



Boletín VT

COCHE ELÉCTRICO

3º trimestre 2024

59

Vigilancia Tecnológica

Noticias

[Real Decreto 986/2024](#), de 24 de septiembre, por el que se aprueba la actualización del Plan Nacional Integrado de Energía y Clima 2023-2030 en el que en el periodo 2025-2030 se estima que se habrá alcanzado la paridad de precio en vehículos ligeros y no será necesario apoyo público como ayudas a fondo perdido para adquisición de vehículos.

[Orden 19/07/2024](#) por la cual el MITECO amplía el catálogo de medidas de eficiencia energética susceptibles de obtener un Certificado de Ahorro Energético en la que se introduce, entre otras, las tecnologías que contribuyen a descarbonizar el sector del transporte.

[BOE-B-2024-25113](#) por la que se efectúa la convocatoria de concesión de ayudas a proyectos para el impulso a la cadena de valor del vehículo eléctrico y conectado dentro del PERTE VEC, en el marco del Plan de Recuperación, Transformación y Resiliencia en el año 2024.

[BOLETINES OEPM](#)

CONTENIDO:

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

Solicitudes de Patente Publicadas

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

BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024194547 A1	STELLANTIS AUTO SAS	METHOD FOR DETECTING A LOOSENING OF AN ELECTRICAL CONNECTION SCREWED INTO AN ELECTRIC BATTERY
WO 2024194053 A1	VALEO SYSTEMES THERMIQUES	SEAL SUITABLE FOR A THERMAL CONTROL DEVICE
WO 2024195347 A1	DENSO CORP	REFRIGERATION CYCLE DEVICE
WO 2024196457 A1	ELEMENT ENERGY INC	FAULT DETECTION IN A BATTERY SYSTEM
WO 2024195132 A1	KK TOSHIBA	NON-AQUEOUS ELECTROLYTE BATTERY AND BATTERY PACK
WO 2024196456 A1	ELEMENT ENERGY INC	ANOMALOUS BATTERY NODE DETECTION AND MITIGATION SYSTEM
WO 2024190183 A1	TOHOKU UNIV	POSITIVE ELECTRODE ACTIVE MATERIAL AND MANUFACTURING METHOD OF MAGNESIUM STORAGE BATTERY
WO 2024196016 A1	LG ENERGY SOLUTION LTD	BATTERY MODULE AND BATTERY PACK COMPRISING SAME
WO 2024196104 A1	LG ENERGY SOLUTION LTD	APPARATUS AND METHOD FOR REQUESTING BATTERY INFORMATION
WO 2024194743 A1	RICOH COMPANY LTD	ELECTRODE, NON-AQUEOUS POWER STORAGE ELEMENT, AND METHOD OF MANUFACTURING ELECTRODE
WO 2024195636 A1	MAXELL LTD	POSITIVE ELECTRODE FOR ALL-SOLID-STATE SECONDARY BATTERIES, AND ALL-SOLID-STATE SECONDARY BATTERY
WO 2024194881 A1	TVS MOTOR COMPANY LTD	CELL HOLDER WITH DIFFERENT DIMENSIONS
WO 2024196046 A1	LG ENERGY SOLUTION LTD	BATTERY DISCONNECTION UNIT INCLUDING FIRE-EXTINGUISHING LIQUID AND SECONDARY BATTERY COMPRISING SAME
WO 2024194357 A1	MONTAPLAST GES MIT BESCHRAENKTER HAFTUNG	BATTERY CELL ASSEMBLY
WO 2024192508 A1	HYDRO QUEBEC	SOLID POLYMER ELECTROLYTE FOR ALL-SOLID-STATE BATTERIES
WO 2024196097 A1	LG ENERGY SOLUTION LTD	BATTERY MODULE
WO 2024182938 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY AND ELECTRIC DEVICE
WO 2024182957 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRIC APPARATUS
WO 2024191180 A1	SEOUL NATIONAL UNIV R&DB FOUNDATION	LITHIUM SECONDARY BATTERY AND CONTROLLING METHOD THEREFOR
WO 2024191904 A1	BAE SYSTEMS CONTROLS INC	ARCHITECTURE FOR BATTERY PACKS
WO 2024190991 A1	SK ON CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL FOR SECONDARY BATTERY AND SECONDARY BATTERY COMPRISING SAME
WO 2024191413 A1	ASCEND ELEMENTS INC	DOPED CATHODE MATERIAL FROM RECYCLED LITHIUM-ION BATTERIES
WO 2024186014 A1	LG ENERGY SOLUTION LTD	PARTITION WALL MEMBER HAVING FIRE-EXTINGUISHING PADS AND PACK CASE COMPRISING SAME
WO 2024190502 A1	KRI INC	DETERMINATION DEVICE, DETERMINATION METHOD, AND DETERMINATION PROGRAM

WO 2024191335 A1	SCANIA CV AB	COOLANT TANK FOR A BATTERY MODULE, BATTERY MODULE, BATTERY PACK, AND VEHICLE
WO 2024185923 A1	AIRPOINT CO LTD	SYSTEM FOR DIAGNOSING BATTERY CELL BY USING DIRECT BMS
	CELL POINT CO LTD	
WO 2024185998 A1	CTNS CO LTD	FLEXIBLE MANUFACTURING DEVICE FOR BATTERY PACK AND FLEXIBLE MANUFACTURING SYSTEM FOR BATTERY PACK
WO 2024180142 A1	VALEO SYSTEMES THERMIQUES	THERMAL REGULATION DEVICE FOR COOLING ELECTRICAL ENERGY STORAGE MEMBERS
WO 2024179944 A1	VALEO SYSTEMES THERMIQUES	THERMAL REGULATION DEVICE WITH CENTRAL COLLECTOR
WO 2024182839 A1	UNIV MELBOURNE	RECYCLING OF BATTERY METALS
WO 2024187289 A1	DAETWYLER SCHWEIZ AG	A FLEXIBLE SHEET-LIKE SENSOR DEVICE FOR TEMPERATURE DISTRIBUTION MEASUREMENTS
WO 2024170370 A1	LANXESS DEUTSCHLAND GMBH	RECOVERY OF PHOSPHORUS COMPOUNDS AND IRON COMPOUNDS FROM LFP/LFMP-CONTAINING MATERIALS
WO 2024184682 A1	SES HOLDINGS PTE LTD	ELECTROLYTES CONTAINING SULFONAMIDE-TYPE CYCLIC SALTS, AND ENERGY-STORAGE CELLS AND BATTERIES MADE THEREWITH
WO 2024187433 A1	ZHEJIANG ZEEKR INTELLIGENT TECH CO LTD	HIGH-VOLTAGE SAMPLING CIRCUIT, HIGH-VOLTAGE SAMPLING METHOD, AND BATTERY MANAGEMENT SYSTEM
WO 2024189947 A1	PANASONIC INTELLECTUAL PROPERTY MAN CO LTD	MANUFACTURING METHOD FOR BATTERIES AND MANUFACTURING SYSTEM FOR BATTERIES
WO 2024191153 A1	LG ENERGY SOLUTION LTD	BATTERY PACK WITH IMPROVED SAFETY
WO 2024179635 A1	SCHAEFFLER TECHNOLOGIES AG	METHOD FOR HEATING A BATTERY, AND FLUID DEVICE
WO 2024170685 A1	WPX FASERKERAMIK GMBH	BATTERY HOUSING COVER WITH A FIBRE COMPOSITE WITH AN OXIDE MATRIX
WO 2024180255 A1	NORWEGIAN UNIV SCI & TECH NTNU	SEPARATOR FOR LI-S BATTERY
WO 2024182952 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CASING ASSEMBLY, BATTERY CELL, BATTERY, AND ELECTRICAL APPARATUS
WO 2024183865 A1	ENINNO GMBH	METHOD FOR PROCESSING AND/OR RECYCLING BLACK MASS, BLACK MASS, AND THE USE THEREOF
WO 2024191033 A1	SAMSUNG SDI CO LTD	ELASTIC SHEET FOR ALL-SOLID RECHARGEABLE BATTERIES AND ALL-SOLID RECHARGEABLE BATTERIES
WO 2024191066 A1	SK ON CO LTD	LITHIUM SECONDARY BATTERY
WO 2024191943 A1	ALDELANO IP ASSETS INC	ECO SODIUM-HYDRO BATTERY USING CELL POUCHES FOR CONTAINING CELL ELECTROLYTE
WO 2024170686 A1	WPX FASERKERAMIK GMBH	BATTERY HOUSING COVER WITH A SECTION COMPRISING A FIBRE COMPOSITE WITH AN OXIDE MATRIX
WO 2024184452 A1	UMICORE NV	METHOD FOR MANUFACTURING A LGPS-TYPE SOLID SULFIDE ELECTROLYTE
WO 2024187128 A1	SMARTVILLE INC	BATTERY LIFE BALANCING USING HARD DISCONNECT OF PARALLEL BATTERIES
WO 2024156383 A1	BASQUEVOLT S A U	POLYMER ELECTROLYTE, ELECTROCHEMICAL CELL AND BATTERY COMPRISING SAID ELECTROLYTE, METHOD OF PREPARATION AND USES THEREOF
WO 2024156479 A1	VALEO SYSTEMES THERMIQUES	CENTRALISED TEMPERATURE MANAGEMENT MODULE OF A BATTERY SYSTEM
WO 2024159168 A1	CUBERG INC	LITHIUM-METAL CELLS WITH LIQUID ELECTROLYTES AND HIGH-POROSITY SEPARATORS
WO 2024171035 A1	GD SPA	PROCESSING LINE OF ELECTROCHEMICAL CELLS
WO 2024187016 A1	ASPEN AEROGELS INC	CLIMATE CONTROLLED BATTERY MODULE AND METHOD
WO 2024183851 A1	BAYERISCHE MOTOREN WERKE AG	BATTERY AND METHOD FOR PRODUCING THE BATTERY
WO 2024184606 A1	AMPERE SAS	BLOCK OF BATTERY CELLS, IN PARTICULAR FOR A MOTOR VEHICLE
WO 2024188561 A1	MERCEDES BENZ GROUP AG	METHOD FOR DETERMINING THE AGEING OF AN INDIVIDUAL BATTERY CELL
WO 2024191260 A1	SK ON CO LTD	SECONDARY BATTERY ELECTROLYTE, MANUFACTURING METHOD THEREFOR, AND LITHIUM SECONDARY BATTERY COMPRISING SAME

