

# Boletín VT

## COCHE ELÉCTRICO

1<sup>er</sup> trimestre 2025

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### Vigilancia Tecnológica

#### Noticias

[Movilidad sostenible: ¿qué es el Plan MOVES III?](#) El Programa MOVES III es un plan de fomento de la movilidad sostenible que ofrece ayudas para la compra de vehículos eléctricos y la creación de puntos de recarga. Tras la última prórroga aprobada por el Gobierno, su vigencia se extiende del 1 de enero al 31 de diciembre de 2025.

mantener el apoyo a la compra de vehículos eléctricos y la infraestructura de recarga, así como el restablecimiento de 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.

[EL MITECO prorroga el MOVES III hasta fin de año con carácter retroactivo desde el 1 de enero e incorpora 400 millones al programa](#)

El Consejo de Ministros, a petición del Ministerio para la Transición Ecológica y el Reto Demográfico (MITECO) ha aprobado prorrogar el Programa de incentivos ligados a la movilidad eléctrica (MOVES III), hasta el próximo 31 de diciembre, con carácter retroactivo desde el pasado 1 de enero. La medida se incluye en un Real Decreto-ley que prevé una dotación económica de 400 millones de euros para

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#### CONTENIDO:

- **TECNOLOGÍAS VEHICULARES**
  - [Baterías](#)
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  - [Máquinas eléctricas](#)
  - [Convertidores, inversores](#)
- **INFRAESTRUCTURAS DE CARGA**
  - [Recarga de baterías](#)
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## 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="#">WO2025061395A1</a>	TI AUTOMOTIVE FULDABRUECK GMBH [DE]	Use of a cooling pipe for electrically powered vehicles
<a href="#">WO2025063528A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and device including same
<a href="#">WO2025060008A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025063416A1</a>	SAMSUNG SDI CO LTD [KR]	Argyrodite-type sulfide-based solid electrolyte, solid electrolyte membrane, and all-solid-state rechargeable batteries
<a href="#">WO2025063668A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module
<a href="#">WO2025062254A1</a>	SEMICONDUCTOR ENERGY LAB [JP]	Secondary battery
<a href="#">WO2025060007A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Buffer member, battery cell, battery, and electrical apparatus
<a href="#">WO2025062919A1</a>	KUBOTA KK [JP]	Housing for battery pack and battery pack
<a href="#">WO2025060010A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery and electrical apparatus
<a href="#">WO2025063155A1</a>	AUTONETWORKS TECHNOLOGIES LTD [JP]	Pair of circuit units
<a href="#">WO2025063499A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and vehicle including same
<a href="#">WO2025063501A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and vehicle including same
<a href="#">WO2025063610A1</a>	POSCO FUTURE M CO LTD [KR]	Cathode active material for lithium secondary battery and lithium secondary battery comprising same
<a href="#">WO2025062886A1</a>	MURATA MANUFACTURING CO [JP]	Secondary battery
<a href="#">WO2025063350A1</a>	JEIO TECH CO LTD [KR]	Secondary battery test chamber capable of actively handling fire while having uniform temperature distribution
<a href="#">WO2025063503A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack including same
<a href="#">WO2025063604A1</a>	POSCO SILICON SOLUTION CO LTD [KR]	Negative electrode material for secondary battery
<a href="#">WO2025063779A1</a>	SBTL ADVANCED MAT CO LTD [KR]	Secondary battery composite sheet for thermal runaway prevention, formed by combining silica aerogel and pouch film
<a href="#">WO2025063796A1</a>	SK ON CO LTD [KR]	Battery cell and battery device including same
<a href="#">WO2025063431A1</a>	SAMSUNG SDI CO LTD [KR]	Negative electrode active material and rechargeable lithium battery including same
<a href="#">WO2025063706A1</a>	LG ENERGY SOLUTION LTD [KR]	Composition for forming gel polymer electrolyte, gel polymer electrolyte, and lithium secondary battery comprising gel polymer electrolyte
<a href="#">WO2025063110A1</a>	GS YUASA INT LTD [JP]	Power storage element and method for producing power storage element
<a href="#">WO2025065005A1</a>	ALLIANCE SUSTAINABLE ENERGY [US]	Radio frequency plasma for cathode material synthesis and recycle
<a href="#">WO2025054701A1</a>	9351 0618 QUEBEC INC [CA]	Battery module with thermal management system
<a href="#">WO2025058766A1</a>	ENERGY EXPLORATION TECH INC [US]	Non-flammable electrolytes and batteries comprising the same
<a href="#">WO2025057930A1</a>	NUVOTON TECHNOLOGY CORP JAPAN [JP]	Battery monitoring device and battery monitoring method
<a href="#">WO2025056951A1</a>	VIDYASIRIMEDHI INSTITUTE OF SCIENCE AND TECH [TH]	Electrolyte for a lithium battery and lithium battery comprising the same



<a href="#">WO2025054792A1</a>	LANJUN NEW ENERGY TECH CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025058428A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery system and control method using same
<a href="#">WO2025058009A1</a>	KRI INC [JP]	Battery capacity estimation device and battery capacity estimation program
<a href="#">WO2025057685A1</a>	DENSO CORP [JP]	Battery state detection device and program
<a href="#">WO2025054970A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical device
<a href="#">WO2025054976A1</a>	XIAMEN AMPACK TECH LIMITED [CN]	Battery module and manufacturing method therefor, battery pack, and electrical device
<a href="#">WO2025058235A1</a>	SK ON CO LTD [KR]	Positive active material for rechargeable lithium battery, and rechargeable lithium battery comprising same
<a href="#">WO2025058464A1</a>	AMOGREENTECH CO LTD [KR]	Pad for delaying thermal runaway of battery and preventing flames, and battery pack having same
<a href="#">WO2025059075A1</a>	ADDEN ENERGY INC [US]	System for applying isostatic pressure on electrochemical cells
<a href="#">WO2025059460A1</a>	CUBERG INC [US]	Negative electrodes with lithium metal layers and durable polymer base layers
<a href="#">WO2025057710A1</a>	CANON KK [JP]	Solid electrolyte base material, solid electrolyte, secondary battery, and method for manufacturing solid electrolyte base material
<a href="#">WO2025057904A1</a>	GS YUASA INT LTD [JP]	Non-aqueous electrolyte power storage element
<a href="#">WO2025058407A1</a>	CHUNBO CO LTD [KR]	Lithium bis(fluorosulfonyl)imide containing reduced sulfamide
<a href="#">WO2025057161A1</a>	UNIV RAMOT [IL]	Graphene-silicon composite electrodes and a method of preparing same
<a href="#">WO2025057564A1</a>	GS YUASA INT LTD [JP]	Power storage element and power storage device
<a href="#">WO2025059670A1</a>	OHIO STATE INNOVATION FOUNDATION [US]	Pre-lithiated oxide anodes and methods of making and use thereof
<a href="#">WO2025056345A1</a>	HUNTSMAN INT LLC [US]	Polyurethane-based elastomer foam suitable for battery potting
<a href="#">WO2025054677A1</a>	LAKHEY HOLDINGS PTY LTD [AU]	A method for regeneration of a cathode active material
<a href="#">WO2025060403A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical apparatus
<a href="#">WO2025056687A1</a>	NORTHVOLT AB [SE]	Composite cathode and methods for forming the same
<a href="#">WO2025055333A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025052323A1</a>	A RAYMOND ET CIE [FR]	Battery lid fastener
<a href="#">WO2025052322A1</a>	A RAYMOND ET CIE [FR]	Battery lid fastener, battery back and method of securing a lid to a battery pack
<a href="#">WO2025053445A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus, battery pack, electric vehicle and battery diagnosis method
<a href="#">WO2025054402A1</a>	ALLIANCE SUSTAINABLE ENERGY [US]	Battery abuse system that facilitates in-situ x-ray imaging and multi-modal measurements and methods thereof
<a href="#">WO2025052633A1</a>	HONDA MOTOR CO LTD [JP]	Charging information management device
<a href="#">WO2025050430A1</a>	CHONGQING TALENT NEW ENERGY CO LTD [CN]	Battery module, module comprising annular battery, and electric device
<a href="#">WO2025053425A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack including same and vehicle including same
<a href="#">WO2025053240A1</a>	NUVOTON TECHNOLOGY CORP JAPAN [JP]	Battery monitoring device and battery monitoring method
<a href="#">WO2025053665A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack comprising battery assembly, and electric vehicle comprising battery pack
<a href="#">WO2025052288A1</a>	FPT IND SPA [IT]	Improved cover for a vehicular battery
<a href="#">WO2025053453A1</a>	SK ON CO LTD [KR]	Device and method for inspecting battery cell
<a href="#">WO2025052289A1</a>	FPT IND SPA [IT]	Improved safety ventilation system for vehicular battery
<a href="#">WO2025053500A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module having heating function
<a href="#">WO2025053662A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025053621A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode and lithium secondary battery
<a href="#">WO2025053408A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack including same
<a href="#">WO2025052837A1</a>	DENSO CORP [JP]	Battery unit
<a href="#">WO2025053390A1</a>	SK ON CO LTD [KR]	Battery assembly

