC IP MAN CO LTD [JP]	In-vehicle charging device and control method
<a href="#">WO2025084002A1</a>	MITSUBISHI MOTORS CORP [JP]	Vehicle
<a href="#">WO2025077961A1</a>	KIEKERT AG [DE]	Electric charging device of a motor vehicle
<a href="#">WO2025125523A1</a>	JAGUAR LAND ROVER LTD [GB]	Electrical charge storage system management
<a href="#">WO2025127182A1</a>	LG ELECTRONICS INC [KR]	Charger
<a href="#">WO2025077967A1</a>	BAYERISCHE MOTOREN WERKE AG [DE]	Plug for a plug-in connection, and method
<a href="#">WO2025119702A1</a>	SHELL INT RESEARCH [NL]	Charging system for a vehicle energy storage system
<a href="#">WO2025122907A1</a>	BRIXRAE LTD [US]	Electric heat engine for a vehicle

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## CAMBIO DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025071775A1</a>	CATERPILLAR INC [US]	Hot swappable battery configuration
<a href="#">WO2025090932A1</a>	MAGNA INT INC [CA]	System and method for swappable battery modules in light electric vehicles
<a href="#">WO2025103100A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery conveying device for vehicle battery swapping, and vehicle battery swapping apparatus
<a href="#">WO2025103129A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Vehicle battery swapping device, and battery swapping system
<a href="#">WO2025081959A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Charging rack, battery, electric device and battery swapping system
<a href="#">WO2025102979A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Commercial vehicle battery swapping station
<a href="#">WO2025103136A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Vehicle battery swapping apparatus and battery swapping system
<a href="#">WO2025086574A1</a>	SANY LITHIUM ENERGY CO LTD [CN]	Battery swapping station
<a href="#">WO2025086480A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Bracket assembly and vehicle
<a href="#">WO2025116269A1</a>	LG ENERGY SOLUTION LTD [KR]	Server, operating method thereof, and battery exchange system
<a href="#">WO2025102954A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery locking and unlocking device and system

[...volver a CONTENIDO](#)

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



**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**



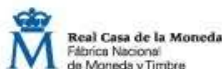
Los ITPs\*\* de la OEPM detectaron solicitudes de patente relevantes cuando estábamos a mitad del proyecto y gracias a ello pudimos reconducir nuestra investigación.



**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.



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

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