WO 2024170377 A1	LANXESS DEUTSCHLAND GMBH	RECOVERY OF PHOSPHORUS COMPOUNDS AND IRON COMPOUNDS FROM IRON PHOSPHATE-CONTAINING MATERIALS
WO 2024179945 A1	VALEO SYSTEMES THERMIQUES	THERMAL REGULATION DEVICE FOR COMPONENTS
WO 2024185671 A1	T RAD CO LTD	STACKED-PLATE-TYPE EVAPORATOR
WO 2024189564 A1	ATTERO RECYCLING PVT LTD	AN APPARATUS AND A METHOD FOR DISCHARGING SPENT LITHIUM-ION BATTERY
WO 2024191194 A1	SK ON CO LTD	ELECTROLYTE FOR SECONDARY BATTERY, MANUFACTURING METHOD THEREFOR, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
WO 2024183235 A1	SHENZHEN INX TECH CO LTD	METHOD AND DEVICE FOR COMPOSITING BATTERY ELECTRODE SHEET AND SEPARATOR, BATTERY CELL PREPARATION METHOD, AND BATTERY
WO 2024187760 A1	BYD COMPANY LTD	BATTERY CELL AND BATTERY
WO 2024190050 A1	MURATA MFG CO LTD	SECONDARY BATTERY ELECTROLYTE AND SECONDARY BATTERY
WO 2024191908 A1	BAE SYSTEMS CONTROLS INC	TRIGGER CELL FOR TRIGGERING THERMAL RUNAWAY IN BATTERIES
WO 2024183043 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	LITHIUM SECONDARY BATTERY AND ELECTRICAL DEVICE
WO 2024185999 A1	CTNS CO LTD	FLEXIBLE DEVICE FOR MANUFACTURING BATTERY PACKS AND FLEXIBLE SYSTEM FOR MANUFACTURING BATTERY PACKS
WO 2024188662 A1	CUSTOMCELLS HOLDING GMBH	A METHOD OF OBTAINING A METALATED BATTERY ELECTRODE
WO 2024189643 A1	TVS MOTOR COMPANY LTD	A VALVE
WO 2024189946 A1	PANASONIC INTELLECTUAL PROPERTY MAN CO LTD	BATTERY MANUFACTURING METHOD AND BATTERY MANUFACTURING SYSTEM
WO 2024190219 A1	DENSO CORP	REFRIGERATION CYCLE DEVICE
WO 2024190693 A1	NITTO DENKO CORP	HEAT INSULATION MEMBER
WO 2024175916 A1	UNIV LIVERPOOL	LITHIUM-ION CONDUCTOR MATERIALS
WO 2024183071 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE, BATTERY CONTAINING SAME, AND ELECTRIC DEVICE
WO 2024180137 A1	VALEO SYSTEMES THERMIQUES	THERMAL REGULATION DEVICE, AND CHARGING DEVICE COMPRISING A THERMAL REGULATION DEVICE
WO 2024183042 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE ADDITIVE, ELECTROLYTE, SECONDARY BATTERY, AND ELECTRICAL DEVICE
WO 2024183319 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE ACTIVE MATERIAL, PREPARATION METHOD THEREFOR, NEGATIVE ELECTRODE SHEET, SECONDARY BATTERY, AND ELECTRICAL APPARATUS
WO 2024187306 A1	CONTEMPORARY AMPEREX TECH CO LIMITED	BATTERY CELL, BATTERY, AND ELECTRIC APPARATUS
WO 2024189065 A1	KARLSRUHER INSTITUT FUER TECH KOERPERSCHAFT DES OEFFENTLICHEN RECHTS	ELECTRODE ARRANGEMENT AND BATTERY COMPRISING THE ELECTRODE ARRANGEMENT
WO 2024159206 A1	FED MOGUL POWERTRAIN LLC	MECHANICALLY COUPLED, MULTILAYER BATTERY PACK INSULATOR
WO 2024170314 A1	MAN TRUCK & BUS SE	STORAGE UNIT FOR ELECTRICAL ENERGY WITH AT LEAST ONE BATTERY CELL AND A SENSOR FOR MEASURING THE CELL SWELLING, AND METHOD FOR PRODUCING THE STORAGE UNIT FOR ELECTRICAL ENERGY
WO 2024182918 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE, BATTERY AND ELECTRICAL APPARATUS
WO 2024183978 A1	SIEMENS AG	IDENTIFYING A TYPE OF BATTERY
WO 2024141980 A1	VOLOSCSUK ANDRAS	MODULAR BATTERY PACK WITH INTERNAL HEAT TRANSFER FLUID DISTRIBUTION
WO 2024160964 A1	CELLFORCE GROUP GMBH	METHOD FOR MANUFACTURING A BATTERY CELL WITH A POUCH HOUSING
WO 2024180984 A1	PANASONIC ENERGY CO LTD	POWER SUPPLY DEVICE

WO 2024141293 A1	AMPERE S A S	BATTERY MODULE, IN PARTICULAR FOR AN ELECTRIC VEHICLE AND BATTERY COMPRISING SUCH A MODULE OR A PLURALITY OF SUCH MODULES
WO 2024177411 A1	LG CHEMICAL LTD	CARBON NANOTUBE DISPERSION AND PREPARATION METHOD THEREFOR
WO 2024181847 A1	LG ENERGY SOLUTION LTD	BATTERY MODULE WITH IMPROVED HEAT DISSIPATION STRUCTURE
WO 2024187926 A1	CONTEMPORARY AMPEREX TECH CO LIMITED	POSITIVE ELECTRODE PLATE, BATTERY, AND ELECTRIC APPARATUS
WO 2024157074 A1	MAHINDRA ELECTRIC AUTOMOBILE LTD	A COOLING PLATE FOR A BATTERY PACK ASSEMBLY
WO 2024177414 A1	LG CHEMICAL LTD	CARBON NANOTUBE DISPERSION AND METHOD FOR PREPARING SAME
WO 2024178681 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE SOLUTION, BATTERY CELL COMPRISING SAME, BATTERY, AND ELECTRIC DEVICE
WO 2024191031 A1	SAMSUNG SDI CO LTD	SOLID ELECTROLYTE MEMBRANE AND ALL-SOLID RECHARGEABLE BATTERY
WO 2024157812 A1	MAXELL LTD	ELECTRODE FOR ALL-SOLID-STATE BATTERY, PRODUCTION METHOD THEREFOR, AND ALL-SOLID-STATE BATTERY
WO 2024168596 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY AND ELECTRIC DEVICE
WO 2024169402 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE ADDITIVE, NEGATIVE ELECTRODE SHEET, SECONDARY BATTERY, AND ELECTRIC DEVICE
WO 2024181243 A1	CANON OPTRON INC	ION CONDUCTIVE SOLID AND ALL-SOLID-STATE BATTERY
WO 2024187089 A1	3M INNOVATIVE PROPERTIES COMPANY	IMPROVED THERMAL BARRIER ELASTICITY
WO 2024187742 A1	CONTEMPORARY AMPEREX TECH CO LIMITED	BATTERY, CHARGING DEVICE, CHARGING METHOD, BATTERY MANAGEMENT SYSTEM AND ELECTRIC APPARATUS
WO 2024158150 A1	SK ON CO LTD	ELECTRODE ASSEMBLY ALIGNMENT DEVICE AND ELECTRODE ASSEMBLY ALIGNMENT METHOD
WO 2024180979 A1	PANASONIC ENERGY CO LTD	POWER SOURCE DEVICE
WO 2024181513 A1	PANASONIC ENERGY CO LTD	SECONDARY BATTERY ELECTRODE AND SECONDARY BATTERY
WO 2024190826 A1	ASAHI KASEI KK	SEPARATOR FOR POWER STORAGE DEVICE, AND POWER STORAGE DEVICE
WO 2024153559 A1	THYSSENKRUPP AUTOMATION ENG GMBH	DEVICE, SYSTEM AND METHOD FOR POSITIONING BATTERY CELLS
WO 2024181086 A1	PANASONIC IP MAN CO LTD	LITHIUM SECONDARY BATTERY
WO 2024181085 A1	PANASONIC IP MAN CO LTD	LITHIUM SECONDARY BATTERY
WO 2024183037 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE PLATE, METHOD FOR PREPARING SAME, BATTERY CELL, BATTERY, AND ELECTRIC APPARATUS
WO 2024185280 A1	TOYOTA MOTOR CO LTD	HEAT MANAGEMENT SYSTEM
WO 2024172154 A1	ASAHI CHEMICAL IND	NONAQUEOUS LITHIUM POWER STORAGE ELEMENT
WO 2024173935 A1	UNIV INDIANA TRUSTEES	METHODS OF RECOVERING ELECTRODE ACTIVE MATERIALS FROM LITHIUM-ION BATTERIES AND ELECTRODES THEREOF
WO 2024169370 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CURRENT COLLECTOR, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRIC DEVICE
WO 2024175389 A1	EVONIK OPERATIONS GMBH	ALUMINUM OXIDE DISPERSIONS FOR USE AS SEPARATOR COATING IN SECONDARY BATTERIES
WO 2024177390 A1	POSCO FUTURE M CO LTD	METHOD OF PREPARING PRECURSOR FOR LITHIUM SECONDARY BATTERY
WO 2024185984 A1	SEOUL NAT UNIV R&DB FOUNDATION	SURFACE-MODIFIED COMPOSITE SOLID ELECTROLYTE AND PREPARATION METHOD THEREFOR
WO 2024165658 A1	UMICORE NV	A COMPOSITE POWDER FOR USE IN THE NEGATIVE ELECTRODE OF A BATTERY, A METHOD FOR PRODUCING SUCH A COMPOSITE POWDER AND A BATTERY COMPRISING SUCH A COMPOSITE POWDER

WO 2024167528 A1	TI GROUP AUTOMOTIVE SYSTEMS LLC	HOUSING FOR POWER ELECTRONIC DEVICE
WO 2024169403 A1	ZHUHAI COSMX BATTERY CO LTD	BATTERY
WO 2024174466 A1	YUE XIULAN	BATTERY BOX COOLING, EXPLOSION PREVENTION AND BATTERY SWAPPING SYSTEM CONSISTING OF ANNULAR BATTERIES AND CHILLER
WO 2024185926 A1	SONG JINSUK	DEVICE COMPRISING MAIN BATTERY AND AUXILIARY BATTERY
WO 2024177344 A1	LG ENERGY SOLUTION LTD	BATTERY PACK FOR PREVENTING HEAT PROPAGATION
WO 2024189954 A1	HITACHI HIGH TECH CORP	SECONDARY BATTERY STATE DIAGNOSIS SYSTEM AND STATE DIAGNOSIS METHOD
WO 2024149705 A1	NEWFREY LLC	BATTERY CELL SUB-ASSEMBLY, BATTERY MODULE SUB-ASSEMBLY AND BATTERY PACK
WO 2024179047 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE MATERIAL AND PREPARATION METHOD THEREFOR, POSITIVE ELECTRODE SHEET, AND USE THEREOF
WO 2024185332 A1	HITACHI HIGH TECH CORP	BATTERY PACK DIAGNOSIS METHOD AND DIAGNOSIS DEVICE
WO 2024157535 A1	JAPAN CLIMATE SYSTEMS CORP	VEHICLE HEAT EXCHANGER
WO 2024163989 A1	FED MOGUL POWERTRAIN LLC	FLAME-RESISTANT, COATED FABRIC INSULATOR
WO 2024171838 A1	MURATA MANUFACTURING CO	SECONDARY BATTERY
WO 2024169212 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL, PREPARATION METHOD THEREFOR, POSITIVE ELECTRODE SHEET, SECONDARY BATTERY AND ELECTRICAL APPARATUS
WO 2024177214 A1	SEOUL NAT UNIV R&DB FOUNDATION	COMPOSITE SOLID ELECTROLYTE LAYER, METHOD FOR MANUFACTURING SAME, AND ALL-SOLID-STATE SECONDARY BATTERY
WO 2024178708 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SODIUM BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
WO 2024179180 A1	ZHUHAI COSMX BATTERY CO LTD	LITHIUM ION BATTERY
WO 2024181055 A1	TOAGOSEI CO LTD	GEL ELECTROLYTE, CURABLE COMPOSITION AND POWER STORAGE DEVICE
WO 2024181149 A1	PANASONIC IP MAN CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO 2024181818 A1	UNIV SOGANG RES & BUSINESS DEVELOPMENT FOUND	METHOD FOR EXTRACTING LITHIUM FROM LITHIUM-CONTAINING MATERIAL
WO 2024153592 A1	NORTHVOLT AB	A COVERED TERMINAL RIVET FOR A SECONDARY CELL AND A METHOD OF MANUFACTURING A SECONDARY CELL
WO 2024171141 A1	3M INNOVATIVE PROPERTIES COMPANY	INTUMESCENT COATING
WO 2024180504 A1	MAHINDRA ELECTRIC AUTOMOBILE LTD	A COVER PLATE FOR COOLING PLATE OF BATTERY PACK ASSEMBLY AND METHOD OF MOUNTING THEREOF
WO 2024145561 A1	SILA NANOTECHNOLOGIES INC	JAGGED ELECTROCHEMICALLY-ACTIVE COMPOSITE PARTICLES FOR LITHIUM-ION BATTERIES
WO 2024160981 A1	AUTOMOTIVE CELLS COMPANY SE	WIRE FOR CUTTING A FILLER COMPOUND
WO 2024169358 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE CURRENT COLLECTOR, PREPARATION METHOD THEREFOR, AND BATTERY AND ELECTRIC DEVICE INCLUDING SAME
WO 2024181112 A1	PANASONIC IP MAN CO LTD	BATTERY ANALYSIS SYSTEM, BATTERY ANALYSIS METHOD, BATTERY ANALYSIS PROGRAM, AND STORAGE MEDIUM WITH BATTERY ANALYSIS PROGRAM RECORDED THEREIN
WO 2024149661 A1	ELRINGKLINGER AG	STORAGE DEVICE AND METHOD FOR PRODUCING A STORAGE DEVICE
WO 2024149507 A1	AUTONEUM MAN AG	FLAME RESISTANT SHIELD FOR A BATTERY MODULE FOR A BATTERY ELECTRIC VEHICLE
WO 2024153811 A1	NORTHVOLT REVOLT AB	PROCESS FOR RECOVERING MATERIALS FROM A CELL
WO 2024169379 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL AND PREPARATION METHOD THEREFOR, POSITIVE ELECTRODE SHEET, BATTERY AND ELECTRIC DEVICE

