



# Boletín VT

## COCHE ELÉCTRICO

1<sup>er</sup> trimestre 2024

# 57

Vigilancia Tecnológica

### Noticias

[Real Decreto 267/2024](#), de 13 de marzo, por el que se nombra Secretario General de Movilidad Sostenible a don Álvaro Fernández Heredia.

[Real Decreto 268/2024](#), de 13 de marzo, por el que se nombra Director General de Estrategias de Movilidad a don José Alfonso Gálvez Salinas

[Real Decreto 18/2024](#), de 9 de enero, por el que se dispone el cese de don Ricardo Lorka Mar Ruipérez como Director del Gabinete del Ministro de Transportes y Movilidad Sostenible.

[BOLETINES OEPM](#)

### CONTENIDO:

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

## Solicitudes de Patente Publicadas

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

### BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2024028464 A1</a>	AUTONEUM MAN AG	FLAME SHIELD FOR A BATTERY OF AN ELECTRIC VEHICLE AND BATTERY HOUSING COMPRISING IT
<a href="#">WO 2024028091 A1</a>	VALEO SYSTEMES THERMIQUES	TEMPERATURE CONTROL DEVICE, IN PARTICULAR COOLING DEVICE FOR A MOTOR VEHICLE
<a href="#">WO 2024028105 A1</a>	ASTON MARTIN LAGONDA LTD	BATTERY ASSEMBLY FOR A VEHICLE
<a href="#">WO 2024004780 A1</a>	GS YUASA INT LTD	ESTIMATING DEVICE, ELECTRIC POWER STORAGE DEVICE, ESTIMATING METHOD, AND COMPUTER PROGRAM
<a href="#">WO 2024015613 A1</a>	SOLID POWER OPERATING INC	SILICON ANODE MULTILAYER FOR ELECTROCHEMICAL CELLS
<a href="#">WO 2024061512 A1</a>	VOLKSWAGEN AG	METHOD FOR PRODUCING A RECHARGEABLE BATTERY, AND RECHARGEABLE BATTERY
<a href="#">WO 2024063955 A1</a>	APPLE INC	CELL BUSBAR FUSE WITH DIRECT COOLING
<a href="#">WO 2024012804 A1</a>	TES SUSTAINABLE BATTERY SOLUTIONS FRANCE	METHOD FOR DISMANTLING A LITHIUM BATTERY
<a href="#">WO 2024015615 A1</a>	SOLID POWER OPERATING INC	SILICON ANODE FOR USE IN AN ELECTROCHEMICAL CELL
<a href="#">WO 2024030733 A1</a>	ANALOG DEVICES INC	WIRELESS BATTERY MANAGEMENT SYSTEM SAFETY CHANNEL COMMUNICATION LAYER PROTOCOL
<a href="#">WO 2024004631 A1</a>	DENSO CORP	IN-VEHICLE HIGH VOLTAGE SYSTEM AND ELECTRONIC CONTROL DEVICE
<a href="#">WO 2024061425 A1</a>	QUANTRON AG	MODULAR BATTERY HOUSING, BATTERY, ELECTRIC VEHICLE, ARRANGEMENT, METHOD FOR ARRANGING A MODULAR BATTERY HOUSING AND USE OF BATTERY MODULES
<a href="#">WO 2024004356 A1</a>	JX METALS CORP	METHOD FOR HEAT-TREATING LITHIUM-ION BATTERY WASTE
<a href="#">WO 2024013131 A1</a>	TOTALENERGIES ONETECH	USE OF A DIESTER IN A COOLING AND/OR LUBRICATING COMPOSITION FOR AN ELECTRIC OR HYBRID VEHICLE
<a href="#">WO 2024062050 A1</a>	AYOUNI NOUFEL	SOLID-STATE BATTERY AND METHOD FOR MANUFACTURING THE BATTERY
<a href="#">WO 2024003166 A1</a>	VALEO SYSTEMES THERMIQUES	INSERT DEVICE FOR ELECTRICAL STORAGE DEVICE
<a href="#">WO 2024061586 A1</a>	BAYERISCHE MOTOREN WERKE AG	ELECTRICAL ENERGY STORAGE DEVICE FOR A MOTOR VEHICLE, AND MOTOR VEHICLE
<a href="#">WO 2024002518 A1</a>	FIAMM ENERGY TECH S P A	COMPRESSION BASKET FOR LEAD ACID BATTERIES
<a href="#">WO 2024033089 A1</a>	SOLVAY SPECIALTY POLYMERS IT	SOLID COMPOSITE ELECTROLYTE
<a href="#">WO 2024013086 A1</a>	BLUE SOLUTIONS	POLYMER COMPOSITION FOR ELECTROLYTE AND/OR POSITIVE ELECTRODE OF A RECHARGEABLE BATTERY
<a href="#">WO 2024033092 A1</a>	SOLVAY SPECIALTY POLYMERS IT	SOLID COMPOSITE ELECTROLYTE
<a href="#">WO 2024004568 A1</a>	DENSO CORP	VEHICLE MAINTENANCE-RELATED DEVICE, VEHICLE COMPONENT EXCHANGE PREDICTION DEVICE, VEHICLE MAINTENANCE-RELATED METHOD, AND VEHICLE COMPONENT EXCHANGE PREDICTION METHOD
<a href="#">WO 2024003023 A1</a>	TRINSEO EUROPE GMBH	NOVEL ANODE ACTIVE MATERIAL SLURRY FOR COATING AN ANODE CURRENT COLLECTOR FOR A SECONDARY LI-ION BATTERY
<a href="#">WO 2024062053 A1</a>	POLESTAR PERFORMANCE AB	DETECTING BATTERY FAILURE THROUGH PRESSURE SENSING