<a href="#">WO2025053415A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and ess comprising battery pack
<a href="#">WO2025053533A1</a>	LG ENERGY SOLUTION LTD [KR]	Secondary battery, manufacturing method thereof, and battery pack
<a href="#">WO2025053667A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode and lithium ion secondary battery comprising negative electrode
<a href="#">WO2025053607A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell assembly and battery pack comprising same
<a href="#">WO2025052784A1</a>	IBIDEN CO LTD [JP]	Heat transfer suppression sheet, heat transfer suppression member, and battery pack
<a href="#">WO2025053404A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and ess comprising same
<a href="#">WO2025053668A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode and lithium ion secondary battery comprising anode
<a href="#">WO2025053157A1</a>	GS YUASA INT LTD [JP]	Liquid lead storage battery
<a href="#">WO2025053586A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material and lithium secondary battery comprising same
<a href="#">WO2025053476A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrolyte additive, electrolyte comprising same for lithium secondary battery, and lithium secondary battery
<a href="#">WO2025053625A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode slurry preparation method and apparatus, anode slurry, anode and lithium secondary battery
<a href="#">WO2025053521A1</a>	HONGIK UNIV INDUSTRY ACADEMIA COOPERATION FOUNDATION [KR]	System for detecting thermal runaway of battery
<a href="#">WO2025052808A1</a>	BRIDGESTONE CORP [JP]	Battery life prediction device and battery life prediction method
<a href="#">WO2025053623A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode composition, anode for lithium secondary battery, comprising same, lithium secondary battery, and method for preparing anode composition
<a href="#">WO2025053684A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode assembly and cylindrical lithium secondary battery comprising same
<a href="#">WO2025053663A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery assembly and battery pack comprising same
<a href="#">WO2025053520A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025053152A1</a>	GS YUASA INT LTD [JP]	Liquid lead storage battery
<a href="#">WO2025053624A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery unit
<a href="#">WO2025053154A1</a>	GS YUASA INT LTD [JP]	Liquid lead storage battery
<a href="#">WO2025053499A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material and method for preparing same
<a href="#">WO2025053559A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for manufacturing surface-modified electrode active material and electrode and lithium secondary battery manufactured thereby
<a href="#">WO2025053525A1</a>	LG ENERGY SOLUTION LTD [KR]	Conveying device
<a href="#">WO2025053548A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode material, secondary battery comprising same, and method for measuring particle strength of cathode material
<a href="#">WO2025051857A1</a>	BROSE FAHRZEUGTEILE SE & CO KG WUERZBURG [DE]	Electrically driven motor vehicle and method for operating same
<a href="#">WO2025053143A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Power storage module
<a href="#">WO2025053444A1</a>	LG ENERGY SOLUTION LTD [KR]	Unit cell stacking apparatus and unit cell stacking method
<a href="#">WO2025053622A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery, battery module, and battery pack
<a href="#">WO2025053433A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery diagnosis apparatus, battery pack, electric vehicle and battery diagnosis method
<a href="#">WO2025053570A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for manufacturing positive electrode, positive electrode, and lithium secondary battery comprising same
<a href="#">WO2025053466A1</a>	LG ENERGY SOLUTION LTD [KR]	Tape forming jig, jelly roll taping apparatus including same, and jelly roll taping method
<a href="#">WO2025050875A1</a>	NIO TECHNOLOGY ANHUI CO LTD [CN]	Sampling device, battery management system and battery pack
<a href="#">WO2025053563A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery management device and battery management method
<a href="#">WO2025050616A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED [CN]	Control apparatus and electric device

<a href="#">WO2025050618A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED [CN]	Control apparatus and electrical device
<a href="#">WO2025050637A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Film wrapping device
<a href="#">WO2025049473A1</a>	EDISON TECH INC [US]	Extreme fast-charging systems and associated methods
<a href="#">WO2025045454A1</a>	TRUMPF LASER UND SYSTEMTECHNIK SE [DE]	Laser-assisted stripping of battery packs
<a href="#">WO2025048103A1</a>	SAMSUNG SDI CO LTD [KR]	Solid electrolyte membrane, preparation method thereof, and all-solid rechargeable batteries
<a href="#">WO2025046597A1</a>	TVS MOTOR CO LTD [IN]	A fire-resistant battery pack and a method for manufacturing thereof
<a href="#">WO2025047791A1</a>	PANASONIC IP MAN CO LTD [JP]	Electrode current collector for secondary batteries, and secondary battery
<a href="#">WO2025047977A1</a>	MITSUBISHI CHEM CORP [JP]	Battery pack, use of adhesive sheet, and recycling method
<a href="#">WO2025047974A1</a>	MITSUBISHI CHEM CORP [JP]	Battery pack and use of adhesive sheet
<a href="#">WO2025045924A1</a>	MUHR & BENDER KG [DE]	Heat exchanger
<a href="#">WO2025044983A1</a>	EVE ENERGY CO LTD [CN]	Circuit, battery management system, and electric vehicle
<a href="#">WO2025048465A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus and method for estimating soh
<a href="#">WO2025045158A1</a>	SVOLT ENERGY TECH CO LTD [CN]	Battery pack
<a href="#">WO2025048406A1</a>	LG ENERGY SOLUTION LTD [KR]	Secondary battery electrolyte additive, lithium secondary battery non-aqueous electrolyte comprising same, and lithium secondary battery
<a href="#">WO2025047302A1</a>	MURATA MANUFACTURING CO [JP]	Trimagnesium disulfide-containing compound and secondary battery
<a href="#">WO2025047688A1</a>	PANASONIC IP MAN CO LTD [JP]	Lithium secondary battery
<a href="#">WO2025047687A1</a>	PANASONIC IP MAN CO LTD [JP]	Lithium secondary battery
<a href="#">WO2025043526A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Case, battery, electric device, and method for assembling case
<a href="#">WO2025048332A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrolyte additive, electrolyte comprising same for lithium secondary battery, and lithium secondary battery
<a href="#">WO2025048331A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrolyte additive, lithium secondary battery electrolyte comprising same, and lithium secondary battery
<a href="#">WO2025048561A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack comprising flange, partition, and heatsink fin
<a href="#">WO2025048348A1</a>	POSCO FUTURE M CO LTD [KR]	Cathode active material for lithium secondary battery, method for manufacturing same and lithium secondary battery comprising same
<a href="#">WO2025048560A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode and lithium secondary battery comprising same
<a href="#">WO2025048405A1</a>	LG CHEMICAL LTD [KR]	Cathode active material, method for manufacturing same, and cathode and lithium secondary battery comprising same
<a href="#">WO2025047908A1</a>	PANASONIC IP MAN CO LTD [JP]	Lithium secondary battery
<a href="#">WO2025043415A1</a>	XIAMEN AMPACK TECH LIMITED [CN]	Battery module, battery pack, and electric device
<a href="#">WO2025049747A1</a>	YAZAKI CORP [JP]	Lithium-ion battery having binder-free anode
<a href="#">WO2025048298A1</a>	DAEJOO ELECTRONIC MAT CO LTD [KR]	Preparation method for solid electrolyte, solid electrolyte prepared thereby, and all-solid-state battery comprising same
<a href="#">WO2025043299A1</a>	JANUS ELECTRIC PTY LTD [AU]	Vehicle battery system
<a href="#">WO2025046596A1</a>	TVS MOTOR CO LTD [IN]	A thermal management system for an energy storage unit and a method thereof
<a href="#">WO2025049863A1</a>	EAGLEPICHER TECHNOLOGIES LLC [US]	System for reducing battery cell failure propagation risk of a rechargeable battery
<a href="#">WO2025047224A1</a>	PANASONIC IP MAN CO LTD [JP]	Charging plan creation system, charging plan creation method, and charging plan creation program
<a href="#">WO2025047564A1</a>	MITSUMI CHEMICALS INC [JP]	Laminate, housing for accommodating battery, battery pack, and movable body
<a href="#">WO2025043379A1</a>	NINGDE AMPEREX TECHNOLOGY LTD [CN]	Secondary battery and electronic apparatus
<a href="#">WO2025047308A1</a>	DENSO CORP [JP]	Impedance measurement device
<a href="#">WO2025049251A2</a>	PURE LITHIUM CORP [US]	Lithium metal battery