WO 2024178982 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL, POSITIVE ELECTRODE PLATE, SECONDARY BATTERY, AND POWERED DEVICE
WO 2024178706 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY AND ELECTRICAL APPARATUS
WO 2024181012 A1	MURATA MANUFACTURING CO	SECONDARY BATTERY AND BATTERY PACK
WO 2024181857 A1	ENFLOW CO LTD	SULFIDE-BASED SOLID ELECTROLYTE AND ALL-SOLID-STATE BATTERY COMPRISING SAME
WO 2024188928 A1	JAGUAR LAND ROVER LTD	BATTERY CELL
WO 2024163789 A1	SENSATA TECHNOLOGIES INC	OPTIMIZED BATTERY DISCONNECT UNIT
WO 2024168817 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POLYMER, ELECTRODE SHEET AND BATTERY CELL RELATED THERETO, BATTERY, AND ELECTRICAL DEVICE
WO 2024181148 A1	PANASONIC ENERGY CO LTD	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
WO 2024186025 A1	LG ENERGY SOLUTION LTD	PRESSURE MEMBER AND POUCH CELL COMPRISING SAME
WO 2024149568 A1	AMPERE S A S	BATTERY DEVICE, IN PARTICULAR FOR A VEHICLE
WO 2024172317 A1	L&F CO LTD	CATHODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY
WO 2024176901 A1	SANDEN CORP	HEATING MEDIUM MANAGEMENT SYSTEM, HEATING MEDIUM SUPPLY DEVICE, AND ELECTRIC VEHICLE
WO 2024151656 A1	TESLA INC	BATTERY CELL IMBALANCE DETECTION SYSTEM DURING BATTERY DISCHARGING
WO 2024165517 A1	TOTALENERGIES ONETECH	USE OF A DIESTER IN A COOLING AND/OR LUBRICATING COMPOSITION FOR AN ELECTRONIC DEVICE
WO 2024172503 A1	LG ENERGY SOLUTION LTD	CATHODE ACTIVE MATERIAL, PREPARATION METHOD THEREFOR, CATHODE COMPRISING SAME, AND LITHIUM SECONDARY BATTERY
WO 2024176830 A1	PANASONIC IP MAN CO LTD	DETERIORATION SUPPRESSION SYSTEM, DETERIORATION SUPPRESSION METHOD, DETERIORATION SUPPRESSION PROGRAM, AND STORAGE MEDIUM HAVING DETERIORATION SUPPRESSION PROGRAM WRITTEN THEREIN
WO 2024182391 A1	SION POWER CORP	MULTIPLEXING SYSTEMS FOR BATTERIES OF ELECTROCHEMICAL CELLS
WO 2024138385 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	GEL ELECTROLYTE COMPOSITION, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL DEVICE
WO 2024143012 A1	PANASONIC IP MAN CO LTD	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND POSITIVE ELECTRODE USED IN SAME
WO 2024144166 A1	LG ENERGY SOLUTION LTD	APPARATUS AND METHOD FOR MANAGING BATTERY
WO 2024147963 A1	NOVONIX BATTERY TECH SOLUTIONS INC	DRY METHODS FOR MODIFICATION OF SINGLE-CRYSTAL BATTERY CATHODE MATERIALS
WO 2024150804 A1	GS YUASA INT LTD	POWER STORAGE ELEMENT
WO 2024158235 A1	LG ENERGY SOLUTION LTD	BATTERY DIAGNOSIS DEVICE AND METHOD
WO 2024181285 A1	SANOH IND CO LTD	ALL-SOLID-STATE BATTERY AND METHOD OF MANUFACTURING ALL-SOLID-STATE BATTERY
WO 2024139217 A1	BYD CO LTD	BATTERY SELF-HEATING SYSTEM AND CONTROL METHOD THEREFOR, AND ELECTRIC VEHICLE
WO 2024143013 A1	PANASONIC IP MAN CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND POSITIVE ELECTRODE USING SAME
WO 2024143011 A1	PANASONIC IP MAN CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND POSITIVE ELECTRODE USING SAME
WO 2024143389 A1	FUJIFILM CORP	ELECTRODE SHEET FOR ALL-SOLID-STATE SECONDARY BATTERY, AND ALL-SOLID-STATE SECONDARY BATTERY
WO 2024145894 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SEPARATOR AND PREPARATION METHOD THEREFOR, BATTERY, AND ELECTRIC DEVICE
WO 2024160504 A1	VALEO SYSTEMES THERMIQUES	STRUCTURE WITH CIRCULATION OF HEAT-TRANSFER FLUID
WO 2024143091 A1	SUMITOMO BAKELITE CO	RESIN BATTERY MODULE
WO 2024142877 A1	MURATA MANUFACTURING CO	SECONDARY BATTERY

WO 2024144325 A1	SK ON CO LTD	BIPOLAR BATTERY AND MANUFACTURING METHOD THEREFOR
WO 2024144171 A1	LG ENERGY SOLUTION LTD	ANODE COMPOSITION, METHOD FOR PREPARING SAME, ANODE SLURRY, ANODE, AND LITHIUM SECONDARY BATTERY
WO 2024145932 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE CURRENT COLLECTOR AND PREPARATION METHOD THEREFOR, NEGATIVE ELECTRODE SHEET, SECONDARY BATTERY AND ELECTRIC DEVICE
WO 2024147548 A1	LG CHEMICAL LTD	POSITIVE ELECTRODE ACTIVE MATERIAL, POSITIVE ELECTRODE COMPRISING SAME, AND LITHIUM SECONDARY BATTERY
WO 2024152365 A1	RIVIAN IP HOLDINGS LLC	BATTERY PACK AND ELECTRICAL COMPONENTS
WO 2024172516 A1	LG ENERGY SOLUTION LTD	BATTERY PACKAGE
WO 2024143014 A1	PANASONIC IP MAN CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND POSITIVE ELECTRODE USING SAME
WO 2024143874 A1	LG ENERGY SOLUTION LTD	BATTERY CELL, BATTERY MODULE, BATTERY PACK, AND VEHICLE COMPRISING SAME
WO 2024143753 A1	LG ENERGY SOLUTION LTD	BATTERY ASSEMBLY, AND BATTERY PACK AND VEHICLE INCLUDING SAME
WO 2024144037 A1	LG ENERGY SOLUTION LTD	ELECTRODE COMPOSITION, MANUFACTURING METHOD THEREFOR, ELECTRODE SLURRY, ELECTRODE, AND LITHIUM SECONDARY BATTERY
WO 2024144375 A1	LG ENERGY SOLUTION LTD	POSITIVE ELECTRODE FOR ALL-SOLID-STATE BATTERY, AND ALL-SOLID-STATE BATTERY COMPRISING SAME
WO 2024146363 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL WINDING SYSTEM AND BATTERY CELL WINDING METHOD
WO 2024147608 A1	LG ENERGY SOLUTION LTD	LITHIUM SECONDARY BATTERY COMPRISING HEAT-DISSIPATING CURRENT COLLECTOR
WO 2024150604 A1	MURATA MANUFACTURING CO	SOLID-STATE BATTERY
WO 2024148591 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POLYMER, ELECTRODE SHEET, AND BATTERY CELL, BATTERY AND ELECTRIC DEVICE RELATED THERETO
WO 2024157880 A1	KATAOKA CORP	CHARGE/DISCHARGE TESTING DEVICE
WO 2024166202 A1	NISSAN MOTOR	BATTERY DEGRADATION STATE ESTIMATION DEVICE AND BATTERY DEGRADATION STATE ESTIMATION METHOD
WO 2024142521 A1	DENSO CORP	BATTERY MANAGEMENT PROGRAM AND BATTERY MANAGEMENT SYSTEM
WO 2024143221 A1	PANASONIC IP MAN CO LTD	LITHIUM SECONDARY BATTERY
WO 2024144185 A1	LG ENERGY SOLUTION LTD	MANDREL FOR ELECTRODE ASSEMBLY AND CYLINDRICAL BATTERY CELL PRODUCED USING SAME, AND BATTERY PACK AND VEHICLE COMPRISING CYLINDRICAL BATTERY CELL
WO 2024144309 A1	HANWHA SOLUTIONS CORP	SILICON-POLYMER COMPOSITE, PREPARATION METHOD THEREFOR, AND ANODE ACTIVE MATERIAL COMPRISING SAME
WO 2024145811 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE SOLUTION, SECONDARY BATTERY COMPRISING SAME, AND ELECTRIC DEVICE
WO 2024172408 A1	SK ON CO LTD	ANODE FOR SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING SAME
WO 2024143219 A1	PANASONIC IP MAN CO LTD	LITHIUM SECONDARY BATTERY
WO 2024157818 A1	ALPHA BRIGHT CO LTD	LEAD SULFATE COATING REMOVAL DEVICE, LEAD SULFATE COATING REMOVAL SYSTEM, AND LEAD SULFATE COATING REMOVAL METHOD
WO 2024166204 A1	FURUKAWA CO LTD	DIPHOSPHORUS PENTASULFIDE COMPOSITION, STARTING MATERIAL COMPOSITION FOR SULFIDE-BASED INORGANIC SOLID ELECTROLYTE MATERIALS, SULFIDE-BASED INORGANIC SOLID ELECTROLYTE MATERIAL, METHOD FOR PRODUCING SULFIDE-BASED INORGANIC SOLID ELECTROLYTE MATERIAL, SOLID ELECTROLYTE, SOLID ELECTROLYTE MEMBRANE, ALL-SOLID-STATE LITHIUM ION BATTERY AND METHOD FOR PRODUCING DIPHOSPHORUS PENTASULFIDE COMPOSITION
WO 2024168220 A1	TICONA LLC	NONAQUEOUS ELECTROCHEMICAL BATTERY CONTAINING A SEALING MEMBER