<a href="#">WO 2024004273 A1</a>	PANASONIC IP MAN CO LTD	VEHICLE AND HEAT EXCHANGE PLATE
<a href="#">WO 2024004902 A1</a>	TANAKA PRECIOUS METAL IND	POSITIVE ELECTRODE ACTIVE MATERIAL FOR Li ION SECONDARY BATTERIES AND METHOD FOR PRODUCING SAME
<a href="#">WO 2024002141 A1</a>	IBM	RECHARGEABLE BATTERY WITH HYBRID CATHODE COMPRISING CONVERSION AND INTERCALATION ACTIVE MATERIALS
<a href="#">WO 2024000513 A1</a>	NINGDE AMPEREX TECHNOLOGY LTD	ELECTROCHEMICAL DEVICE AND ELECTRIC DEVICE
<a href="#">WO 2024008733 A1</a>	PETROLIAM NASIONAL BERHAD PETRONAS	LITHIUM BATTERY
<a href="#">WO 2024003124 A1</a>	VALEO SYSTEMES THERMIQUES	A BATTERY THERMAL MANAGEMENT SYSTEM
<a href="#">WO 2024009109 A1</a>	UNIV OXFORD INNOVATION LTD	SOLID ELECTROLYTE
<a href="#">WO 2024062012 A1</a>	E MERSIV	ELECTRIC MODULE COMPRISING A PLURALITY OF BATTERY CELLS IMMERSSED IN A DIELECTRIC FLUID
<a href="#">WO 2024033741 A1</a>	SEMICONDUCTOR ENERGY LAB	BATTERY AND METHOD FOR PRODUCING SECONDARY BATTERY
<a href="#">WO 2024055264 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	METHOD FOR ADJUSTING SPACING BETWEEN TABS OF BATTERY, AND METHOD AND DEVICE FOR DIE CUTTING OF ELECTRODE SHEET
<a href="#">WO 2024018236 A1</a>	DZP TECH LIMITED	BATTERY MONITORING
<a href="#">WO 2024028684 A1</a>	SEMICONDUCTOR ENERGY LAB	SECONDARY BATTERY
<a href="#">WO 2024031423 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POLE PIECE, ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY, AND ELECTRICAL DEVICE
<a href="#">WO 2024009185 A1</a>	SEMICONDUCTOR ENERGY LAB	ENERGY STORAGE SYSTEM
<a href="#">WO 2024033349 A1</a>	GENTHERM GMBH	TEMPERATURE-CONTROL DEVICE AND BATTERY ARRANGEMENT COMPRISING A TEMPERATURE-CONTROL DEVICE
<a href="#">WO 2024057186 A1</a>	DYSON TECHNOLOGY LTD	ELECTRODE PRECURSOR COMPOSITION
<a href="#">WO 2024058582 A1</a>	LG CHEMICAL LTD	ELECTRODE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY
<a href="#">WO 2024063262 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MANAGEMENT SYSTEM HAVING HIERARCHICAL STRUCTURE AND METHOD FOR OPERATING SAME
<a href="#">WO 2024022993 A1</a>	TOTALENERGIES ONETECH	BATTERY THERMAL MANAGEMENT AND SAFETY METHOD AND DEVICE FOR IMPLEMENTING SAME
<a href="#">WO 2024026654 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE SHEET, SECONDARY BATTERY AND ELECTRIC APPARATUS
<a href="#">WO 2024068550 A1</a>	VOESTALPINE STAHL GMBH	COATING COMPOSITION
<a href="#">WO 2024004252 A1</a>	VEHICLE ENERGY JAPAN INC	LITHIUM ION SECONDARY BATTERY
<a href="#">WO 2024004630 A1</a>	PANASONIC IP MAN CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
<a href="#">WO 2024010057 A1</a>	DAIKIN IND LTD	NEGATIVE ELECTRODE, BATTERY, AND METHOD FOR COVERING BATTERY MATERIAL
<a href="#">WO 2024007279 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY MODULE STACKING DEVICE, METHOD AND BATTERY PRODUCTION SYSTEM
<a href="#">WO 2024018211 A1</a>	AUTOCRAFT SOLUTIONS GROUP LTD	BATTERY SERVICING SYSTEM AND BATTERY SERVICING METHOD
<a href="#">WO 2024022824 A1</a>	BAYERISCHE MOTOREN WERKE AG	HIGH-VOLTAGE ACCUMULATOR FOR A MOTOR VEHICLE, AND MOTOR VEHICLE
<a href="#">WO 2024034184 A1</a>	CANON OPTRON INC	ION CONDUCTIVE SOLID AND ALL-SOLID-STATE BATTERY
<a href="#">WO 2024034887 A1</a>	LG ENERGY SOLUTION LTD	NON-AQUEOUS ELECTROLYTE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024042125 A1</a>	ANALOG DEVICES INTERNATIONAL UNLIMITED CO	WIRELESS MODULE LOCATION CONFIRMATION IN ELECTRICAL VEHICLE BATTERY PACKS
<a href="#">WO 2024042301 A1</a>	FARADION LTD	ELECTROLYTES
<a href="#">WO 2024043822 A1</a>	SCANIA CV AB	PROTECTION DEVICE FOR PROPULSION BATTERIES AGAINST CONDUCTIVE ENERGY DISCHARGE