<a href="#">WO2025048536A1</a>	AMOGREENTECH CO LTD [KR]	Method for manufacturing si-based alloy for negative electrode active material of secondary battery and si-based alloy for negative electrode active material of secondary battery manufactured thereby
<a href="#">WO2025047414A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Power storage module
<a href="#">WO2025048516A1</a>	LG ENERGY SOLUTION LTD [KR]	Composition for coating negative electrode active material, negative electrode active material, negative electrode composition, negative electrode, and lithium secondary battery comprising same
<a href="#">WO2025047354A1</a>	PANASONIC IP MAN CO LTD [JP]	Non-aqueous electrolyte secondary battery
<a href="#">WO2025046418A1</a>	SEMICONDUCTOR ENERGY LAB [JP]	Control system
<a href="#">WO2025047520A1</a>	GS YUASA INT LTD [JP]	Power storage element
<a href="#">WO2025048452A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus and method for estimating soh
<a href="#">WO2025048474A1</a>	LG ENERGY SOLUTION LTD [KR]	Pack case
<a href="#">WO2025049785A1</a>	CUBERG INC [US]	Negative electrodes comprising polymer base layers for lithium-metal and lithium-ion electrochemical cells
<a href="#">WO2025048226A1</a>	LIBEST INC [KR]	Composition for non-aqueous electrolyte, and electrochemical cell comprising composition
<a href="#">WO2025048371A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for recovering lithium
<a href="#">WO2025049276A1</a>	NANOTECH ENERGY INC [US]	Methods and systems for processing and recycling of carbonaceous materials
<a href="#">WO2025048254A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack having ignition delay structure
<a href="#">WO2025048438A1</a>	LG ENERGY SOLUTION LTD [KR]	Resistance measurement method of anode of secondary battery, and secondary battery capable of measuring resistance of anode
<a href="#">WO2025048069A1</a>	BREAK THE RULES CO LTD [KR]	Mobile waste battery diagnosis system
<a href="#">WO2025048593A2</a>	SAMSUNG SDI CO LTD [KR]	Elastic sheet for all-solid-state secondary battery, and all-solid-state secondary battery
<a href="#">WO2025045646A1</a>	HENKEL AG & CO KGAA [DE]	Curable and debondable two-part (2k) thermally conductive adhesive composition
<a href="#">WO2025045895A1</a>	NORTHVOLT REVOLT AB [SE]	Processes and systems for discharge
<a href="#">WO2025044207A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED [CN]	Electric vehicle and thermal management system thereof
<a href="#">WO2025041029A1</a>	H55 SA [CH]	A battery module
<a href="#">WO2025042187A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus and method for managing battery
<a href="#">WO2025041952A1</a>	SAMSUNG SDI CO LTD [KR]	Elastic sheet for for all solid-state battery and all solid-state battery including same
<a href="#">WO2025042103A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and vehicle including same
<a href="#">WO2025043089A1</a>	UNIV PITTSBURGH COMMONWEALTH SYS HIGHER EDUCATION [US]	Dendrite-free anodes and current collectors for lithium metal batteries and lithium-ion batteries
<a href="#">WO2025042062A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and vehicle comprising same
<a href="#">WO2025042066A1</a>	SK ON CO LTD [KR]	Lithium secondary battery
<a href="#">WO2025042214A1</a>	LG ENERGY SOLUTION LTD [KR]	Jelly roll-type electrode assembly, manufacturing method thereof, and secondary battery comprising same
<a href="#">WO2025042092A1</a>	LG CHEMICAL LTD [KR]	Positive electrode active material, method for producing same, and positive electrode and lithium secondary battery comprising same
<a href="#">WO2025041885A1</a>	DONGWHA ELECTROLYTE CO LTD [KR]	Lithium secondary battery
<a href="#">WO2025042672A1</a>	ASCEND ELEMENTS INC [US]	Impurity control in lithium-ion battery recycling
<a href="#">WO2025042249A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material, and positive electrode and lithium secondary battery comprising same
<a href="#">WO2025042671A1</a>	ASCEND ELEMENTS INC [US]	Ternary positive active electrode leaching
<a href="#">WO2025042190A1</a>	LG CHEMICAL LTD [KR]	Separator for lithium secondary battery and method for manufacturing same
<a href="#">WO2025041176A1</a>	TVS MOTOR CO LTD [IN]	System and method for adaptive charging a battery pack of a vehicle

<a href="#">WO2025042265A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell assembly and battery pack including the same
<a href="#">WO2025041792A1</a>	IDEMITSU KOSAN CO [JP]	Electrode, lithium ion battery positive electrode, and lithium ion battery
<a href="#">WO2025042191A1</a>	LG CHEMICAL LTD [KR]	Electrode-integrated separator for lithium secondary battery and method for manufacturing same
<a href="#">WO2025041990A1</a>	POSCO HOLDINGS INC [KR]	Cathode active material for lithium secondary battery, manufacturing method therefor, and lithium secondary battery comprising same
<a href="#">WO2025042202A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode current collector, lithium secondary battery comprising same, battery module, and battery pack
<a href="#">WO2025042240A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode slurry composition, lithium secondary battery anode including same, and lithium secondary battery
<a href="#">WO2025042172A1</a>	LG CHEMICAL LTD [KR]	Method for producing positive electrode active material
<a href="#">WO2025041619A1</a>	TOYOTA CHUO KENKYUSHO KK [JP]	Apparatus for producing lithium metal and method for producing lithium metal
<a href="#">WO2025042902A1</a>	AMTEK RES INTERNATIONAL LLC [US]	Coated separators including at least one adhesive
<a href="#">WO2025039326A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025042735A1</a>	ASPEN AEROGELS INC [US]	Composite thermal barrier and method
<a href="#">WO2025037124A1</a>	GENIMA INNOVATIONS MARKETING GMBH [DE]	Extinguishing device for e-car traction batteries
<a href="#">WO2025037889A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell, battery pack, and vehicle comprising same
<a href="#">WO2025037829A1</a>	LG ENERGY SOLUTION LTD [KR]	All-solid-state battery and manufacturing method therefor
<a href="#">WO2025038980A1</a>	UNIV HOUSTON SYSTEM [US]	Compositions and methods for recycling lithium-ion battery materials
<a href="#">WO2025037897A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus for forming pouch-type battery case, pouch-type battery case manufactured using same, and method for forming cup part of pouch-type battery case by using apparatus for forming pouch-type battery case
<a href="#">WO2025037616A1</a>	SUMITOMO METAL MINING CO [JP]	Positive-electrode active material for all-solid-state lithium ion secondary batteries, and all-solid-state lithium ion secondary battery
<a href="#">WO2025036577A1</a>	SABIC GLOBAL TECHNOLOGIES BV [NL]	A battery cell casing, a method of producing said casing and a battery cell comprising said casing.
<a href="#">WO2025035525A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Power distribution apparatus, battery, and electric device
<a href="#">WO2025037794A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack including same
<a href="#">WO2025037908A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery cell assembly and battery pack comprising same
<a href="#">WO2025037965A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for manufacturing solid electrolyte membrane
<a href="#">WO2025037923A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium secondary battery
<a href="#">WO2025035527A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Power distribution apparatus, battery, and electric device
<a href="#">WO2025035528A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Power distribution apparatus, battery, and electric device
<a href="#">WO2025037890A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode assembly, cylindrical battery, and battery pack and vehicle including same
<a href="#">WO2025035628A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, secondary battery, and electrical apparatus
<a href="#">WO2025037847A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material, and positive electrode slurry, positive electrode, and lithium secondary battery, each comprising same
<a href="#">WO2025038961A1</a>	SOLID POWER OPERATING INC [US]	Tension mechanism and method for manufacture of an electrode
<a href="#">WO2025037840A1</a>	LG CHEMICAL LTD [KR]	Anode for lithium secondary battery, manufacturing method therefor and lithium secondary battery comprising same
<a href="#">WO2025035620A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Secondary battery and preparation method therefor
<a href="#">WO2025035524A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Power distribution apparatus, battery, and electric device
<a href="#">WO2025037848A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material, and positive electrode and lithium secondary battery including same