WO 2024186026 A1	LG ENERGY SOLUTION LTD	BATTERY PACK
WO 2024138578 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	WINDING DEVICE AND WINDING METHOD
WO 2024142667 A1	PANASONIC ENERGY CO LTD	BATTERY PACK AND PRODUCTION METHOD FOR SAME
WO 2024143008 A1	PANASONIC IP MAN CO LTD	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND POSITIVE ELECTRODE USING SAME
WO 2024144229 A2	LG ENERGY SOLUTION LTD	APPARATUS AND METHOD FOR MANAGING BATTERY
WO 2024145895 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ORGANIC PARTICLE, SEPARATOR AND MANUFACTURING METHOD THEREFOR, BATTERY, AND ELECTRIC DEVICE
WO 2024146680 A1	PERKINS ENGINES CO LTD	A METHOD OF THERMAL MANAGEMENT OF A BATTERY
WO 2024157592 A1	MURATA MANUFACTURING CO	NEGATIVE ELECTRODE FOR SECONDARY BATTERY AND SECONDARY BATTERY
WO 2024162159 A1	PANASONIC IP MAN CO LTD	POWER STORAGE DEVICE
WO 2024161878 A1	HITACHI LTD	ABNORMALITY COUNTERMEASURE SYSTEM AND ABNORMALITY COUNTERMEASURE METHOD
WO 2024164167 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NON-AQUEOUS ELECTROLYTE, SECONDARY BATTERY COMPRISING SAME, AND ELECTRICAL APPARATUS
WO 2024164308 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
WO 2024174069 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	LITHIUM-RICH METAL OXIDE AND PREPARATION METHOD THEREFOR, POSITIVE ELECTRODE SHEET, BATTERY CELL, AND BATTERY
WO 2024142444 A1	VEHICLE ENERGY JAPAN INC	RECTANGULAR SECONDARY BATTERY
WO 2024145775 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	HEAT EXCHANGE ASSEMBLY, BATTERY AND ELECTRIC DEVICE
WO 2024150566 A1	MURATA MANUFACTURING CO	NEGATIVE ELECTRODE FOR SECONDARY BATTERY, AND SECONDARY BATTERY
WO 2024149330 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE SHEET, BATTERY, AND ELECTRIC DEVICE
WO 2024157620 A1	MURATA MANUFACTURING CO	POSITIVE-ELECTRODE ACTIVE MATERIAL FOR SECONDARY BATTERY, POSITIVE ELECTRODE FOR SECONDARY BATTERY, AND SECONDARY BATTERY
WO 2024162285 A1	APB CORP	BATTERY PRODUCTION DEVICE, BATTERY PRODUCTION SYSTEM, DEVICE FOR PRODUCING LITHIUM-ION BATTERY, AND METHOD FOR PRODUCING BATTERY
WO 2024164109 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	PRE-LITHIATED ELECTRODE MATERIAL, PREPARATION METHOD THEREFOR, SECONDARY BATTERY AND ELECTRICAL APPARATUS
WO 2024164613 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	END COVER ASSEMBLY, BATTERY CELL, BATTERY AND ELECTRICAL DEVICE
WO 2024177272 A1	LG ENERGY SOLUTION LTD	ALUMINIUM TRIHYDROXIDE PARTICLES, MANUFACTURING METHOD THEREOF, AND SEPARATOR, ELECTRODE ASSEMBLY AND LITHIUM SECONDARY BATTERY INCLUDING SAME
WO 2024142581 A1	SUMITOMO RUBBER IND	ELECTRODE AND SECONDARY BATTERY
WO 2024143000 A1	PANASONIC IP MAN CO LTD	LITHIUM SECONDARY BATTERY AND SEPARATOR
WO 2024144159 A1	LG ENERGY SOLUTION LTD	BATTERY MODULE AND BATTERY PACK COMPRISING SAME
WO 2024145898 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SEPARATOR AND PREPARATION METHOD THEREFOR, BATTERY, AND ELECTRIC DEVICE
WO 2024150541 A1	MURATA MANUFACTURING CO	ELECTROLYTE SOLUTION FOR LITHIUM ION SECONDARY BATTERIES, AND LITHIUM ION SECONDARY BATTERY
WO 2024162115 A1	GS YUASA INT LTD	ELECTRICITY STORAGE DEVICE, SWITCH FAILURE DIAGNOSING METHOD, AND SWITCH FAILURE DIAGNOSING PROGRAM
WO 2024182524 A1	MGES LLC	SYSTEM FOR ENERGY STORAGE AND DISTRIBUTION

WO 2024186089 A1	APRO CO LTD	BATTERY CELL HOLDING DEVICE AND BATTERY CELL PERFORMANCE TEST SYSTEM INCLUDING SAME
WO 2024143192 A1	TIGERS POLYMER	BATTERY PACK CUSHIONING MEMBER AND PRODUCTION METHOD FOR SAME
WO 2024150603 A1	MURATA MANUFACTURING CO	SOLID-STATE BATTERY
WO 2024152919 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE MATERIAL, NEGATIVE ELECTRODE PLATE, ELECTRODE ASSEMBLY, BATTERY, AND ELECTRIC DEVICE
WO 2024162415 A1	SEKISUI CHEMICAL CO LTD	CURABLE THERMOCONDUCTIVE ADHESIVE AND MODE FOR SUPPLYING SAME
WO 2024166762 A1	TDK CORP	RECYCLING METHOD FOR LITHIUM ION SECONDARY BATTERIES
WO 2024181069 A1	TDK CORP	NEGATIVE ELECTRODE FOR LITHIUM-ION SECONDARY BATTERIES, AND LITHIUM-ION SECONDARY BATTERY
WO 2024140995 A1	BYD CO LTD	SOLID ELECTROLYTE, SOLID-STATE BATTERY AND ELECTRICAL APPARATUS
WO 2024142669 A1	TIGERS POLYMER	SECONDARY BATTERY
WO 2024143001 A1	PANASONIC IP MAN CO LTD	LITHIUM SECONDARY BATTERY AND SEPARATOR
WO 2024145782 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	PEROVSKITE SOLAR CELL, MANUFACTURING METHOD THEREFOR, AND ELECTRICAL DEVICE
WO 2024145810 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE SOLUTION, SECONDARY BATTERY COMPRISING SAME, AND ELECTRIC DEVICE
WO 2024153519 A1	RENAULT SAS	STRUCTURE FOR AN ELECTRIC OR HYBRID MOTOR VEHICLE
WO 2024157619 A1	PANASONIC ENERGY CO LTD	POWER SUPPLY DEVICE AND METHOD FOR PRODUCING SAME
WO 2024164120 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY AND ELECTRICAL APPARATUS
WO 2024166778 A1	MITSUI MINING & SMELTING CO LTD	NEGATIVE ELECTRODE AND BATTERY USING SAME
WO 2024166792 A1	MITSUI MINING & SMELTING CO LTD	NEGATIVE ELECTRODE MIXTURE, SLURRY, NEGATIVE ELECTRODE, AND BATTERY
WO 2024172308 A1	VALEO KAPEC CO LTD	BATTERY SYSTEM ASSEMBLY
WO 2024171550 A1	AISAN IND	HEAT MANAGEMENT SYSTEM
WO 2024181284 A1	SANOH IND CO LTD	METHOD OF MANUFACTURING ALL-SOLID-STATE BATTERY
WO 2024140982 A1	BYD CO LTD	LITHIUM BATTERY AND PREPARATION METHOD AND CONTROL METHOD THEREFOR, BATTERY SYSTEM, AND ELECTRIC VEHICLE
WO 2024143010 A1	PANASONIC IP MAN CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND POSITIVE ELECTRODE USING SAME
WO 2024144312 A1	HANWHA SOLUTIONS CORP	YOLK-SHELL-STRUCTURED SILICON-CARBON COMPOSITE, PREPARATION METHOD THEREFOR, AND ANODE ACTIVE MATERIAL COMPRISING SAME
WO 2024155946 A1	REDWOOD MAT INC	METHODS OF PURIFYING AND PRECIPITATING MATERIALS FROM BATTERIES FOR RECYCLING AND MANUFACTURING PROCESSES
WO 2024158211 A1	LG ENERGY SOLUTION LTD	BATTERY MODULE COMPRISING FLAME RETARDANT FRAME
WO 2024161939 A1	PANASONIC ENERGY CO LTD	SECONDARY BATTERY
WO 2024174170 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SEPARATOR, SECONDARY BATTERY, AND ELECTRIC DEVICE
WO 2024174510 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE ASSEMBLY, MANUFACTURING METHOD FOR ELECTRODE ASSEMBLY, BATTERY, AND ELECTRICAL APPARATUS
WO 2024139562 A1	ENPOWER PEKING INC	PARTIALLY-DILUTED HIGH-CONCENTRATION ELECTROLYTE, PREPARATION METHOD THEREFOR, AND LITHIUM METAL BATTERY
WO 2024141001 A1	BYD CO LTD	NEGATIVE ELECTRODE SHEET AND PREPARATION METHOD THEREFOR, LITHIUM ION BATTERY, AND ELECTRIC VEHICLE