<a href="#">WO 2024058440 A1</a>	SK ON CO LTD	LITHIUM SECONDARY BATTERY AND OPERATION METHOD THEREFOR
<a href="#">WO 2024067924 A1</a>	CONTITECH VIBRATION CONTROL GMBH	SOLID-STATE BATTERY SYSTEM
<a href="#">WO 2024017596 A1</a>	BAYERISCHE MOTOREN WERKE AG	UNDERBODY PROTECTION DEVICE, HOUSING LOWER PART, VEHICLE FLOOR DEVICE, AND MOTOR VEHICLE
<a href="#">WO 2024026851 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024057307 A1</a>	BROMINE COMPOUNDS LTD	PRECURSOR PREPARATION FROM RECYCLED RECHARGEABLE BATTERIES
<a href="#">WO 2024061099 A1</a>	BTR NEW MAT GROUP CO LTD	COMPOSITE NEGATIVE ELECTRODE MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF
<a href="#">WO 2024008706 A1</a>	CAPACITE	SOLUTION FOR PRE-HEATING AN ELECTRIC BATTERY OF A VEHICLE
<a href="#">WO 2024028622 A1</a>	NISSAN MOTOR	SECONDARY BATTERY
<a href="#">WO 2024034132 A1</a>	FDK CORP	NEGATIVE ELECTRODE FOR ZINC BATTERY, AND ZINC BATTERY
<a href="#">WO 2024049733 A1</a>	TEXAS INSTRUMENTS INC	MULTIPLE PRIMARY NODES FOR WIRELESS BATTERY MANAGEMENT SYSTEM ROBUSTNESS
<a href="#">WO 2024027183 A1</a>	HUAWEI TECH CO LTD	THERMAL MANAGEMENT ASSEMBLY, THERMAL MANAGEMENT SYSTEM, AND VEHICLE
<a href="#">WO 2024029479 A1</a>	IDEMITSU KOSAN CO	GLASS SOLID ELECTROLYTE AND LITHIUM ION BATTERY
<a href="#">WO 2024017681 A1</a>	NEWFREY LLC	BATTERY APPARATUS WITH A CELL TAB COOLING SYSTEM
<a href="#">WO 2024029472 A1</a>	GS YUASA INT LTD	POWER STORAGE DEVICE
<a href="#">WO 2024029924 A1</a>	LG ENERGY SOLUTION LTD	ANODE ACTIVE MATERIAL, METHOD FOR PREPARING ANODE ACTIVE MATERIAL, ANODE COMPOSITION, LITHIUM SECONDARY BATTERY ANODE COMPRISING SAME, AND LITHIUM SECONDARY BATTERY COMPRISING ANODE
<a href="#">WO 2024047495 A1</a>	DYSON TECHNOLOGY LTD	ENERGY STORAGE DEVICES AND COMPONENTS THEREOF
<a href="#">WO 2024004520 A1</a>	PANASONIC IP MAN CO LTD	NEGATIVE ELECTRODE MATERIAL FOR SECONDARY BATTERY, AND SECONDARY BATTERY
<a href="#">WO 2024000071 A1</a>	LITENS AUTOMOTIVE INC	CELL BIASING METHODS FOR A BATTERY
<a href="#">WO 2024029864 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK
<a href="#">WO 2024029874 A1</a>	NEPES YAHAD	BATTERY MODULE AND BATTERY PACK WITH FIRE EXTINGUISHING FUNCTION
<a href="#">WO 2024031353 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE SHEET, ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024063373 A1</a>	ECOPRO BM CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL AND LITHIUM SECONDARY BATTERY INCLUDING SAME
<a href="#">WO 2024023722 A1</a>	DOMETIC SWEDEN AB	BATTERY ASSEMBLY AND METHOD FOR MANUFACTURING A BATTERY ASSEMBLY
<a href="#">WO 2024037848 A1</a>	MAN TRUCK & BUS SE	BATTERY MODULE WITH INTEGRATED COOLING CHANNELS
<a href="#">WO 2024063337 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MANAGEMENT SYSTEM, BATTERY PACK, ELECTRIC VEHICLE, AND BATTERY MANAGEMENT METHOD
<a href="#">WO 2024063528 A1</a>	LG ENERGY SOLUTION LTD	BATTERY CELL PACKAGING DEVICE
<a href="#">WO 2024015141 A1</a>	APPLIED MATERIALS INC	METHODS AND SYSTEMS FOR PRODUCING LITHIUM INTERCALATED ANODES
<a href="#">WO 2024026829 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRICAL APPARATUS
<a href="#">WO 2024063335 A1</a>	LG ENERGY SOLUTION LTD	POUCH CELL DEFORMATION INSPECTION DEVICE AND DEFORMATION INSPECTION METHOD USING SAME
<a href="#">WO 2024063483 A1</a>	L&F CO LTD	PRECURSOR FOR PREPARATION OF CATHODE ACTIVE MATERIAL
<a href="#">WO 2024004118 A1</a>	MITSUBISHI ELECTRIC CORP	STORAGE BATTERY TEMPERATURE-INCREASING CONTROL DEVICE AND STORAGE BATTERY TEMPERATURE-INCREASING SYSTEM
<a href="#">WO 2024009736 A1</a>	MTEK SMART CORP	METHOD FOR MANUFACTURING SECONDARY BATTERY AND METHOD FOR MANUFACTURING ALL-SOLID-STATE BATTERY