<a href="#">WO2025037341A1</a>	OLA ELECTRIC MOBILITY LTD [IN]	Battery pack housing having overmoulded bus bar
<a href="#">WO2025037939A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode current collector, electrode assembly comprising electrode current collector, and method for manufacturing electrode current collector
<a href="#">WO2025036379A1</a>	UNIV WESTLAKE [CN]	Anode-free lithium metal battery, manufacturing method therefor and use thereof
<a href="#">WO2025037814A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode for lithium secondary battery and method for manufacturing same
<a href="#">WO2025036717A1</a>	NEWFREY LLC [US]	Thermal barrier with elastically deformable spacer assembly
<a href="#">WO2025037815A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode for lithium secondary battery and method for manufacturing same
<a href="#">WO2025035707A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025037743A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack including same
<a href="#">WO2025037793A1</a>	SK ON CO LTD [KR]	Bipolar battery and manufacturing method therefor
<a href="#">WO2025037855A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material, method for preparing same, and positive electrode and lithium secondary battery comprising same
<a href="#">WO2025037816A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode for lithium secondary battery and manufacturing method therefor
<a href="#">WO2025031529A1</a>	MYCON GMBH [DE]	Method and device for recycling and/or repairing structural batteries made of glued individual cells, in particular for electric vehicles
<a href="#">WO2025031528A1</a>	MYCON GMBH [DE]	Method and device for making accessible the interior of a closed battery housing, in particular for electric vehicles, and battery housing for same
<a href="#">WO2025032599A1</a>	TVS MOTOR CO LTD [IN]	An energy storage assembly and a battery unit
<a href="#">WO2025033123A1</a>	DENSO CORP [JP]	Circuit board of battery monitoring system, power supply system, and power supply control system
<a href="#">WO2025032965A1</a>	MURATA MANUFACTURING CO [JP]	Secondary battery
<a href="#">WO2025034068A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode for all-solid-state battery, and all-solid-state battery comprising same
<a href="#">WO2025034052A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode active material, anode composition, anode, and lithium secondary battery
<a href="#">WO2025033413A1</a>	MURATA MANUFACTURING CO [JP]	Secondary battery electrolyte solution and secondary battery
<a href="#">WO2025033068A1</a>	MURATA MANUFACTURING CO [JP]	Solid-state battery
<a href="#">WO2025033613A1</a>	BATTERY R&D ASS OF KOREA [KR]	Battery evaluation apparatus and battery evaluation method using same
<a href="#">WO2025033122A1</a>	GS YUASA INT LTD [JP]	Non-aqueous electrolyte power storage element
<a href="#">WO2025033646A1</a>	DEEPSMARTECH CO LTD [KR]	Negative electrode material for secondary battery comprising polymer protective layer and method for preparing same
<a href="#">WO2025033645A1</a>	DEEPSMARTECH CO LTD [KR]	Separator for secondary battery comprising polymer protective layer and manufacturing method therefor
<a href="#">WO2025033656A1</a>	L&F CO LTD [KR]	Cathode active material and lithium secondary battery including same
<a href="#">WO2025033260A1</a>	FUJI PIGMENT [JP]	Method for producing electrode active material, electrode, and lithium ion battery
<a href="#">WO2025033514A1</a>	MURATA MANUFACTURING CO [JP]	Positive electrode for secondary battery, secondary battery, and method for recycling positive electrode for secondary battery
<a href="#">WO2025033791A1</a>	LG ENERGY SOLUTION LTD [KR]	Solid electrolyte membrane and all-solid-state battery comprising same
<a href="#">WO2025033589A1</a>	UNIV KOREA IND UNIV COOP FOUND [KR]	Anodeless lithium secondary battery, lithium metal secondary battery, lithium secondary battery, and all-solid-state secondary battery comprising metal glass coating layer
<a href="#">WO2025033513A1</a>	MURATA MANUFACTURING CO [JP]	Secondary battery
<a href="#">WO2025033324A1</a>	CANON KK [JP]	Polymer electrolyte and secondary battery
<a href="#">WO2025033355A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Negative electrode for power storage device, and power storage device
<a href="#">WO2025033946A1</a>	LG ENERGY SOLUTION LTD [KR]	Separator for electrochemical device and electrochemical device comprising same



<a href="#">WO2025034032A1</a>	LG ENERGY SOLUTION LTD [KR]	Composite electrolyte membrane, manufacturing method thereof, and lithium secondary battery comprising same
<a href="#">WO2025033659A1</a>	SK ON CO LTD [KR]	Cathode active material, method for preparing same, cathode comprising same, and all-solid state battery
<a href="#">WO2025033916A1</a>	LG ENERGY SOLUTION LTD [KR]	Binder composition, and negative electrode for secondary battery and lithium secondary battery comprising binder composition
<a href="#">WO2025034018A1</a>	SK ON CO LTD [KR]	Mixing device
<a href="#">WO2025033556A1</a>	MAXELL LTD [JP]	Electrochemical element and production method therefor
<a href="#">WO2025033331A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Positive electrode for power storage device, and power storage device
<a href="#">WO2025033311A1</a>	CANON KK [JP]	Polymer electrolyte and secondary battery
<a href="#">WO2025030739A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Adhesive tape adhering apparatus, adhesive tape adhering system, and adhesive tape adhering method
<a href="#">WO2025033343A1</a>	SUMITOMO RIKO CO LTD [JP]	Molded urethane foam and heat dissipation structure including same
<a href="#">WO2025033989A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery manufacturing system and battery manufacturing method
<a href="#">WO2025033638A1</a>	SAMSUNG SDI CO LTD [KR]	Negative active material and rechargeable lithium battery including same
<a href="#">WO2025033639A1</a>	SAMSUNG SDI CO LTD [KR]	Negative active material and rechargeable lithium battery including same
<a href="#">WO2025026798A1</a>	AUTONEUM MAN AG [CH]	Flame shield for a battery of an electric vehicle and battery housing comprising it
<a href="#">WO2025029849A2</a>	ENERGY EXPLORATION TECH INC [US]	Solid state batteries and methods of making and use thereof
<a href="#">WO2025029850A1</a>	ENERGY EXPLORATION TECH INC [US]	Solid state lithium ion conductors and batteries, and methods of making and use thereof
<a href="#">WO2025029071A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and vehicle including same
<a href="#">WO2025027621A1</a>	TVS MOTOR CO LTD [IN]	Battery pack cooling system
<a href="#">WO2025028760A1</a>	SK ON CO LTD [KR]	Battery pack
<a href="#">WO2025028239A1</a>	IBIDEN CO LTD [JP]	Heat transfer suppression member and battery pack
<a href="#">WO2025028608A1</a>	NUVOTON TECHNOLOGY CORP JAPAN [JP]	Wireless communication device and monitoring system
<a href="#">WO2025028386A1</a>	IBIDEN CO LTD [JP]	Heat transfer suppression sheet and battery pack
<a href="#">WO2025031680A1</a>	BAYERISCHE MOTOREN WERKE AG [DE]	Control device and method for actively reducing a voltage in a high-voltage system
<a href="#">WO2025029025A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode assembly and secondary battery comprising same
<a href="#">WO2025029106A1</a>	LG ENERGY SOLUTION LTD [KR]	Lithium-ion secondary battery comprising electrode manufactured by dry manufacturing method
<a href="#">WO2025027377A1</a>	VIDYASIRIMEDHI INSTITUTE OF SCIENCE AND TECH [TH]	Lithium-ion battery and method for preparing the same
<a href="#">WO2025028962A1</a>	POSCO FUTURE M CO LTD [KR]	Cathode active material for lithium secondary battery, manufacturing method of same, and lithium secondary battery comprising same
<a href="#">WO2025026128A1</a>	UNIV WESTLAKE [CN]	Negative electrode-free lithium metal battery, and preparation method therefor and use thereof
<a href="#">WO2025027649A1</a>	INDIAN INST TECH MADRAS [IN]	Battery disassembly system
<a href="#">WO2025028923A1</a>	LG CHEMICAL LTD [KR]	Positive electrode active material, method for manufacturing same, and positive electrode and lithium secondary battery comprising same
<a href="#">WO2025029119A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode manufacturing device and electrode manufacturing method
<a href="#">WO2025027980A1</a>	MURATA MANUFACTURING CO [JP]	Battery pack
<a href="#">WO2025028875A1</a>	SK ON CO LTD [KR]	Positive electrode active material, lithium secondary battery comprising same, and method for manufacturing positive electrode active material
<a href="#">WO2025028149A1</a>	PANASONIC IP MAN CO LTD [JP]	Battery management device, battery pack, battery management method, and battery management program
<a href="#">WO2025029023A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module including circuit board
<a href="#">WO2025029124A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode composition, negative electrode for lithium secondary battery, comprising same, and lithium secondary battery comprising negative electrode