WO 2024145832 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY, ELECTRICAL DEVICE, AND SEPARATOR MANUFACTURING METHOD
WO 2024164118 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE SHEET, SECONDARY BATTERY, AND ELECTRICAL APPARATUS
WO 2024167781 A1	SAMSAR RESOURCES LLC	BATTERY PACK INCLUDING BATTERY MODULES AND METHODS OF MAKING THE BATTERY PACK AND REPURPOSING THE BATTERY MODULES
WO 2024143976 A1	LG ENERGY SOLUTION LTD	ELECTRODE COMPOSITION FOR LITHIUM SECONDARY BATTERY, ELECTRODE SLURRY, ELECTRODE, AND LITHIUM SECONDARY BATTERY
WO 2024145741 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE, BATTERY, AND ELECTRICAL DEVICE
WO 2024145753 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	DISPERSANT, PREPARATION METHOD THEREFOR, PASTE COMPOSITION, BATTERY AND ELECTRICAL APPARATUS
WO 2024148487 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	DIAPHRAGM, SLURRY FOR COATING LAYER, PREPARATION METHOD FOR EACH, ELECTRODE ASSEMBLY, BATTERY, AND ELECTRICAL DEVICE
WO 2024155952 A1	DIMAAG AI INC	BATTERY MODULES COMPRISING IMMERSION-COOLED PRISMATIC BATTERY CELLS AND METHODS OF FABRICATING THEREOF
WO 2024160500 A1	VALEO SYSTEMES THERMIQUES	THERMAL REGULATION DEVICE FOR COMPONENTS
WO 2024181064 A1	TDK CORP	BINDER FOR LITHIUM-ION SECONDARY BATTERIES, NEGATIVE ELECTRODE FOR LITHIUM-ION SECONDARY BATTERIES, AND LITHIUM-ION SECONDARY BATTERY
WO 2024144231 A1	SAMSUNG SDI CO LTD	DRY ELECTRODE FILM, AND DRY ELECTRODE AND LITHIUM BATTERY COMPRISING SAME
WO 2024152757 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE CURRENT COLLECTOR AND PREPARATION METHOD THEREFOR, NEGATIVE ELECTRODE SHEET, SECONDARY BATTERY, AND ELECTRIC DEVICE
WO 2024157509 A1	PANASONIC IP MAN CO LTD	VEHICLE USAGE SITUATION ESTIMATION SYSTEM, VEHICLE USAGE SITUATION ESTIMATION METHOD, AND VEHICLE USAGE SITUATION ESTIMATION PROGRAM
WO 2024158210 A1	LG ENERGY SOLUTION LTD	BATTERY MODULE COMPRISING FLAME RETARDANT PLATE
WO 2024162423 A1	SEKISUI CHEMICAL CO LTD	CURABLE COMPOSITION AND THERMALLY CONDUCTIVE MEMBER
WO 2024164212 A1	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED	BATTERY, COOLING DEVICE, ELECTRICAL APPARATUS, AND VEHICLE
WO 2024143015 A1	PANASONIC IP MAN CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND POSITIVE ELECTRODE USING SAME
WO 2024143017 A1	PANASONIC IP MAN CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND POSITIVE ELECTRODE USING SAME
WO 2024143388 A1	FUJIFILM CORP	SLURRY USED TO FORM ELECTRODE OF NONAQUEOUS ELECTROLYTE SECONDARY BATTERY, NONAQUEOUS ELECTROLYTE SECONDARY BATTERY, AND METHOD FOR PRODUCING NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
WO 2024143313 A1	TIGERS POLYMER	FIREPROOF LAMINATE AND METHOD FOR MANUFACTURING SAME
WO 2024147373 A1	LG ELECTRONICS INC	ALL-SOLID-STATE BATTERY
WO 2024148594 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POLYMER, ELECTRODE SHEET, AND BATTERY CELL, BATTERY, AND ELECTRIC DEVICE RELATED THERETO
WO 2024157725 A1	MAXELL LTD	ELECTRODE FOR ALL-SOLID-STATE SECONDARY BATTERIES, AND ALL-SOLID-STATE SECONDARY BATTERY
WO 2024162041 A1	PANASONIC IP MAN CO LTD	BATTERY CUT-OFF UNIT
WO 2024164720 A1	NIO BATTERY TECH ANHUI CO LTD	THERMAL MANAGEMENT PART AND BATTERY
WO 2024166797 A1	MURATA MANUFACTURING CO	SECONDARY BATTERY AND BATTERY PACK
WO 2024166953 A1	UBE CORP	NIObIUM-CONTAINING OXIDE POWDER, ELECTRODE USING SAME, AND POWER STORAGE DEVICE

WO 2024173731 A1	SUPERNAL LLC	SYSTEMS AND METHODS ASSOCIATED WITH DYNAMIC THERMAL AND PRESSURE CONTROL OF A BATTERY
WO 2024138559 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE COMPOSITION, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL DEVICE
WO 2024141882 A1	SEMICONDUCTOR ENERGY LAB	SECONDARY BATTERY AND METHOD FOR PRODUCING SAME
WO 2024143009 A1	PANASONIC IP MAN CO LTD	NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND POSITIVE ELECTRODE USED IN SAME
WO 2024144288 A2	LG ENERGY SOLUTION LTD	ELECTRODE ASSEMBLY AND BATTERY COMPRISING ELECTRODE ASSEMBLY, AND BATTERY PACK AND VEHICLE COMPRISING BATTERY
WO 2024145893 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SEPARATOR AND PREPARATION METHOD THEREFOR, BATTERY, AND ELECTRICAL APPARATUS
WO 2024148592 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POLE PIECE, AND BATTERY CELL, BATTERY AND ELECTRICAL DEVICE RELATED THERETO
WO 2024159420 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY, ELECTRICAL DEVICE AND METHOD FOR REPLACING BATTERY
WO 2024161306 A1	BOMBARDIER RECREATIONAL PRODUCTS INC	BATTERY PACK HAVING A HEAT EXCHANGER AND ELECTRIC VEHICLE HAVING SAME
WO 2024162134 A1	PANASONIC IP MAN CO LTD	POWER STORAGE DEVICE
WO 2024161933 A1	PANASONIC IP MAN CO LTD	BATTERY ANALYSIS SYSTEM, BATTERY ANALYSIS METHOD, BATTERY ANALYSIS PROGRAM, AND RECORDING MEDIUM CONTAINING BATTERY ANALYSIS PROGRAM
WO 2024162747 A1	LG ENERGY SOLUTION LTD	POUCH FILM LAMINATE AND SECONDARY BATTERY
WO 2024172493 A1	LG ENERGY SOLUTION LTD	SULFIDE-BASED SOLID ELECTROLYTE, METHOD FOR PREPARING SULFIDE-BASED SOLID ELECTROLYTE, AND ALL-SOLID-STATE BATTERY COMPRISING SULFIDE-BASED SOLID ELECTROLYTE
WO 2024143758 A1	SK ON CO LTD	LITHIUM METAL ANODE, METHOD FOR MANUFACTURING SAME, AND LITHIUM METAL BATTERY INCLUDING SAME
WO 2024144219 A1	LG ENERGY SOLUTION LTD	APPARATUS AND METHOD FOR MANAGING BATTERY
WO 2024151899 A1	RJ1 HOLDINGS INC	ENHANCED SINGLE-CELL ENERGY MANAGEMENT SYSTEM
WO 2024152215 A1	XIAMEN AMPACK TECH LIMITED	BATTERY PACK AND ELECTRIC DEVICE
WO 2024143760 A1	SK ON CO LTD	COMPOSITION FOR PROTECTIVE LAYER FOR LITHIUM METAL ANODE, LITHIUM METAL ANODE, AND LITHIUM METAL BATTERY
WO 2024160501 A1	VALEO SYSTEMES THERMIQUES	STRUCTURE WITH CIRCULATION OF HEAT-TRANSFER FLUID
WO 2024143992 A1	RES INST IND SCIENCE & TECH	POSITIVE ELECTRODE ACTIVE MATERIAL PRECURSOR FOR RECHARGEABLE LITHIUM BATTERY, MANUFACTURING METHOD OF POSITIVE ELECTRODE ACTIVE MATERIAL USING SAME, AND RECHARGEABLE LITHIUM BATTERY INCLUDING POSITIVE ELECTRODE ACTIVE MATERIAL MANUFACTURED USING SAME
WO 2024144005 A1	LG ENERGY SOLUTION LTD	NEGATIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY COMPRISING NEGATIVE ELECTRODE
WO 2024147645 A1	LG ENERGY SOLUTION LTD	POSITIVE ELECTRODE ACTIVE MATERIAL, POSITIVE ELECTRODE ACTIVE MATERIAL SLURRY, POSITIVE ELECTRODE, LITHIUM ION SECONDARY BATTERY, AND METHOD FOR PREPARING POSITIVE ELECTRODE ACTIVE MATERIAL
WO 2024177450 A1	NAT UNIV GYEONGSANG IACF	HYDROXYL GROUP OR CARBOXYLIC ACID-BASED POLYMERIC BINDER FOR SULFUR BATTERY, AND SULFUR BATTERY COMPRISING SAME
WO 2024152193 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL AND PREPARATION METHOD THEREFOR, AND POSITIVE ELECTRODE SHEET, SECONDARY BATTERY AND ELECTRIC DEVICE COMPRISING POSITIVE ELECTRODE ACTIVE MATERIAL

WO 2024155129 A1	LG CHEMICAL LTD	CATHODE ACTIVE MATERIAL, AND CATHODE AND LITHIUM SECONDARY BATTERY COMPRISING SAME
WO 2024160505 A1	VALEO SYSTEMES THERMIQUES	THERMAL CONTROL DEVICE INCLUDING STRUCTURES WITH CIRCULATION OF HEAT-TRANSFER FLUID
WO 2024138749 A1	NINGDE AMPEREX TECHNOLOGY LTD	ELECTRODE, SECONDARY BATTERY, AND ELECTRIC DEVICE
WO 2024152125 A1	CHEN ZHONGWEI	RECYCLE PROCESS FOR LITHIUM-ION BATTERY CATHODE MATERIALS
WO 2024152154 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRIC DEVICE
WO 2024152735 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SOLID-STATE ELECTROLYTE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL DEVICE
WO 2024154786 A1	DAIKIN IND LTD	MIXTURE FOR ELECTROCHEMICAL DEVICE, MIXTURE SHEET FOR ELECTROCHEMICAL DEVICE, ELECTRODE, AND ELECTROCHEMICAL DEVICE
WO 2024143939 A1	LG ENERGY SOLUTION LTD	ELECTROLYTE FOR LITHIUM-SULFUR BATTERY AND LITHIUM-SULFUR BATTERY INCLUDING SAME
WO 2024144187 A1	LG ENERGY SOLUTION LTD	ANODE FOR LITHIUM SECONDARY BATTERY, METHOD FOR MANUFACTURING ANODE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY COMPRISING ANODE
WO 2024147471 A1	SK ON CO LTD	LITHIUM SECONDARY BATTERY
WO 2024152720 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE FOR SECONDARY BATTERY, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL DEVICE
WO 2024154740 A1	ABRI CO LTD	LITHIUM SULFUR BATTERY ELECTROLYTE SOLUTION AND LITHIUM SULFUR BATTERY
WO 2024144168 A1	LG ENERGY SOLUTION LTD	CATHODE MATERIAL FOR LITHIUM-SULFUR BATTERY, AND LITHIUM-SULFUR BATTERY COMPRISING SAME
WO 2024147715 A1	BATTERY SOLUTION INC	POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME
WO 2024152301 A1	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED	HEAT EXCHANGE MEMBER, HEAT EXCHANGE ASSEMBLY, BATTERY, VEHICLE, AND ELECTRIC DEVICE
WO 2024158214 A1	LG ENERGY SOLUTION LTD	HIGH-ION-CONDUCTIVITY SOLID ELECTROLYTE MEMBRANE, MANUFACTURING METHOD THEREFOR AND ALL-SOLID-STATE BATTERY COMPRISING SAME
WO 2024164696 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CURRENT COLLECTOR, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRIC DEVICE
WO 2024147652 A1	SAMSUNG SDI CO LTD	SOLID ELECTROLYTE, SOLID ELECTROLYTE MEMBRANE, POSITIVE ELECTRODE, AND ALL-SOLID-STATE SECONDARY BATTERY
WO 2024150934 A1	LG ENERGY SOLUTION LTD	BUS BAR ASSEMBLY AND BATTERY PACK COMPRISING SAME
WO 2024152146 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NON-AQUEOUS ELECTROLYTE, SODIUM-ION BATTERY CONTAINING SAME, AND ELECTRICAL APPARATUS
WO 2024177383 A1	LG ENERGY SOLUTION LTD	SERVER AND METHOD OF OPERATING SERVER
WO 2024181832 A1	LG ENERGY SOLUTION LTD	LITHIUM SECONDARY BATTERY HAVING IMPROVED SAFETY AGAINST INTERNAL SHORT CIRCUIT AND LITHIUM SECONDARY BATTERY SYSTEM THEREFOR
WO 2024143916 A1	SK ON CO LTD	ELECTROLYTE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING SAME
WO 2024145778 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	THERMAL MANAGEMENT COMPONENT, BATTERY AND ELECTRIC DEVICE
WO 2024147544 A1	LG CHEMICAL LTD	POSITIVE ELECTRODE ACTIVE MATERIAL, POSITIVE ELECTRODE COMPRISING SAME, AND LITHIUM SECONDARY BATTERY
WO 2024150933 A1	LG ENERGY SOLUTION LTD	BUS BAR ASSEMBLY AND BATTERY PACK COMPRISING SAME
WO 2024160115 A1	BYD CO LTD	SILICON-CARBON NEGATIVE ELECTRODE MATERIAL AND PREPARATION METHOD THEREFOR, NEGATIVE ELECTRODE SHEET, AND ELECTROCHEMICAL DEVICE