<a href="#">WO 2024031448 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POLYMER, PREPARATION METHOD THEREFOR, POSITIVE ELECTRODE SLURRY, POSITIVE ELECTRODE PLATE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRIC APPARATUS
<a href="#">WO 2024031661 A1</a>	XIAMEN AMPACK TECH LIMITED	BATTERY MANAGEMENT SYSTEM, BATTERY PACK, AND ELECTRIC DEVICE
<a href="#">WO 2024034726 A1</a>	BU MYEONG LTD	BATTERY MODULE COMPRISING BATTERY MANAGEMENT SYSTEM
<a href="#">WO 2024058454 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MODULE, BATTERY PACK INCLUDING SAME, AND METHOD FOR MANUFACTURING BATTERY MODULE
<a href="#">WO 2024058387 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MANAGEMENT SYSTEM, BATTERY PACK, ELECTRIC VEHICLE, AND BATTERY CHARGING TIME PREDICTION METHOD
<a href="#">WO 2024003654 A1</a>	SEMICONDUCTOR ENERGY LAB	CHARGING MANAGEMENT SYSTEM FOR SECONDARY BATTERY
<a href="#">WO 2024018141 A1</a>	ARKEMA FRANCE	SALT COMPOSITION FOR AN ELECTROLYTE, HAVING A LOW CONTENT OF SULFAMATE IONS
<a href="#">WO 2024029466 A1</a>	MAXELL LTD	ALL-SOLID-STATE BATTERY
<a href="#">WO 2024056857 A1</a>	BOSCH GMBH ROBERT	ENERGY STORAGE UNIT FOR AN ELECTRICAL CONSUMER
<a href="#">WO 2024057727 A1</a>	GS YUASA INT LTD	ELECTRICITY STORAGE ELEMENT
<a href="#">WO 2024058206 A1</a>	HONDA MOTOR CO LTD	INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, PROGRAM, AND RECORDING DEVICE
<a href="#">WO 2024023401 A1</a>	AMPERE S A S	ELECTRICAL ENERGY STORAGE ASSEMBLY FOR A VEHICLE
<a href="#">WO 2024029480 A1</a>	IDEMITSU KOSAN CO	GLASS-CERAMICS SOLID ELECTROLYTE AND LITHIUM-ION BATTERY
<a href="#">WO 2024058404 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MANAGEMENT SYSTEM, BATTERY PACK, ELECTRIC VEHICLE AND BATTERY CHARGING TIME PREDICTION METHOD
<a href="#">WO 2024063482 A1</a>	SK ON CO LTD	BATTERY CELL INSPECTION APPARATUS, BATTERY CELL INSPECTION METHOD, AND BATTERY CELL INSPECTION SYSTEM
<a href="#">WO 2024005620 A1</a>	UIF UNIV INDUSTRY FOUNDATION YONSEI UNIV	METHOD FOR PREPARING SULFIDE-BASED SOLID ELECTROLYTE WITH EXCELLENT ATMOSPHERIC STABILITY, SULFIDE-BASED SOLID ELECTROLYTE PREPARED THEREBY, AND ALL-SOLID-STATE BATTERY COMPRISING SAME
<a href="#">WO 2024026675 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE POLE PIECE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL DEVICE
<a href="#">WO 2024034327 A1</a>	SUMITOMO METAL MINING CO	METHOD OF TREATING WASTE BATTERY
<a href="#">WO 2024005527 A1</a>	LG ENERGY SOLUTION LTD	POSITIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, AND MANUFACTURING METHOD THEREFOR
<a href="#">WO 2024009928 A1</a>	GS YUASA INT LTD	ELECTRIC POWER STORAGE ELEMENT AND ELECTRIC POWER STORAGE DEVICE
<a href="#">WO 2024013238 A1</a>	NORTHVOLT AB	TOP LID VENTING BATTERY MODULE
<a href="#">WO 2024022727 A1</a>	MERCEDES BENZ GROUP AG	BATTERY MODULE
<a href="#">WO 2024035014 A1</a>	LG ENERGY SOLUTION LTD	BATTERY CELL INSPECTION DEVICE
<a href="#">WO 2024058054 A1</a>	MURATA MANUFACTURING CO	SECONDARY BATTERY
<a href="#">WO 2024058242 A1</a>	HONDA MOTOR CO LTD	ELECTRIC POWER DEVICE
<a href="#">WO 2024058591 A1</a>	LG ENERGY SOLUTION LTD	NEGATIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024068418 A1</a>	VOLKSWAGEN AG	METHOD FOR PRODUCING A SOLID-STATE CELL
<a href="#">WO 2024010254 A1</a>	LG ENERGY SOLUTION LTD	BATTERY SYSTEM FOR SEQUENTIAL CHARGING OF BATTERIES AND CONTROL METHOD THEREOF
<a href="#">WO 2024035243 A1</a>	LG ENERGY SOLUTION LTD	SEPARATOR FOR ELECTROCHEMICAL DEVICES AND ELECTROCHEMICAL DEVICE COMPRISING SAME
<a href="#">WO 2024053904 A1</a>	KOREA INST OF ROBOT AND CONVERGENCE	WASTE BATTERY PACK DISASSEMBLY SYSTEM
<a href="#">WO 2024054016 A1</a>	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