<a href="#">WO2025028932A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode active material, anode and lithium secondary battery
<a href="#">WO2025029024A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for manufacturing electrode assembly
<a href="#">WO2025028602A1</a>	MITSUI CHEMICALS INC [JP]	Positive electrode active material and all-solid-state battery
<a href="#">WO2025029457A1</a>	DDP SPECIALTY ELECTRONIC MATERIALS US LLC [US]	Two-component low-density polyurethane potting formulation
<a href="#">WO2025028895A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode, electrode assembly, and electrode cutting device
<a href="#">WO2025029028A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode composition, negative electrode, and lithium secondary battery
<a href="#">WO2025029123A1</a>	LG ENERGY SOLUTION LTD [KR]	Method for evaluating of slurry dispersion status and method for manufacturing slurry using same
<a href="#">WO2025029803A1</a>	ASPEN AEROGELS INC [US]	Thermal barrier with encapsulated isolation material layer and method
<a href="#">WO2025029097A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode, manufacturing method therefor, and electrochemical device comprising same
<a href="#">WO2025028896A1</a>	IUCF HYU [KR]	Porous polyetherimide/aramid nanofibril composite membrane and secondary battery comprising same
<a href="#">WO2025027144A1</a>	HYONIC LTD [GB]	Electrochemical cell additive
<a href="#">WO2025028739A1</a>	UNIV ULSAN FOUND IND COOP [KR]	Battery management system for maximizing battery life and method thereof
<a href="#">WO2025023658A1</a>	LG ENERGY SOLUTION LTD [KR]	Cable-type cell assembly, cable-type battery module and cable-type battery pack
<a href="#">WO2025021822A1</a>	OCTAVE [BE]	Battery module holder and related battery energy storage system
<a href="#">WO2025022044A1</a>	STELLANTIS AUTO SAS [FR]	Electric or hybrid motor vehicle comprising a device for fastening pipes
<a href="#">WO2025023562A1</a>	NEPES YAHAD CORP [KR]	Secondary battery cell having fire extinguishing layer formed therein
<a href="#">WO2025023570A1</a>	LG ENERGY SOLUTION LTD [KR]	Secondary battery
<a href="#">WO2025023610A1</a>	IUCF HYU [KR]	Positive electrode active material for sodium secondary battery, preparation method therefor, and sodium secondary battery comprising same
<a href="#">WO2025023591A1</a>	LG ENERGY SOLUTION LTD [KR]	Pouch-type battery case and lithium secondary battery comprising same
<a href="#">WO2025022868A1</a>	PANASONIC IP MAN CO LTD [JP]	Lithium secondary battery and separator
<a href="#">WO2025023417A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid-state rechargeable battery
<a href="#">WO2025023653A1</a>	BATTERY SOLUTION CO LTD [KR]	Cathode active material for sodium secondary battery, manufacturing method therefor, and sodium secondary battery comprising same
<a href="#">WO2025023693A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack
<a href="#">WO2025023416A1</a>	SAMSUNG SDI CO LTD [KR]	All-solid-state rechargeable battery
<a href="#">WO2025023592A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode current collector and lithium secondary battery including same
<a href="#">WO2025022411A1</a>	TVS MOTOR CO LTD [IN]	A structure for connecting a plurality of cells in an energy storage device
<a href="#">WO2025021002A1</a>	WUHAN LOTUS CARS CO LTD [CN]	Charging station for traction battery pack, traction battery pack, charging system, and vehicle
<a href="#">WO2025021099A1</a>	NIO TECHNOLOGY ANHUI CO LTD [CN]	Battery pack and electrical apparatus
<a href="#">WO2025020376A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, secondary battery and electric device
<a href="#">WO2025020469A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrode assembly, battery cell, battery, and electrical device
<a href="#">WO2025017508A1</a>	RAICAM DRIVELINE S R L [IT]	Tubular fitting for conveying a coolant liquid to and from electric vehicle battery packs
<a href="#">WO2025018402A1</a>	SUMITOMO METAL MINING CO [JP]	Coated positive electrode active material for lithium secondary batteries, method for producing coated positive electrode active material for lithium secondary batteries, and lithium secondary battery
<a href="#">WO2025018075A1</a>	DENSO CORP [JP]	Power supply system, control device, and control program
<a href="#">WO2025018163A1</a>	PANASONIC IP MAN CO LTD [JP]	Power supply device
<a href="#">WO2025017343A1</a>	EXELX LTD [AE]	Apparatus for regeneration of nickel-metal hydride (nimh) batteries

<a href="#">WO2025017917A1</a>	NISSAN MOTOR [JP]	All-solid-state battery system and method for controlling pressure on battery module of all-solid-state battery system
<a href="#">WO2025018076A1</a>	DENSO CORP [JP]	Storage battery monitoring system and control program
<a href="#">WO2025018845A1</a>	LG ENERGY SOLUTION LTD [KR]	Cylindrical lithium secondary battery
<a href="#">WO2025017132A1</a>	BLUE SOLUTIONS [FR]	Metal layer comprising lithium or lithium alloy through-grains
<a href="#">WO2025018798A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material, and positive electrode and lithium secondary battery comprising same
<a href="#">WO2025018146A1</a>	SUMITOMO RIKO CO LTD [JP]	Cooling heat exchanger
<a href="#">WO2025019557A2</a>	SONOCHARGE ENERGY INC [US]	Devices, systems, and methods for rejuvenating energy devices
<a href="#">WO2025017723A1</a>	PATEL JITENDRAKUMAR JETHALAL [IN]	A system for temperature stabilization in electrical vehicles
<a href="#">WO2025016794A1</a>	VALEO SYSTEMES THERMIQUES [FR]	Thermal control unit, in particular for a motor vehicle, and corresponding thermal control system
<a href="#">WO2025018807A1</a>	MIWON COMMERCIAL CO LTD [KR]	Liquefied composition of propargyl carboxylate derivative used as electrolyte additive and preparation method therefor
<a href="#">WO2025019804A1</a>	QUANTUMSCAPE BATTERY INC [US]	Acid surface treatment of solid electrolytes
<a href="#">WO2025017480A1</a>	LG ENERGY SOLUTION LTD [KR]	Apparatus and method for energy maximization in a secondary battery system
<a href="#">WO2025015803A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Separator and preparation method therefor, secondary battery, and electric device
<a href="#">WO2025018660A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module, and battery pack and vehicle including same
<a href="#">WO2025015878A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell winding device and method and battery manufacturing device
<a href="#">WO2025015733A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode sheet, battery cell, battery, and electric device
<a href="#">WO2025018739A1</a>	LG CHEMICAL LTD [KR]	Positive active material, and positive electrode and lithium secondary battery comprising same
<a href="#">WO2025012224A1</a>	AMPERE SAS [FR]	Method for diagnosing the storage cells of a traction battery of an electric or hybrid motor vehicle
<a href="#">WO2025014900A1</a>	UNIV CALIFORNIA [US]	Epsilon-phase mgxvopo4 as cathode materials for magnesium ion batteries
<a href="#">WO2025014029A1</a>	SAMSUNG SDI CO LTD [KR]	Solid electrolyte, preparation method thereof, and solid electrolyte membrane and all-solid-state rechargeable batteries comprising same
<a href="#">WO2025014028A1</a>	SAMSUNG SDI CO LTD [KR]	Negative electrode for all-solid-state rechargeable batteries and preparation method thereof, and all-solid-state rechargeable batteries and preparation method thereof
<a href="#">WO2025014329A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module
<a href="#">WO2025014146A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack including same
<a href="#">WO2025014194A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module and battery pack including same
<a href="#">WO2025012489A1</a>	UNIV DEUSTO [ES]	Vehicle with means for absorbing energy from knocks or impact
<a href="#">WO2025014004A1</a>	KIM JI TAE [KR]	Off-gas-based battery thermal runaway monitoring system and battery extinguishing system
<a href="#">WO2025013693A1</a>	AUTONETWORKS TECHNOLOGIES LTD [JP]	Battery system
<a href="#">WO2025013694A1</a>	AUTONETWORKS TECHNOLOGIES LTD [JP]	Battery system
<a href="#">WO2025013537A1</a>	PANASONIC IP MAN CO LTD [JP]	Battery analysis system, battery analysis method, and battery analysis program
<a href="#">WO2025013623A1</a>	MURATA MANUFACTURING CO [JP]	Electrolyte solution for secondary batteries, and secondary battery
<a href="#">WO2025013361A1</a>	HITACHI HIGH TECH CORP [JP]	Method for estimating lithium-ion battery degradation, and lithium-ion battery degradation notification method
<a href="#">WO2025013412A1</a>	HITACHI ZOSEN CORP [JP]	Solid-state battery unit, solid-state battery stack, solid-state battery pack, method for manufacturing solid-state battery unit, and method for manufacturing solid-state battery stack
<a href="#">WO2025013566A1</a>	PANASONIC IP MAN CO LTD [JP]	Battery pack, method for manufacturing same, and method for replacing secondary battery cell
<a href="#">WO2025013611A1</a>	MURATA MANUFACTURING CO [JP]	Secondary battery