WO 2024167263 A1	LG ENERGY SOLUTION LTD	BATTERY PACK AND VEHICLE INCLUDING SAME
WO 2024167354 A1	LG ENERGY SOLUTION LTD	BATTERY PACKAGE
WO 2024138765 A1	NINGDE AMPEREX TECHNOLOGY LTD	ELECTROCHEMICAL APPARATUS AND ELECTRONIC APPARATUS COMPRISING SAME
WO 2024152637 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL AND PREPARATION METHOD THEREFOR, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRIC DEVICE
WO 2024152721 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SOLID-STATE ELECTROLYTE, PREPARATION METHOD THEREFOR, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRICAL APPARATUS
WO 2024159760 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE SHEET, ELECTRODE ASSEMBLY, BATTERY, AND ELECTRICAL DEVICE
WO 2024167214 A1	LG ENERGY SOLUTION LTD	BATTERY MANAGEMENT DEVICE AND METHOD, AND BATTERY PACK COMPRISING SAME
WO 2024143979 A1	RES INST IND SCIENCE & TECH	ANODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, PREPARATION METHOD THEREFOR, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
WO 2024144225 A1	LG ENERGY SOLUTION LTD	ELECTROLYTE FOR LITHIUM SULFUR BATTERIES AND LITHIUM SULFUR BATTERIES COMPRISING SAME
WO 2024147832 A1	REDWOOD MAT INC	BATTERY COLLECTION SYSTEMS AND METHODS OF USING THE SAME
WO 2024147960 A1	BAE SYS CONTROLS INC	SENSORS FOR BATTERY PROTECTION
WO 2024152717 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CURRENT COLLECTOR AND PREPARATION METHOD THEREFOR, SECONDARY BATTERY, BATTERY MODULE, AND ELECTRICAL DEVICE
WO 2024154865 A1	UNIV KOREA RES & BUS FOUND	HEAT MANAGEMENT STRUCTURE FOR BATTERY CELL
WO 2024143975 A1	RES INST IND SCIENCE & TECH	METHOD FOR PREPARING POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, POSITIVE ELECTRODE PREPARED BY USING SAME, AND LITHIUM SECONDARY BATTERY COMPRISING POSITIVE ELECTRODE
WO 2024144140 A1	LG ENERGY SOLUTION LTD	CATHODE ACTIVE MATERIAL, AND CATHODE AND LITHIUM SECONDARY BATTERY COMPRISING SAME
WO 2024146478 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE MATERIAL, PREPARATION METHOD THEREFOR, CATHODE ELECTRODE SHEET, ELECTRODE ASSEMBLY, BATTERY, AND ELECTRICAL DEVICE
WO 2024147563 A1	LG ENERGY SOLUTION LTD	BATTERY SYSTEM CONTROL APPARATUS AND OPERATING METHOD THEREOF
WO 2024154422 A1	HITACHI HIGH TECH CORP	BATTERY DETERIORATION DETERMINATION METHOD AND BATTERY DETERIORATION DETERMINATION DEVICE
WO 2024167005 A1	ELIY POWER CO LTD	SEPARATOR FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO 2024138751 A1	NINGDE AMPEREX TECHNOLOGY LTD	ELECTRODE, SECONDARY BATTERY, AND ELECTRONIC DEVICE
WO 2024144016 A1	MONA INC	APPARATUS AND METHOD FOR DIAGNOSING BATTERY FAILURE
WO 2024167006 A1	ELIY POWER CO LTD	SEPARATOR FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
WO 2024152241 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CURRENT COLLECTOR, SECONDARY BATTERY, ELECTRIC DEVICE, AND PREPARATION METHOD FOR CURRENT COLLECTOR
WO 2024154520 A1	GS YUASA INT LTD	ESTIMATION METHOD, ESTIMATION PROGRAM, ESTIMATION DEVICE, AND POWER STORAGE DEVICE
WO 2024144025 A1	POSCO FUTURE M CO LTD	NEGATIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, METHOD OF MANUFACTURING SAME, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
WO 2024144007 A1	LG ENERGY SOLUTION LTD	NEGATIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, METHOD FOR MANUFACTURING NEGATIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY COMPRISING NEGATIVE ELECTRODE
WO 2024144139 A1	LG ENERGY SOLUTION LTD	CATHODE ACTIVE MATERIAL, CATHODE COMPRISING SAME, AND LITHIUM SECONDARY BATTERY

WO 2024144083 A1	LG ENERGY SOLUTION LTD	METHOD FOR MANUFACTURING ALUMINUM THIN FILM, ALUMINUM THIN FILM, AND POSITIVE ELECTRODE AND SECONDARY BATTERY COMPRISING SAME
WO 2024145748 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CONNECTOR, APPARATUS, BATTERY, AND ELECTRICAL DEVICE
WO 2024154458 A1	GS YUASA INT LTD	POWER STORAGE DEVICE, MANAGEMENT DEVICE, TEMPERATURE ESTIMATION METHOD FOR POWER STORAGE ELEMENT, AND COMPUTER PROGRAM
WO 2024152295 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRICAL DEVICE
WO 2024152960 A1	ZHUHAI COSMX BATTERY CO LTD	ELECTROLYTE SOLUTION AND BATTERY
WO 2024167134 A1	LG ENERGY SOLUTION LTD	BATTERY MODULE, BATTERY PACK INCLUDING SAME, AND VEHICLE INCLUDING SAME
WO 2024162810 A1	LG CHEMICAL LTD	TRANSITION METAL HYDROXIDE, METHOD FOR PREPARING SAME, AND METHOD FOR PREPARING POSITIVE ELECTRODE ACTIVE MATERIAL BY USING SAME
WO 2024146063 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BINDER AND PREPARATION METHOD THEREFOR, SEPARATOR, ELECTRODE SHEET, ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY, AND ELECTRICAL APPARATUS
WO 2024159930 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CARBON NEGATIVE ELECTRODE ACTIVE MATERIAL AND PREPARATION METHOD THEREFOR, SECONDARY BATTERY, AND ELECTRIC DEVICE
WO 2024162623 A1	LG ENERGY SOLUTION LTD	BUSBAR ASSEMBLY AND BATTERY PACK INCLUDING SAME
WO 2024162749 A1	LG ENERGY SOLUTION LTD	POSITIVE ELECTRODE, METHOD FOR MANUFACTURING SAME, AND LITHIUM SECONDARY BATTERY COMPRISING POSITIVE ELECTRODE
WO 2024143764 A1	LG ENERGY SOLUTION LTD	BATTERY PACK AND VEHICLE COMPRISING SAME
WO 2024145759 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	APPARATUS AND METHOD FOR ASSEMBLING BATTERY CELLS
WO 2024147760 A1	SUN MOBILITY PTE LTD	A COMPOSITE THERMAL BARRIER FOR BATTERY PACKS AND A BATTERY PACK ASSEMBLY HAVING THE SAME
WO 2024160211 A1	BYD CO LTD	SODIUM BATTERY AND ELECTRIC DEVICE
WO 2024162745 A1	LG CHEMICAL LTD	SOLID ELECTROLYTE, METHOD FOR PREPARING SAME, AND ALL-SOLID-STATE BATTERY COMPRISING SAME
WO 2024162742 A1	LG CHEMICAL LTD	POSITIVE ELECTRODE ACTIVE MATERIAL, PREPARATION METHOD THEREFOR, POSITIVE ELECTRODE COMPRISING SAME, AND LITHIUM SECONDARY BATTERY
WO 2024155060 A1	DONGWOO FINE CHEM CO LTD	GAP FILLER COMPOSITION AND BATTERY PACK
WO 2024147158 A1	TVS MOTOR CO LTD	A BATTERY PACK AND A METHOD FOR PREVENTING THERMAL RUNAWAY OF BATTERY CELLS
WO 2024174066 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SEPARATOR, SECONDARY BATTERY, AND POWERED DEVICE
WO 2024155009 A1	LG ENERGY SOLUTION LTD	POSITIVE ELECTRODE SLURRY FOR LITHIUM SECONDARY BATTERY AND METHOD FOR MANUFACTURING POSITIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY USING SAME
WO 2024151008 A1	LG ENERGY SOLUTION LTD	TEST JIG
WO 2024151121 A1	LG ENERGY SOLUTION LTD	CELL STACKING METHOD
WO 2024154874 A1	SAMSUNG ELECTRO MECH	ALL-SOLID-STATE BATTERY
WO 2024162637 A1	SAMSUNG SDI CO LTD	POSITIVE ELECTRODE FOR ALL-SOLID RECHARGEABLE BATTERIES AND ALL-SOLID RECHARGEABLE BATTERIES
WO 2024150971 A1	SK ON CO LTD	NEGATIVE ELECTRODE, KIT FOR PREPARING NEGATIVE ELECTRODE MIXTURE LAYER, AND NEGATIVE ELECTRODE MANUFACTURING METHOD
WO 2024162626 A1	LG ENERGY SOLUTION LTD	BUSBAR ASSEMBLY AND BATTERY PACK INCLUDING SAME
WO 2024150888 A1	NAT UNIV CHANGWON IND ACADEMY COOP CORPS	FLAME GATE NOZZLE FOR PREVENTING PROPAGATION OF THERMAL RUNAWAY IN LITHIUM ION BATTERY