<a href="#">WO 2024077480 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ADAPTER PLATE, BATTERY CELL, BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024010056 A1</a>	DAIKIN IND LTD	SECONDARY BATTERY
<a href="#">WO 2024026040 A1</a>	FORM ENERGY INC	REFUELABLE BATTERY SYSTEMS, DEVICES, AND COMPONENTS
<a href="#">WO 2024034310 A1</a>	NISSHA CO LTD	SECONDARY BATTERY AND BATTERY PACK THEREOF
<a href="#">WO 2024038796 A1</a>	KANEKA CORP	ELECTRODE BINDER FOR LITHIUM-ION BATTERY
<a href="#">WO 2024062776 A1</a>	PANASONIC IP MAN CO LTD	BATTERY AND METHOD FOR PRODUCING SAME
<a href="#">WO 2024005559 A1</a>	LG ENERGY SOLUTION LTD	CYLINDRICAL LITHIUM SECONDARY BATTERY
<a href="#">WO 2024015540 A1</a>	FORM ENERGY INC	GAS MANAGEMENT FOR METAL-AIR BATTERIES
<a href="#">WO 2024062905 A1</a>	SUMITOMO METAL MINING CO	METHOD FOR RECOVERING VALUABLE METALS
<a href="#">WO 2024063594 A1</a>	INZI CONTROLS CO LTD	BATTERY PACK
<a href="#">WO 2024010454 A1</a>	LEYDENJAR TECH B V	HIGH CYCLE-LIFE LITHIUM-ION CELLS WITH NANOSTRUCTURED SILICON-COMPRISING ANODES
<a href="#">WO 2024014863 A1</a>	LG ENERGY SOLUTION LTD	ANODE FOR LITHIUM SECONDARY BATTERY, METHOD FOR MANUFACTURING ANODE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY COMPRISING ANODE
<a href="#">WO 2024031221 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CURRENT COLLECTOR, ELECTRODE PLATE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRIC DEVICE
<a href="#">WO 2024031236 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024055240 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY PACK AND ELECTRICAL DEVICE
<a href="#">WO 2024058004 A1</a>	TDK CORP	NEGATIVE ELECTRODE AND ALL-SOLID-STATE BATTERY
<a href="#">WO 2024000491 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	DETECTION METHOD AND SYSTEM FOR BATTERY PRODUCTION, AND BATTERY PRODUCTION METHOD AND SYSTEM
<a href="#">WO 2024007193 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL STACKING APPARATUS AND BATTERY ASSEMBLING APPARATUS
<a href="#">WO 2024011488 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE SHEET AND DEVICE COMPRISING NEGATIVE ELECTRODE SHEET
<a href="#">WO 2024019429 A1</a>	LG ENERGY SOLUTION LTD	NEGATIVE ELECTRODE ACTIVE MATERIAL, NEGATIVE ELECTRODE INCLUDING SAME, SECONDARY BATTERY INCLUDING SAME, AND METHOD FOR MANUFACTURING NEGATIVE ELECTRODE ACTIVE MATERIAL
<a href="#">WO 2024054077 A1</a>	LG ENERGY SOLUTION LTD	DEVICE AND METHOD FOR MANAGING BATTERY
<a href="#">WO 2024057710 A1</a>	TOYOTA MOTOR CO LTD	BIPOLAR ELECTRODE, BIPOLAR BATTERY, AND BIPOLAR ELECTRODE MANUFACTURING METHOD
<a href="#">WO 2024058442 A1</a>	SK ON CO LTD	CATHODE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024063205 A1</a>	LG ENERGY SOLUTION LTD	DEVICE FOR PROVIDING BATTERY STATE INFORMATION, AND OPERATING METHOD THEREFOR
<a href="#">WO 2024001482 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY AND ELECTRICAL DEVICE
<a href="#">WO 2024000167 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POLYMER AND PREPARATION METHOD THEREFOR, ELECTRODE PLATE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRIC DEVICE
<a href="#">WO 2024055045 A1</a>	OUR NEXT ENERGY INC	BATTERY PACK WITH INTERLEAVED CELLS
<a href="#">WO 2024055254 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	FORMING APPARATUS AND FORMING METHOD
<a href="#">WO 2024061011 A1</a>	HUAWEI TECH CO LTD	LITHIUM-ION BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024062824 A1</a>	TOYOTA JIDOSHOKKI KK	POWER STORAGE MODULE AND POWER STORAGE DEVICE
<a href="#">WO 2024077625 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY AND ELECTRICAL DEVICE