<a href="#">WO2025014316A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode active material, anode composition, lithium secondary battery anode comprising same, and lithium secondary battery comprising anode
<a href="#">WO2025014027A1</a>	SAMSUNG SDI CO LTD [KR]	Negative electrode for all-solid-state battery and all-solid-state battery including same
<a href="#">WO2025014235A1</a>	LG ENERGY SOLUTION LTD [KR]	Anode for lithium secondary battery, and manufacturing method therefor
<a href="#">WO2025014236A1</a>	LG ENERGY SOLUTION LTD [KR]	Negative electrode for lithium secondary battery and method for manufacturing same
<a href="#">WO2025010714A1</a>	JIANGYIN NANOPOR INNOVATIVE MATERIALS TECH LTD [CN]	Silicon-containing compound, current collector, preparation method, electrode sheet, and use
<a href="#">WO2025014312A1</a>	SK ON CO LTD [KR]	Electrode notching device
<a href="#">WO2025014921A2</a>	FASTCAP SYSTEMS CORP [US]	Electrodes for energy storage devices
<a href="#">WO2025010953A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery pressing device and battery production system
<a href="#">WO2025010977A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery pressurizing device and battery production system
<a href="#">WO2025010955A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery pressurization device and battery production system
<a href="#">WO2025010988A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Negative electrode sheet, secondary battery and electrical apparatus
<a href="#">WO2025010978A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery pressurizing device and battery production system
<a href="#">WO2025010827A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode sheet, battery and electrical device
<a href="#">WO2025009770A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery pack and energy storage system comprising same
<a href="#">WO2025009474A1</a>	MURATA MANUFACTURING CO [JP]	Secondary battery evaluation system
<a href="#">WO2025009799A1</a>	LG ENERGY SOLUTION LTD [KR]	Electrode comprising active material layer having double-layered structure, and secondary battery comprising same
<a href="#">WO2025009892A1</a>	LS E MOBILITY SOLUTIONS CO LTD [KR]	Cooling module and battery disconnect device comprising same
<a href="#">WO2025007338A1</a>	HONGFUJIN PREC IND WUHAN CO LTD [CN]	Battery management method and battery pack
<a href="#">WO2025009522A1</a>	SUMITOMO RIKO CO LTD [JP]	Cooling heat exchanger
<a href="#">WO2025008756A1</a>	IBM [US]	Rechargeable battery with an sei protective layer on the surface of a metal anode and method for making same
<a href="#">WO2025009934A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery module
<a href="#">WO2025009875A1</a>	LG CHEMICAL LTD [KR]	Positive electrode active material and preparation method therefor
<a href="#">WO2025009879A1</a>	GRAPHENIDE TECH CO LTD [KR]	Electrode additive, and lithium metal electrode and lithium metal battery comprising same
<a href="#">WO2025009921A1</a>	UNIV EWHA IND COLLABORATION [KR]	Separator coating material, comprising conductive metal-organic framework, for secondary battery, and lithium-sulfur secondary battery comprising same
<a href="#">WO2025009876A1</a>	GRAPHENIDE TECH CO LTD [KR]	Electrode additive, negative electrode comprising same for lithium secondary battery, and method for manufacturing negative electrode for lithium secondary battery
<a href="#">WO2025009247A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Method for manufacturing electrode for electric power storage module, and method for manufacturing electric power storage module
<a href="#">WO2025009830A1</a>	LG CHEMICAL LTD [KR]	Carbon nanotube dispersion and preparation method therefor
<a href="#">WO2025009017A1</a>	TDK CORP [JP]	Power storage element
<a href="#">WO2025010817A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, secondary battery and electric device
<a href="#">WO2025007599A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Winding needle, winding apparatus, battery manufacturing apparatus, and winding method
<a href="#">WO2025007595A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Polythiophene conductive polymer, positive electrode slurry, positive electrode sheet and preparation method therefor, battery cell, battery, and electric device
<a href="#">WO2025003619A1</a>	SUEZ INT [FR]	Method for dismantling batteries, involving deep discharging and energy recovery
<a href="#">WO2025005623A1</a>	LG ENERGY SOLUTION LTD [KR]	Battery manufacturing apparatus



<a href="#">WO2025005247A1</a>	HORIBA LTD [JP]	Battery case evaluation system, battery case evaluation program, and battery case evaluation method
<a href="#">WO2025005962A1</a>	UNIV LELAND STANFORD JUNIOR [US]	Ultra-low temperature rechargeable li/cl2 batteries with thionyl chloride electrolytes
<a href="#">WO2025004811A1</a>	PANASONIC IP MAN CO LTD [JP]	Secondary battery
<a href="#">WO2025005665A1</a>	NAUL INC [KR]	Method for reprocessing waste lithium secondary battery
<a href="#">WO2025003609A1</a>	VERKOR [FR]	Electrolyte, and lithium ion battery comprising same
<a href="#">WO2025004937A1</a>	ORGANO CORP [JP]	Battery housing body and battery pack
<a href="#">WO2025005834A1</a>	EPIROC ROCK DRILLS AB [SE]	Battery system and method for electric power flow control therein
<a href="#">WO2025004869A1</a>	SUMITOMO RIKO CO LTD [JP]	Heat exchanger for cooling
<a href="#">WO2025004950A1</a>	GS YUASA INT LTD [JP]	All-solid-state secondary battery
<a href="#">WO2025005658A1</a>	POSCO FUTURE M CO LTD [KR]	Cathode active material for lithium secondary battery. And lithium secondary battery comprising same
<a href="#">WO2025005656A1</a>	POSCO FUTURE M CO LTD [KR]	Cathode active material for lithium secondary battery and lithium secondary battery comprising same
<a href="#">WO2025003611A1</a>	PELLENC ENERGY [FR]	Metal microparticles for battery anode
<a href="#">WO2025000213A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery pressurizing device and method
<a href="#">WO2025005661A1</a>	POSCO FUTURE M CO LTD [KR]	Method for preparing positive electrode active material for lithium secondary battery and lithium secondary battery comprising positive electrode active material prepared thereby
<a href="#">WO2025005119A1</a>	FUJIFILM CORP [JP]	Binder for all-solid-state secondary battery, inorganic solid electrolyte-containing composition, sheet for all-solid-state secondary battery, and all-solid-state secondary battery
<a href="#">WO2025004746A1</a>	PANASONIC IP MAN CO LTD [JP]	Secondary battery
<a href="#">WO2025005746A1</a>	LG ENERGY SOLUTION LTD [KR]	Cathode active material, cathode comprising same, and lithium secondary battery
<a href="#">WO2025004066A1</a>	TVS MOTOR CO LTD [IN]	A thermal management system for an energy storage system and a method thereof
<a href="#">WO2025000559A1</a>	ZHUHAI COSMX BATTERY CO LTD [CN]	Battery and electronic device
<a href="#">WO2025000557A1</a>	ZHUHAI COSMX BATTERY CO LTD [CN]	Battery and electronic device
<a href="#">WO2025003375A1</a>	SPECIALTY OPERATIONS FRANCE [FR]	Positive electrode composition
<a href="#">WO2025000560A1</a>	ZHUHAI COSMX BATTERY CO LTD [CN]	Electrolyte and battery
<a href="#">WO2025005745A1</a>	LG ENERGY SOLUTION LTD [KR]	Positive electrode active material, method for preparing same, positive electrode comprising same, and lithium secondary battery
<a href="#">WO2025003361A1</a>	I TEN [FR]	Process for manufacturing a porous electrode, and battery containing such an electrode
<a href="#">WO2025005660A1</a>	POSCO FUTURE M CO LTD [KR]	Method for preparing positive electrode active material for lithium secondary battery, and lithium secondary battery comprising positive electrode active material prepared using same
<a href="#">WO2025003357A1</a>	I TEN [FR]	Process for manufacturing a porous electrode, and battery containing such an electrode
<a href="#">WO2025000468A1</a>	NINGDE AMPEREX TECHNOLOGY LTD [CN]	Electrochemical device and electronic device
<a href="#">WO2025005091A1</a>	TOAGOSEI CO LTD [JP]	Composite electrolyte and power storage device
<a href="#">WO2025005668A1</a>	LG CHEMICAL LTD [KR]	Separator for electrochemical device and electrochemical device comprising same
<a href="#">WO2025002224A1</a>	BEIJING WELION NEW ENERGY TECH CO LTD [CN]	Oxygen element-doped sulfide electrolyte and preparation method therefor and use thereof
<a href="#">WO2025005015A1</a>	TOAGOSEI CO LTD [JP]	Composition and method for producing same, dried product and method for producing same, solid electrolyte, and power storage device
<a href="#">WO2025002897A1</a>	MUNICH ELECTRIFICATION GMBH [DE]	Battery management system, battery pack and switch device control method
<a href="#">WO2025001323A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANG HAI LIMITED [CN]	Battery case, battery, and electric device
<a href="#">WO2025000741A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, sodium secondary battery and electric device