WO 2024150953 A1	NAT UNIV CHANGWON IND ACADEMY COOP CORPS	METHOD FOR EXTRACTING LITHIUM FROM CATHODE MATERIAL IN WASTE LITHIUM IONS USING NEUTRAL AQUEOUS SOLUTION AND METHOD FOR SELECTIVELY EXTRACTING LITHIUM FROM CATHODE MATERIAL IN WASTE LITHIUM IONS USING CARBONATED WATER
WO 2024162624 A1	LG ENERGY SOLUTION LTD	BUSBAR ASSEMBLY AND BATTERY PACK INCLUDING SAME
WO 2024162642 A1	SAMSUNG SDI CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL FOR ALL-SOLID-STATE SECONDARY BATTERY, PREPARATION METHOD THEREOF, AND ALL-SOLID-STATE SECONDARY BATTERY
WO 2024161424 A1	VAZIRANI AUTOMOTIVE PVT LTD	THERMAL MANAGEMENT SYSTEM FOR EFFICIENT HEAT DISSIPATION
WO 2024139204 A1	BYD CO LTD	BATTERY SELF-HEATING SYSTEM, CONTROL METHOD THEREFOR, AND ELECTRIC VEHICLE
WO 2024155049 A1	YOUIL ENERGY TECH CO LTD	ELECTRODE PRODUCTION SYSTEM FOR SECONDARY BATTERY
WO 2024144076 A1	LG ENERGY SOLUTION LTD	BINDER FOR ALL-SOLID-STATE BATTERY, CATHODE FOR ALL-SOLID-STATE BATTERY, AND ALL-SOLID-STATE BATTERY COMPRISING SAME
WO 2024143745 A1	LG ENERGY SOLUTION LTD	IMMERSION-COOLED BATTERY MODULE, AND BATTERY PACK AND VEHICLE COMPRISING SAME
WO 2024155996 A2	GEORGIA TECH RES INST	DEFECTS INTRODUCED MIXED-PHASE NIOBIUM OXIDE AS ULTRA-FAST CHARGING ANODE MATERIALS FOR LITHIUM-ION BATTERIES

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SUPERCONDENSADORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024192215 A1	POLYJOULE INC	MONOLITHIC HIGH LOADING ELECTRODES
WO 2024190662 A1	HONDA MOTOR CO LTD	HOLDING DEVICE
WO 2024159143 A2	ENEVATE CORP	STABLE ELECTROLYTE COMPOSITIONS FOR ELECTROCHEMICAL STORAGE SYSTEMS
WO 2024157601 A1	TOYOTA JIDOSHOKKI KK	ELECTRIC POWER STORAGE MODULE
WO 2024162083 A1	TOYOTA JIDOSHOKKI KK	POWER STORAGE DEVICE AND METHOD FOR MANUFACTURING POWER STORAGE DEVICE
WO 2024155895 A1	UNIV TEXAS TECH SYSTEM	FABRICATION OF SUPERCAPACITORS WITH INKJET PRINTED MANUFACTURING
WO 2024154808 A1	DAIKIN IND LTD	TETRAFLUOROETHYLENE-BASED POLYMER, BINDER FOR ELECTROCHEMICAL DEVICES, ELECTRODE MIX, ELECTRODE, AND SECONDARY BATTERY

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SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024187349 A1	HUAWEI TECH CO LTD	BRAKING CONTROL OF A VEHICLE
WO 2024178993 A1	BYD CO LTD	REGENERATIVE BRAKING ANTI-LOCK CONTROL METHOD, DEVICE AND SYSTEM FOR VEHICLE, AND VEHICLE
WO 2024157771 A1	HITACHI ASTEMO LTD	VEHICLE CONTROL DEVICE, VEHICLE CONTROL METHOD, AND VEHICLE CONTROL SYSTEM
WO 2024186454 A1	GLOBAL EV TECH INC	APPARATUS AND METHOD FOR ENHANCING BATTERY LIFE
WO 2024163121 A1	CATERPILLAR GLOBAL MINING EQUIPMENT LLC	PROVIDING BRAKING CAPACITY INFORMATION ASSOCIATED WITH ONE OR MORE BRAKING SYSTEMS OF A MACHINE
WO 2024147187 A1	MITSUBISHI ELECTRIC CORP	PROPULSION CONTROL DEVICE
WO 2024161414 A1	TVS MOTOR CO LTD	A System for Controlling a Traction Motor and a Method thereof
WO 2024170301 A1	KNORR BREMSE SYSTEME FUER NUTZFAHRZEUGE GMBH	SUPPLEMENTING AN ELECTRIC BRAKE RESISTANCE, AND ALTERNATIVE TO AN ELECTRIC BRAKE RESISTANCE

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MÁQUINAS ELÉCTRICAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024187471 A1	SHENZHEN TATFOOK NETWORK TECH CO LTD	ELECTRIC MOTOR
WO 2024188633 A1	VEEKIM AG	ROTOR MADE OF MAGNETIC COMPOSITE MATERIALS, AND PERMANENTLY EXCITED ELECTRIC MOTOR
WO 2024190617 A1	NIPPON STEEL CORP	LAMINATED CORE, ROTARY ELECTRIC MACHINE, AND MANUFACTURING METHOD FOR LAMINATED CORE
WO 2024195827 A1	AICHI STEEL CORP	ROTOR FOR RELUCTANCE MOTOR AND RELUCTANCE MOTOR
WO 2024179925 A1	VITESCO TECH GMBH	ROTOR HAVING MAGNETIC MATERIAL IN THE COLLAR OF A POLE TOOTH, EXTERNALLY EXCITED AXIAL FLUX MACHINE, AND METHOD FOR PRODUCING A ROTOR
WO 2024175851 A1	AMPERE SAS	GUIDING METHOD FOR WINDING AN ELECTRIC MACHINE ROTOR
WO 2024180087 A1	DEEPDRIVE GMBH	SENSOR ARRANGEMENT AND DUAL-ROTOR MOTOR MODULE
WO 2024195320 A1	MINEBEA MITSUMI INC	STATOR ASSEMBLY
WO 2024194959 A1	HONDA MOTOR CO LTD	MOTOR
WO 2024156967 A1	HUTCHINSON	ELECTRIC MACHINE
WO 2024189277 A1	NIDEC PSA EMOTORS	AXIAL FLUX ROTARY ELECTRIC MACHINE
WO 2024195203 A1	HITACHI LTD	SUPERCONDUCTING ROTARY MACHINE AND METHOD FOR COOLING SAME
WO 2024176766 A1	DENSO CORP	WINDING FIELD ROTOR
WO 2024177002 A1	MEIDENSHA ELECTRIC MFG CO LTD	HOUSING STRUCTURE FOR ROTARY ELECTRICAL MACHINE
WO 2024149940 A1	NIDEC PSA EMOTORS	ROTOR FOR A ROTARY ELECTRIC MACHINE
WO 2024165518 A1	TOTALENERGIES ONETECH	USE OF A DIESTER IN A LUBRICANT COMPOSITION FOR VEHICLE TRANSMISSIONS
WO 2024184909 A1	TVS MOTOR CO LTD	A METHOD FOR REDUCING TORQUE RIPPLES IN A TRACTION MOTOR AND A SYSTEM THEREOF
WO 2024176765 A1	DENSO CORP	FIELD-WINDING TYPE ROTATING ELECTRICAL MACHINE
WO 2024185063 A1	TOSHIBA KK	STATOR AND ROTARY ELECTRICAL MACHINE
WO 2024190352 A1	SANDEN CORP	ELECTRIC COMPRESSOR
WO 2024153891 A1	ELECTRICFIL AUTOMOTIVE	CURRENT DETECTION ASSEMBLY AND ENGINE BLOCK COMPRISING SUCH A DETECTION ASSEMBLY
WO 2024160525 A1	SEW EURODRIVE GMBH & CO KG	ELECTRIC MOTOR
WO 2024142455 A1	NIDEC CORP	DRIVE DEVICE
WO 2024156719 A1	ZAHNRADFABRIK FRIEDRICHSHAFEN	STATOR HAVING A HAIRPIN WINDING SYSTEM AND STAR CONDUCTOR
WO 2024182691 A2	INDIGO TECH INC	STATOR FOR AN ELECTRIC MOTOR AND METHODS FOR ASSEMBLING SAME
WO 2024157223 A1	VERKOR	ELECTRIC MODULE FOR AN ELECTRIC BATTERY
WO 2024160314 A1	SCHAEFFLER TECHNOLOGIES AG	ELECTRIC MACHINE, METHOD FOR PRODUCING A MECHANICAL MAGNETIC-FIELD-ATTENUATING MECHANISM, MECHANICAL MAGNETIC-FIELD-ATTENUATING MECHANISM, AND KIT OF PARTS
WO 2024160315 A1	SCHAEFFLER TECHNOLOGIES AG	ROTOR AND ELECTRIC MACHINE
WO 2024159263 A1	HASAKI RESEARCH & TECH CENTRE PTY LTD	ELECTROMECHANICAL DEVICE
WO 2024160312 A1	SCHAEFFLER TECHNOLOGIES AG	ROTOR AND ELECTRIC MACHINE

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CONVERTIDORES, INVERSORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024195517 A1	DENSO CORP	DRIVE UNIT AND METHOD FOR MANUFACTURING DRIVE UNIT
WO 2024190371 A1	TOYOTA JIDOSHA KK	DRIVING APPARATUS FOR AN ELECTRIC VEHICLE HAVING A MOTOR WITH A THREE-PHASE COIL, A POWER STORAGE DEVICE AND AN INVERTER, WHICH IS CONFIGURED TO BE OPERATED IN A THREE-PHASE MODE AND A TWO-PHASE MODE
WO 2024196878 A1	CORNELL UNIV	WIRELESS POWER TRANSFER SYSTEM UTILIZING FREQUENCY MULTIPLIER INVERTER
WO 2024188697 A1	AMPERE S A S	SYSTEM FOR SUPPLYING POWER TO CONSUMERS OF AN ELECTRIC OR HYBRID VEHICLE AND METHOD FOR MANAGING THE POWER SUPPLY OF A VEHICLE
WO 2024176036 A1	EATON INTELLIGENT POWER LTD	METHOD FOR SYNCHRONOUS RECTIFICATION OF A DC-TO-DC CONVERTER
WO 2024187178 A1	FREEWIRE TECH INC	OPTIMIZING POWER DENSITY IN BATTERY PACKS
WO 2024175404 A1	BOSCH GMBH ROBERT	METHOD FOR OPERATING AN ELECTRIC CHARGER, CHARGER, AND MOTOR VEHICLE
WO 2024189913 A1	SUBARU CORP	ELECTRIC VEHICLE INVERTER
WO 2024194709 A1	DELPHI TECH IP LIMITED	SYSTEMS AND METHODS FOR COOLING MODULE WITH PROGRESSIVE COOLING FINS
WO 2024194468 A1	SONO MOTORS GMBH	ELECTRIC VEHICLE WITH PHOTOVOLTAIC CELLS AND WITH A CIRCUIT ARRANGEMENT FOR DISTRIBUTING ENERGY
WO 2024184116 A1	ZAHNRADFABRIK FRIEDRICHSHAFEN	OPTIMIZED PULSE PATTERN TAKING INTO ACCOUNT INDUCED MACHINE VOLTAGES
WO 2024175405 A1	BOSCH GMBH ROBERT	DC/DC RESONANT CONVERTER WITH FREQUENCY-BASED CURRENT CONTROL AND SUPPRESSION OF OUTPUT VOLTAGE FLUCTUATIONS DUE TO PERIODIC INPUT VOLTAGE FLUCTUATIONS
WO 2024180187 A1	BRUSA ELEKTRONIK AG	MULTIPHASE CONVERTER AND METHOD FOR COMPENSATING FOR PHASE LOADS
WO 2024195413 A1	DENSO CORP	CONTROL DEVICE FOR ROTARY ELECTRIC MACHINE AND PROGRAM
WO 2024153844 A1	EPL ENG S L	POWER CONVERTER
WO 2024183855 A1	SCHAEFFLER TECHNOLOGIES AG	SWITCHABLE Y-FILTER CAPACITOR IN A BATTERY-POWERED DRIVE INVERTER
WO 2024142739 A1	DENSO CORP	THREE-LEVEL INVERTER AND PROGRAM
WO 2024149625 A1	EATON INTELLIGENT POWER LTD	CAPACITOR CHARGING METHOD OF A HIGH VOLTAGE NETWORK FROM A LOW VOLTAGE POWER SOURCE
WO 2024142740 A1	DENSO CORP	PARALLEL POWER SUPPLY DEVICE AND PROGRAM
WO 2024153843 A1	EPL ENG S L	POWER CONVERTER
WO 2024156386 A1	BOSCH GMBH ROBERT	CONTROL DEVICE FOR ACTIVATING AND DEACTIVATING A Y-CAPACITOR, INVERTER AND ELECTRIC DRIVE SYSTEM
WO 2024190351 A1	SANDEN CORP	ELECTRIC COMPRESSOR
WO 2024156045 A1	CASTERTECH FUNDICAO E TECNOLOGIA LTDA	SYSTEM AND PROCESS FOR CHARGING AND DISCHARGING AN ELECTRICAL POWER STORAGE DEVICE, CONNECTOR, AND VEHICLE
WO 2024160383 A1	HITACHI ENERGY LTD	SOLID-STATE TRANSFORMER CONTROL FOR RIPPLE REDUCTION
WO 2024149472 A1	HITACHI ENERGY LTD	METHOD FOR CONTROLLING POWER CONVERTER
WO 2024160465 A1	EATON INTELLIGENT POWER LTD	DC-TO-DC CONVERTER FOR A HIGH VOLTAGE SYSTEM THAT OPERATES WITHIN A WIDE VOLTAGE RANGE
WO 2024162530 A1	INDUSTRIAL COOPERATION FOUNDATION JEONBUK NATIONAL UNIV	FAST CHARGING POWER DEVICE FOR ELECTRIC CAR AND CONTROL METHOD THEREOF
WO 2024177950 A1	TEXAS INSTRUMENTS INC	OSCILLATOR CIRCUIT WITH OPEN LOOP FREQUENCY MODULATION
WO 2024156038 A1	TRITIUM HOLDINGS PTY LTD	ELECTRIC VEHICLE CHARGING SYSTEM
WO 2024181033 A1	PANASONIC IP MAN CO LTD	POWER CONVERSION SYSTEM