<a href="#">WO 2024077631 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024005522 A1</a>	ZAIN ENERGY INC	NOVEL ANIONIC RECEPTOR COMPOUND AND ELECTROLYTE COMPRISING SAME
<a href="#">WO 2024054036 A1</a>	LG ENERGY SOLUTION LTD	SYSTEM FOR PRESSING AND CHARGING/DISCHARGING BATTERY CELL
<a href="#">WO 2024014897 A1</a>	LG ENERGY SOLUTION LTD	ANODE ACTIVE MATERIAL, METHOD FOR MANUFACTURING ANODE ACTIVE MATERIAL, ANODE COMPOSITION, ANODE FOR LITHIUM SECONDARY BATTERY, INCLUDING SAME, AND LITHIUM SECONDARY BATTERY INCLUDING ANODE
<a href="#">WO 2024016127 A1</a>	NINGDE AMPEREX TECHNOLOGY LTD	ELECTROCHEMICAL APPARATUS AND ELECTRONIC DEVICE
<a href="#">WO 2024042233 A1</a>	IBU TEC ADVANCED MAT AG	METHOD FOR TREATING USED CATHODE MATERIAL, DEVICE AND USE
<a href="#">WO 2024054019 A1</a>	LG ENERGY SOLUTION LTD	NEGATIVE ELECTRODE COMPOSITION, NEGATIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, COMPRISING SAME, AND LITHIUM SECONDARY BATTERY COMPRISING NEGATIVE ELECTRODE
<a href="#">WO 2024055296 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POLE PIECE AND PREPARATION METHOD THEREFOR, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL APPARATUS
<a href="#">WO 2024059912 A1</a>	NEWSOUTH INNOVATIONS PTY LTD	ELECTRODE MATERIAL
<a href="#">WO 2024011355 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE FOR SODIUM-ION BATTERY, SODIUM-ION BATTERY COMPRISING SAME, AND ELECTRIC DEVICE
<a href="#">WO 2024029913 A1</a>	LG CHEMICAL LTD	CURRENT COLLECTOR
<a href="#">WO 2024034941 A1</a>	LG ENERGY SOLUTION LTD	FOLDING DEVICE AND FOLDING METHOD
<a href="#">WO 2024053930 A1</a>	LG ENERGY SOLUTION LTD	ELECTRODE ASSEMBLY MANUFACTURING DEVICE AND MANUFACTURING METHOD USING SAME
<a href="#">WO 2024053871 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MANAGEMENT APPARATUS, BATTERY PACK, ELECTRIC VEHICLE AND BATTERY MANAGEMENT METHOD
<a href="#">WO 2024058444 A1</a>	SK ON CO LTD	POSITIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024058592 A1</a>	LG ENERGY SOLUTION LTD	WINDING-TYPE ELECTRODE ASSEMBLY, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024085433 A1</a>	LG ENERGY SOLUTION LTD	MONITORING SYSTEM AND OPERATING METHOD THEREOF
<a href="#">WO 2024009252 A1</a>	SEYGNIX SOLUTIONS PRIVATE LTD	CIRCULAR LIFE BATTERY PACK
<a href="#">WO 2024016226 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	LITHIUM SUPPLEMENTING APPARATUS AND LITHIUM SUPPLEMENTING METHOD
<a href="#">WO 2024036398 A1</a>	MAGNA POWERTRAIN USA INC	ENERGY STORAGE SYSTEM WITH IMPROVED THERMAL AND ELECTRICAL ISOLATING PROPERTIES
<a href="#">WO 2024044008 A1</a>	REDWOOD MAT	METHOD OF MAKING A CATHODE ACTIVE MATERIAL HAVING AN OLIVINE STRUCTURE
<a href="#">WO 2024053939 A1</a>	LG ENERGY SOLUTION LTD	NEGATIVE ACTIVE MATERIAL, NEGATIVE ELECTRODE COMPRISING SAME, SECONDARY BATTERY COMPRISING SAME, AND METHOD FOR PRODUCING NEGATIVE ACTIVE MATERIAL
<a href="#">WO 2024060122 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ADJUSTING METHOD FOR ADJUSTING CIRCUIT OF BATTERY, CONTROL METHOD FOR BATTERY, AND MONITORING METHOD FOR BATTERY
<a href="#">WO 2024063014 A1</a>	NAT INST MATERIALS SCIENCE	ALL-SOLID-STATE LITHIUM-ION SECONDARY BATTERY AND METHOD FOR PRODUCING SAME
<a href="#">WO 2024062777 A1</a>	PANASONIC IP MAN CO LTD	BATTERY AND METHOD FOR PRODUCING SAME
<a href="#">WO 2024002198 A1</a>	BYD CO LTD	POWER BATTERY HEAT EXCHANGER, POWER BATTERY SYSTEM AND ELECTRIC VEHICLE
<a href="#">WO 2024000101 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL DEVICE
<a href="#">WO 2024007964 A1</a>	HUAWEI TECH CO LTD	COMPOSITE SEPARATOR AND PREPARATION METHOD THEREFOR, SECONDARY BATTERY AND ELECTRIC DEVICE