<a href="#">WO202500800A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Negative electrode sheet and preparation method therefor, battery cell and electric device
<a href="#">WO202500955A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte solution, lithium-ion battery and formation method therefor, and electric apparatus
<a href="#">WO202500865A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Electrolyte, lithium-ion battery and formation method therefor, and electric device
<a href="#">WO202500866A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Lithium-ion battery, preparation method therefor, and electric apparatus
<a href="#">WO2025001184A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Negative electrode sheet, cell, battery and electric device
<a href="#">WO2025001479A1</a>	SHENZHEN CAPCHEM TECHNOLOGY CO LTD [CN]	Secondary battery electrolyte additive and preparation method therefor
<a href="#">WO202500969A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Adhesive tape attaching device and adhesive tape attaching method
<a href="#">WO2025001415A1</a>	HUAWEI TECH CO LTD [CN]	Graphite negative electrode material, and preparation method therefor and use thereof
<a href="#">WO2025003569A1</a>	AVANT TECNO OY [FI]	Battery pack
<a href="#">WO2025003570A1</a>	AVANT TECNO OY [FI]	Battery pack
<a href="#">WO2025001158A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode sheet, battery cell, secondary battery and electric device
<a href="#">WO2025001012A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery production device, battery production apparatus, and battery production method
<a href="#">WO202500951A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Positive electrode sheet, battery cell, battery, and electric device
<a href="#">WO2025055491A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical device
<a href="#">WO2025044260A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electrical device
<a href="#">WO2025053411A1</a>	KIM WON BAE [KR]	Battery case for fire extinguishing of electric vehicle and fire extinguishing connector for fire extinguishing of electric vehicle
<a href="#">WO2025026221A1</a>	BYD CO LTD [CN]	Integrated cooling device and electric vehicle
<a href="#">WO2025060246A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Buffer pad, battery cell, battery, and electric device having same
<a href="#">WO2025055558A1</a>	EVE ENERGY CO LTD [CN]	Liquid cooling system and battery box using same
<a href="#">WO2025020460A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery, battery system and electrical device
<a href="#">WO2025044798A1</a>	BYD CO LTD [CN]	Battery pack and electric vehicle
<a href="#">WO2025043785A1</a>	CHONGQING TALENT NEW ENERGY CO LTD [CN]	Ring-shaped battery, battery module, and electric device
<a href="#">WO2025025612A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Method for pulse heating of power battery of electric vehicle, and electric vehicle
<a href="#">WO2025036032A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Heat exchange assembly, battery and electric device
<a href="#">WO2025011193A1</a>	SUNWODA MOBILITY ENERGY TECHNOLOGY CO LTD [CN]	Cooling device and battery pack
<a href="#">WO2025056086A1</a>	EVE POWER CO LTD [CN]	Lithium iron phosphate battery and hybrid vehicle
<a href="#">WO2025010893A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery and electrical apparatus
<a href="#">WO2025007746A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Box assembly, battery and electrical device
<a href="#">WO2025015982A1</a>	SUNWODA MOBILITY ENERGY TECHNOLOGY CO LTD [CN]	Battery pack and electrical device
<a href="#">WO2025011192A1</a>	SUNWODA MOBILITY ENERGY TECHNOLOGY CO LTD [CN]	Cooling device and battery pack
<a href="#">WO2025020674A1</a>	BYD CO LTD [CN]	Heat exchange plate and battery pack case having same, battery pack, and vehicle
<a href="#">WO202500801A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Communication pipe, thermal management assembly, battery, and electric device
<a href="#">WO2025001023A1</a>	SUNWODA MOBILITY ENERGY TECHNOLOGY CO LTD [CN]	Battery pack and electric vehicle
<a href="#">WO2025001006A1</a>	SUNWODA MOBILITY ENERGY TECHNOLOGY CO LTD [CN]	Battery cell and battery module
<a href="#">WO2025002461A1</a>	SVOLT ENERGY TECH CO LTD [CN]	Power battery

<a href="#">WO2025007922A1</a>	ZHUHAI COSMX BATTERY CO LTD [CN]	Electrolyte and battery comprising same
<a href="#">WO2025007423A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery and electric device
<a href="#">WO2025010826A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery, and electric device
<a href="#">WO2025015699A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery cell, battery and electric device
<a href="#">WO2025011391A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery and electric device
<a href="#">WO2025015697A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Protective film, battery cell, battery, and electric device
<a href="#">WO2025062329A1</a>	FIAT RICERCHE [IT]	Method and system for conditioning the temperature of a traction battery of an electric or hybrid vehicle

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## SUPERCONDENSADORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025012248A1</a>	UNIV BORDEAUX [FR] INST POLYTECHNIQUE BORDEAUX [FR] CENTRE NAT RECH SCIENT [FR]	Process for the preparation of a porous monolithic carbonaceous material, the porous monolithic carbonaceous material obtained by said process, and its use as supercapacitor electrode
<a href="#">WO2025057904A1</a>	GS YUASA INT LTD [JP]	Non-aqueous electrolyte power storage element
<a href="#">WO2025062254A1</a>	SEMICONDUCTOR ENERGY LAB [JP]	Secondary battery
<a href="#">WO2025063110A1</a>	GS YUASA INT LTD [JP]	Power storage element and method for producing power storage element
<a href="#">WO2025047414A1</a>	TOYOTA JIDOSHOKKI KK [JP] TOYOTA MOTOR CO LTD [JP]	Power storage module
<a href="#">WO2025029560A1</a>	UNIV NORTHWESTERN [US]	Screen-printed microsupercapacitors enabled by hexagonal boron nitride ionogel electrolytes
<a href="#">WO2025033355A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Negative electrode for power storage device, and power storage device
<a href="#">WO2025053143A1</a>	TOYOTA JIDOSHOKKI KK [JP]	Power storage module
<a href="#">WO2025033381A1</a>	NIPPON CHEMICON [JP]	Solid electrolytic capacitor and production method
<a href="#">WO2025009247A1</a>	TOYOTA JIDOSHOKKI KK [JP] TOYOTA MOTOR CO LTD [JP]	Method for manufacturing electrode for electric power storage module, and method for manufacturing electric power storage module
<a href="#">WO2025005091A1</a>	TOAGOSEI CO LTD [JP]	Composite electrolyte and power storage device
<a href="#">WO2025003361A1</a>	I TEN [FR]	Process for manufacturing a porous electrode, and battery containing such an electrode
<a href="#">WO2025003357A1</a>	I TEN [FR]	Process for manufacturing a porous electrode, and battery containing such an electrode
<a href="#">WO2025063754A1</a>	POSTECH RES & BUSINESS DEV FOUND [KR]	Method for wettability modification of carbon allotropes and wettability-modified carbon allotropes thereof
<a href="#">WO2025047188A1</a>	PANASONIC IP MAN CO LTD [JP]	Power storage unit
<a href="#">WO2025009876A1</a>	GRAPHENIDE TECH CO LTD [KR]	Electrode additive, negative electrode comprising same for lithium secondary battery, and method for manufacturing negative electrode for lithium secondary battery
<a href="#">WO2025048375A1</a>	JB EST CO LTD [KR]	Carbon material for supercapacitor electrode and method for producing same

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## SISTEMAS DE RECUPERACIÓN DE ENERGÍA FRENOS REGENERATIVOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025004099A1</a>	MAHINDRA & MAHINDRA LTD [IN]	Systems for achieving regenerative braking in a vehicle
<a href="#">WO2025041152A1</a>	TVS MOTOR CO LTD [IN]	System and method for controlling regenerative braking in a vehicle
<a href="#">WO2025048077A1</a>	LG ENERGY SOLUTION LTD [KR]	System and method for determining and managing battery degradation
<a href="#">WO2025021880A2</a>	BREMBO SPA [IT]	Vehicle and method for brake blending in a vehicle
<a href="#">WO2025048078A1</a>	LG ENERGY SOLUTION LTD [KR]	System and method for determining and managing battery degradation
<a href="#">WO2025038928A1</a>	TRANSP IP HOLDINGS LLC [US]	Propulsion and/or braking control system
<a href="#">WO2025004146A1</a>	MITSUBISHI ELECTRIC CORP [JP]	Brake control device and brake control method
<a href="#">WO2025048753A1</a>	TURKIYENIN OTOMOBILI GIRISIM GRUBU SANAYI VE TICARET ANONIM SIRKETI [TR]	A braking system
<a href="#">WO2025046835A1</a>	MITSUBISHI MOTORS CORP [JP]	Braking control device
<a href="#">WO2025044614A1</a>	CHINA FAW CO LTD [CN]	Vehicle braking control method and apparatus, and vehicle
<a href="#">WO2025006444A1</a>	FCA US LLC [US]	Intelligent optimized energy storage control for electrified vehicles
<a href="#">WO2025046175A1</a>	STELLANTIS AUTO SAS [FR]	Monitoring regenerative braking phases in a land vehicle