WO 2024153311 A1	ABB E MOBILITY BV	LOW LOSS CONFIGURABLE DC/DC CONVERTER, EV DC CHARGER AND METHOD
WO 2024173188 A1	MAGNA POWERTRAIN AMERICA INC	DC FAST-CHARGING BIDIRECTIONAL CONVERTER UTILIZING AN EXISTING E-MOTOR AND INVERTER
WO 2024153309 A1	ABB E MOBILITY BV	EV DC/DC CONVERTER, EV DC CHARGER AND METHOD
WO 2024157738 A1	DENSO CORP	POWER SUPPLY SYSTEM
WO 2024142480 A1	KUBOTA KK	ELECTRIC WORK VEHICLE
WO 2024154559 A1	DENSO CORP	POWER SUPPLY DEVICE AND PROGRAM
WO 2024166516 A1	DENSO CORP	POWER CONVERSION DEVICE
WO 2024154216 A1	NISSAN MOTOR	ELECTRIC POWER CONVERSION DEVICE
WO 2024162003 A1	DENSO CORP	POWER COMMAND CONVERSION DEVICE, POWER COMMAND CONVERSION METHOD, AND POWER COMMAND CONVERSION PROGRAM
WO 2024162002 A1	DENSO CORP	POWER FACTOR CONTROL DEVICE, POWER FACTOR CONTROL METHOD, AND POWER FACTOR CONTROL PROGRAM
WO 2024147091 A1	B G NEGEV TECHNOLOGIES AND APPLICATIONS LTD AT BEN GURION UNIV	SYSTEM AND METHOD FOR WIRELESS POWER FACTOR CORRECTED AC POWER DELIVERY WITHOUT AN ACTIVE GRID-SIDE CONVERTER

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RECARGA DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024182372 A1	TESLA INC	PARAMETER ESTIMATION FOR WIRELESS CHARGING
WO 2024188466 A1	ABB E MOBILITY B V	ADAPTIVE CAPACITY TARIFF OPTIMIZATION
WO 2024170125 A1	VITESCO TECH GMBH	CHARGING DEVICE HAVING A DATA INTERFACE FOR OUTPUTTING CHARGING DATA ABOUT A VEHICLE BATTERY
WO 2024179762 A1	HITACHI LTD	PROVISION OF CHARGING PLANS FOR ELECTRIC VEHICLES
WO 2024188953 A1	CARICO GMBH	TESTING APPARATUS AND METHOD FOR TESTING A CHARGING DEVICE
WO 2024179645 A1	KIEKERT AG	CHARGING CONNECTOR FOR ELECTRIC AND HYBRID VEHICLES
WO 2024170617 A1	OCADO INNOVATION LTD	BATTERY EXCHANGE STATION AND METHODS OF EXCHANGING A RECHARGEABLE BATTERY AT A BATTERY EXCHANGE STATION
WO 2024170278 A1	SIEMENS AG	DEVICE FOR INDUCTIVELY CHARGING A BATTERY OF A MOTOR VEHICLE
WO 2024186138 A1	EVNESS INC	CHARGING SYSTEM FOR STORING SURPLUS POWER IN ENERGY STORAGE DEVICE VIA POWER USE ANALYSIS SO AS TO FACILITATE INSTALLATION AND USE THEREOF
WO 2024176193 A1	BRIGGS MAURICE	A PHOTOVOLTAIC APPARATUS FOR AND METHOD OF CHARGING AN ELECTRIC VEHICLE (EV) OR BATTERY THEREOF
WO 2024182280 A1	TESLA INC	LIVE OBJECT DETECTION
WO 2024153276 A1	KIEKERT AG	SYSTEM COMPOSED OF A CHARGING CONTACT AND A LATENT HEAT STORAGE ELEMENT FOR ELECTRIC AND HYBRID VEHICLES
WO 2024160415 A1	MAHLE INT GMBH	STATIONARY INDUCTIVE CHARGING DEVICE
WO 2024186042 A1	ERA E AMS CO LTD	CHARGING SYSTEM FOR ELECTRIC VEHICLE
WO 2024139927 A1	HUAWEI TECH CO LTD	POWER SUPPLY CONNECTION APPARATUS, POWER SUPPLY CONTROL METHOD AND RELATED APPARATUS
WO 2024186139 A1	EVNESS INC	RAPID CHARGING SYSTEM HAVING SIMPLY CONSTRUCTED POWER CONVERSION SYSTEM BY USING BATTERY
WO 2024153542 A1	VITESCO TECH GMBH	DEVICE FOR CHARGING A BATTERY OF AN ELECTRIC VEHICLE
WO 2024153539 A1	VITESCO TECH GMBH	DEVICE FOR CHARGING A BATTERY OF AN ELECTRIC VEHICLE
WO 2024169929 A1	BEIJING CHEHEJIA AUTOMOBILE TECH CO LTD	POWER BATTERY CHARGING METHOD AND APPARATUS, MEDIUM, AND VEHICLE
WO 2024144385 A1	NAVA ROCHA SALVADOR	SEMI-AUTONOMOUS ELECTRIC POWER GENERATION SYSTEM AND OPERATION METHOD THEREOF
WO 2024160469 A1	VOSS AUTOMOTIVE GMBH	COOLING SYSTEM FOR COOLING A VEHICLE-SIDE CHARGING LINE, VEHICLE THERMAL MANAGEMENT SYSTEM, AND BATTERY-POWERED VEHICLE COMPRISING AT LEAST ONE SUCH COOLING SYSTEM
WO 2024165296 A1	SIEMENS AG	COIL STRUCTURE FOR INDUCTIVE ENERGY TRANSFER
WO 2024153541 A1	VITESCO TECH GMBH	METHOD FOR MANAGING A CHARGE OF A BATTERY OF AN ELECTRIC VEHICLE BY ANOTHER ELECTRIC VEHICLE
WO 2024149972 A1	KERBO CHARGE LTD	A DUCT FOR RECEIVING ELECTRIC-VEHICLE CHARGING CABLES
WO 2024153395 A1	STELLANTIS AUTO SAS	METHOD AND DEVICE FOR DETERMINING A CHARGING TIME OF AN ELECTRIC BATTERY
WO 2024153799 A1	MAHLE INT GMBH	BATTERY HOUSING AND BATTERY SYSTEM
WO 2024141593 A1	ENGINEER GMBH	CHARGING STATION FOR E-SCOOTERS
WO 2024165263 A1	DRAEXLMAIER LISA GMBH	CHARGING PLUG CONNECTION DEVICE
WO 2024165435 A1	AMPERE S A S	BATTERY INVERSION-PROTECTED ELECTRIC POWER CONVERSION STAGE, AND ASSOCIATED CHARGING DEVICE, MOTOR VEHICLE AND CONTROL METHOD
WO 2024147896 A1	CATERPILLAR INC	CHARGING AN ELECTRIC WORK VEHICLE
WO 2024147892 A1	CATERPILLAR INC	CHARGING AN ELECTRIC WORK VEHICLE

WO 2024164205 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	VEHICLE, VEHICLE CHARGING SYSTEM AND METHOD, AND COMPUTER READABLE STORAGE MEDIUM
WO 2024169570 A1	BYD CO LTD	VEHICLE-MOUNTED CHARGING CONTROL METHOD AND APPARATUS, VEHICLE, SYSTEM, AND STORAGE MEDIUM
WO 2024151214 A1	SUN MOBILITY PTE LTD	A PORTABLE BATTERY CHARGING AND SWAPPING STATION
WO 2024155422 A1	POWER HERO CORP	A SYSTEM FOR A DEMAND-SENSITIVE NETWORKED FLEET OF MOBILE POWER DISPENSING STATIONS
WO 2024145517 A1	INDUCTEV INC	STRATEGIC OPPORTUNITY CHARGING FOR ON-ROUTE ELECTRIC VEHICLES
WO 2024163885 A1	UNIV COLUMBIA	MULTI-LAYER SOFTWARE-DEFINED SYSTEM AND METHOD FOR HIGH PERFORMANCE ENERGY CONVERSION
WO 2024151219 A1	SUN MOBILITY PTE LTD	SYSTEMS AND METHODS FOR CHARGING AND ENERGY MANAGEMENT OF BATTERY PACKS
WO 2024150862 A1	SK SIGNET INC	V2V CHARGING CONTROL DEVICE AND METHOD THEREFOR

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CAMBIO DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024140001 A1	AULTON NEW ENERGY AUTOMOBILE TECH CO LTD	BATTERY PACK LOCKING STATE DETECTION SYSTEM AND METHOD, ELECTRONIC DEVICE AND MEDIUM
WO 2024141536 A1	HONDA RES INST EUROPE GMBH	PREDICTION-BASED BATTERY SWAPPING CHARGING CONTROL WITH PRE-CHARGE BATTERY LEVELS
WO 2024143988 A1	LG ENERGY SOLUTION LTD	BSS MANAGEMENT DEVICE AND OPERATING METHOD THEREFOR
WO 2024145829 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY SWAPPABLE VEHICLE AND BATTERY
WO 2024152313 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY SWAPPING SYSTEM
WO 2024152192 A1	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY SWAP METHOD AND APPARATUS

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LANZAMIENTO



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



EJECUCIÓN



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



CONCLUSIÓN



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



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