<a href="#">WO 2024011539 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE SHEET, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRIC APPARATUS
<a href="#">WO 2024014447 A1</a>	FURUKAWA ELECTRIC CO LTD	INTERNAL RESISTANCE MEASUREMENT SYSTEM, INTERNAL RESISTANCE MEASUREMENT DEVICE, AND INTERNAL RESISTANCE MEASUREMENT METHOD
<a href="#">WO 2024018248 A1</a>	NISSAN MOTOR RENAULT SAS	LITHIUM SECONDARY BATTERY
<a href="#">WO 2024020042 A1</a>	WORCESTER POLYTECH INST	SODIUM-ION BATTERY CATHODE MATERIAL
<a href="#">WO 2024036850 A1</a>	TECHTRONIC CORDLESS GP	LITHIUM-ION BATTERY WITHOUT TABS
<a href="#">WO 2024037309 A1</a>	BYD CO LTD	ELECTRIC ASSEMBLY AND VEHICLE PROVIDED WITH SAME
<a href="#">WO 2024040130 A1</a>	CUBERG INC	LITHIUM-METAL UNIT CELLS AND METHODS OF FABRICATING THEREOF
<a href="#">WO 2024054035 A1</a>	LG ENERGY SOLUTION LTD	NEGATIVE ELECTRODE ACTIVE MATERIAL, NEGATIVE ELECTRODE INCLUDING SAME, SECONDARY BATTERY INCLUDING SAME, AND METHOD FOR MANUFACTURING NEGATIVE ELECTRODE ACTIVE MATERIAL
<a href="#">WO 2024058374 A1</a>	SK INNOVATION CO LTD	FLUIDIZED BED REACTOR AND METHOD FOR RECOVERING ACTIVE METAL OF LITHIUM SECONDARY BATTERY BY USING SAME
<a href="#">WO 2024008797 A1</a>	NORTHVOLT REVOLT AB	BATTERY PACK SUPPORTING APPARATUS
<a href="#">WO 2024011438 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SUPPORTING MEMBER, BATTERY CELL, BATTERY, ELECTRIC DEVICE, AND ASSEMBLY METHOD
<a href="#">WO 2024014144 A1</a>	DOWA ECO SYSTEM CO LTD	METHOD FOR RECOVERING VALUABLE MATERIALS FROM LITHIUM ION SECONDARY BATTERIES
<a href="#">WO 2024014352 A1</a>	DENSO CORP	THERMAL RUNAWAY SIGN DETECTION DEVICE FOR SECONDARY BATTERY AND THERMAL RUNAWAY SIGN DETECTION METHOD FOR SECONDARY BATTERY
<a href="#">WO 2024014162 A1</a>	NUVOTON TECH CORPORATION JAPAN	POWER STORAGE DEVICE
<a href="#">WO 2024014788 A1</a>	LG ENERGY SOLUTION LTD	NON-AQUEOUS ELECTROLYTE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024016097 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRIC DEVICE
<a href="#">WO 2024019426 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK AND VEHICLE INCLUDING SAME
<a href="#">WO 2024005553 A1</a>	LG CHEMICAL LTD	CATHODE ACTIVE MATERIAL, PREPARATION METHOD THEREFOR, AND CATHODE AND LITHIUM SECONDARY BATTERY, WHICH COMPRISE SAME
<a href="#">WO 2024008000 A1</a>	NIO BATTERY TECH ANHUI CO LTD	SECONDARY BATTERY AND APPARATUS
<a href="#">WO 2024018213 A1</a>	AUTOCRAFT SOLUTIONS GROUP LTD	BATTERY SERVICING SYSTEM FOR USE IN BATTERY SERVICING STATION AND METHOD THEREOF
<a href="#">WO 2024034465 A1</a>	TOYOTA JIDOSHOKKI KK	POWER STORAGE MODULE AND METHOD FOR MANUFACTURING POWER STORAGE MODULE
<a href="#">WO 2024005325 A1</a>	SK ON CO LTD	METHOD FOR MANUFACTURING BATTERY CELL, BATTERY CELL MANUFACTURED THEREBY, AND BATTERY MODULE INCLUDING SAME
<a href="#">WO 2024011198 A1</a>	FED MOGUL POWERTRAIN LLC	THERMAL AND DIELECTRIC INSULATOR FOR A BATTERY PACK
<a href="#">WO 2024014333 A1</a>	DENSO CORP	METHOD FOR REGULATING A THERMAL MANAGEMENT SYSTEM FOR ELECTRIC VEHICLES AND THERMAL MANAGEMENT SYSTEM FOR THIS PURPOSE
<a href="#">WO 2024018247 A1</a>	NISSAN MOTOR	METHOD FOR MANUFACTURING LITHIUM SECONDARY BATTERY
<a href="#">WO 2024055204 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE SHEET, SODIUM-ION BATTERY, ELECTRIC DEVICE, AND APPLICATION
<a href="#">WO 2024011505 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CONNECTION ASSEMBLY, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024034879 A1</a>	LG ENERGY SOLUTION LTD	BATTERY FIRE PREDICTION METHOD AND BATTERY SYSTEM PROVIDING SAME