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## MÁQUINAS ELÉCTRICAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025032793A1</a>	NISSAN MOTOR [JP]	Charging control method and charging control system
<a href="#">WO2025025154A1</a>	SCHAEFFLER TECHNOLOGIES AG [DE]	Electric-motor stator and electric motor
<a href="#">WO2025002525A1</a>	BENAMARA RAMZI [DZ]	Self-charging electric car
<a href="#">WO2025000933A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED [CN]	Axial electric motor, power assembly and electric device
<a href="#">WO2025064958A1</a>	HYDRO GEAR LP [US]	Electric motor and controller assembly
<a href="#">WO2025054636A1</a>	TRAN QUOC HIEU [VN]	Powertrain using a complementary combined power supply for electric cars
<a href="#">WO2025027072A1</a>	BROSE FAHRZEUGTEILE SE & CO KG WUERZBURG [DE]	Electric motor for a motor vehicle
<a href="#">WO2025001398A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Electric motor, power assembly and electric vehicle
<a href="#">WO2025038025A1</a>	POLESTAR PERFORMANCE AB [SE]	A rotor for an electric motor
<a href="#">WO2025016892A1</a>	VITESCO TECH GMBH [DE]	Method for operating an electric motor, computer program, computer program product, system, and vehicle
<a href="#">WO2025008116A1</a>	POLESTAR PERFORMANCE AB [SE]	A method for attaching a busbar to a rotor winding of a rotor
<a href="#">WO2025060616A1</a>	ANHUI WELLING AUTO PARTS CORPORATION LTD [CN]	Electric motor, water pump, and vehicle
<a href="#">WO2025038801A2</a>	MAGNA INT INC [CA]	Discontinuous control strategy for rare-earth-free powertrain system in electric vehicle applications
<a href="#">WO2025031680A1</a>	BAYERISCHE MOTOREN WERKE AG [DE]	Control device and method for actively reducing a voltage in a high-voltage system
<a href="#">WO2025044779A1</a>	CRRC ZHUZHOU ELECTRIC LOCOMOTIVE RES INSTITUTE CO LTD [CN]	Stator, electric motor, and preparation method for stator
<a href="#">WO2025001704A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Motor with distributed oil passing of motor shaft, power assembly and electric vehicle
<a href="#">WO2025055379A1</a>	DONGFENG MOTOR GROUP CO LTD [CN]	Electric motor drive system and vehicle
<a href="#">WO2025047200A1</a>	HITACHI INDUSTRY EQUIPMENT SYSTEMS CO LTD [JP]	Rotating electrical machine
<a href="#">WO2025033349A1</a>	NITTOKU CO LTD [JP]	Method for manufacturing stator, device for manufacturing stator, and method for manufacturing motor
<a href="#">WO2025032810A1</a>	NISSAN MOTOR [JP]	Drive unit
<a href="#">WO2025016655A1</a>	IFP ENERGIES NOW [FR]	Axial flux electric machine with thermal guide between each coil and each associated tooth
<a href="#">WO2025001379A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED [CN]	Interlayer insulation paper, stator, axial motor, electric drive assembly and driving device
<a href="#">WO2025001380A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED [CN]	Slot insulation paper, stator, axial motor, electric drive assembly, and driving device
<a href="#">WO2025022171A1</a>	REZAEI SANI MEYSAM [IR]	A combined cycle generator with a 100% efficiency
<a href="#">WO2025033887A1</a>	NEW MOTECH CO LTD [KR]	In-wheel motor with electronic brake module
<a href="#">WO2025011858A1</a>	AUDI AG [DE]	Method for operating a drive device for a motor vehicle, corresponding drive device and computer program product
<a href="#">WO2025011691A1</a>	SCHAEFFLER TECHNOLOGIES AG [DE]	Rotor, method for producing a rotor, axial flux machine and motor vehicle
<a href="#">WO2025033888A1</a>	NEW MOTECH CO LTD [KR]	In-wheel motor

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## CONVERTIDORES, INVERSORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025028221A1</a>	DENSO CORP [JP]	Semiconductor module and power conversion device
<a href="#">WO2025044798A1</a>	BYD CO LTD [CN]	Battery pack and electric vehicle
<a href="#">WO2025032791A1</a>	NISSAN MOTOR [JP]	Charging/discharging control method and charging/discharging control device
<a href="#">WO2025032796A1</a>	NISSAN MOTOR [JP]	Electric-vehicle charging control method and electric-vehicle charging control device
<a href="#">WO2025054636A1</a>	TRAN QUOC HIEU [VN]	Powertrain using a complementary combined power supply for electric cars
<a href="#">WO2025012880A1</a>	EATON INTELLIGENT POWER LTD [IE]	Tap changer-based llc converter
<a href="#">WO2025033675A1</a>	SOLUM CO LTD [KR]	Resonant converter and electric vehicle charger comprising same
<a href="#">WO2025063607A1</a>	TOOL & TECH CO LTD [KR]	Discharger for battery pack of electric vehicle
<a href="#">WO2025059330A1</a>	VITESCO TECHNOLOGIES USA LLC [US]	Three-in-one converter integrating solar pv dc/dc, low voltage dc/dc, and high voltage dc/dc
<a href="#">WO2025018235A1</a>	HITACHI ASTEMO LTD [JP]	Charging device and power conversion device
<a href="#">WO2025026730A1</a>	AMPERE SAS [FR]	Method for recharging a traction battery with a voltage source of voltage lower than that of the traction battery and corresponding vehicle
<a href="#">WO2025032797A1</a>	NISSAN MOTOR [JP]	Charging control method and charging control device
<a href="#">WO2025047246A1</a>	DENSO CORP [JP]	Control device for three-level inverter, and program
<a href="#">WO2025003090A1</a>	VITESCO TECH GMBH [DE]	Method for controlling a converter for converting a first electrical voltage into a second electrical voltage
<a href="#">WO2025062495A1</a>	SUBARU CORP [JP]	Drive system
<a href="#">WO2025032790A1</a>	NISSAN MOTOR [JP]	Charge/discharge control method and charge/discharge control device
<a href="#">WO2025026892A1</a>	COMMISSARIAT ENERGIE ATOMIQUE [FR]	Method for controlling a power converter
<a href="#">WO2025064513A1</a>	TAE TECH INC [US]	Energy systems for managing power to primary and auxiliary loads
<a href="#">WO2025062198A1</a>	EATON INTELLIGENT POWER LTD [IE]	Method to operate a bidirectional two-stacked phase shifted dc-to-dc converter in pre-charge mode
<a href="#">WO2025008237A1</a>	VITESCO TECH GMBH [DE]	Electric drive system, control device and control method for such a drive system and computer program
<a href="#">WO2025057622A1</a>	SANDEN CORP [JP]	Electric compressor control board and electric compressor provided with same
<a href="#">WO2025019388A1</a>	GEORGIA TECH RES INST [US]	Modular multilevel inertial-less mv to dc (mv2dc) transformers
<a href="#">WO2025004814A1</a>	DENSO CORP [JP]	Power supply system and control program
<a href="#">WO2025007221A1</a>	HILLCREST ENERGY TECH LTD [CA]	A closed-loop control method for zero voltage switching converters
<a href="#">WO2025000374A1</a>	HUAWEI DIGITAL POWER TECH CO LTD [CN]	Voltage converter, controller applied to voltage converter, and power adapter
<a href="#">WO2025013562A1</a>	SANDEN CORP [JP]	Active filter device and electric air compressor provided with same
<a href="#">WO2025031680A1</a>	BAYERISCHE MOTOREN WERKE AG [DE]	Control device and method for actively reducing a voltage in a high-voltage system
<a href="#">WO2025054006A1</a>	UNIV TEXAS [US]; HUANG QIN [US]	Isolated single-stage bi-directional ac-dc converters
<a href="#">WO2025059765A1</a>	HILLCREST ENERGY TECH LTD [CA]	Pulse distortion compensation for pulse-width-modulation based converters
<a href="#">WO2025009320A1</a>	DENSO CORP [JP]	Semiconductor module
<a href="#">WO2025057809A1</a>	DENSO CORP [JP]	Temperature control device for mobile body and program
<a href="#">WO2025013133A1</a>	NISSAN MOTOR [JP]	Drive unit
<a href="#">WO2025004813A1</a>	DENSO CORP [JP]	Power supply system and control program
<a href="#">WO2025054731A1</a>	LAM JOHN [CA]	High power factor ac/dc converters with reduced storage capacitance
<a href="#">WO2025059459A1</a>	DIMAAG AI INC [US]	Charging electric vehicles using dc-to-dc converters with immersion-cooled inductors
<a href="#">WO2025062635A1</a>	MITSUBISHI ELECTRIC CORP [JP]	Drive circuit for semiconductor element and power conversion device
<a href="#">WO2025009900A1</a>	FOUND RES & BUSINESS SEOUL NAT UNIV SCI & TECH [KR]	Integrated charger
<a href="#">WO2025051423A1</a>	BOSCH GMBH ROBERT [DE]	Active filter circuit for a power electronics circuit and system having an active filter circuit
<a href="#">WO2025013134A1</a>	NISSAN MOTOR [JP]	Drive unit



<a href="#">WO2025053286A1</a>	AISIN CORP [JP]	Vehicle drive device
<a href="#">WO2025000108A1</a>	ELEAPPOWER LTD [CA]	Apparatus for passive common-mode leakage mitigation
<a href="#">WO2025030123A1</a>	SCALVY INC [US]	Methods and systems for power control

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## RECARGA DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025031782A1</a>	KONINKLIJKE PHILIPS NV [NL]	An electric vehicle charging system and method and an electric vehicle

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## CAMBIO DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO2025011031A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Battery swapping device and battery swapping station
<a href="#">WO2025001283A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD [CN]	Rack, rack assembly, and vehicle

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**LANZAMIENTO**



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

GRIFOLS 75



**EJECUCIÓN**



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

CSIC



**CONCLUSIÓN**



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

Real Casa de la Moneda  
Fábrica Nacional  
de Moneda y Timbre



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

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