<a href="#">WO 2024036430 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE ACTIVE MATERIAL, NEGATIVE ELECTRODE SHEET, SECONDARY BATTERY, ELECTRIC DEVICE, AND PREPARATION METHOD
<a href="#">WO 2024053958 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MANUFACTURING METHOD AND SYSTEM
<a href="#">WO 2024058739 A1</a>	KARADENIZ TEKNİK UNIV	BATTERY THERMAL MANAGEMENT SYSTEM WITH LIQUID COOLING AND COLD PLATE
<a href="#">WO 2024004504 A1</a>	PANASONIC ENERGY CO LTD	BATTERY PACK
<a href="#">WO 2024014161 A1</a>	NUVOTON TECH CORPORATION JAPAN	BATTERY PACK
<a href="#">WO 2024016212 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024018782 A1</a>	GS YUASA INT LTD	POWER STORAGE ELEMENT
<a href="#">WO 2024019473 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MODULE AND BATTERY PACK COMPRISING COOLING PART
<a href="#">WO 2024030448 A1</a>	TEXAS A & M UNIV SYS	DELOCALIZED LITHIUM ION FLUX BY SOLID-STATE ELECTROLYTE COMPOSITES COUPLED WITH 3D POROUS NANOSTRUCTURES FOR HIGHLY STABLE LITHIUM METAL BATTERIES
<a href="#">WO 2024062778 A1</a>	PANASONIC IP MAN CO LTD	BATTERY AND PRODUCTION METHOD THEREFOR
<a href="#">WO 2024018982 A1</a>	MAXELL LTD	ALL-SOLID-STATE BATTERY
<a href="#">WO 2024020480 A1</a>	CPS TECH HOLDINGS LLC	BATTERY MANAGEMENT SYSTEM STRUCTURE AND BATTERY COMPRISING SAME
<a href="#">WO 2024031255 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024036528 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BOX BODY ASSEMBLY, BATTERY, AND ELECTRIC APPARATUS
<a href="#">WO 2024038843 A1</a>	NITTO DENKO CORP	THERMAL INSULATION MATERIAL
<a href="#">WO 2024039227 A1</a>	COREENERGY SOLUTION CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, PREPARATION METHOD THEREFOR, AND POSITIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY CONTAINING SAME
<a href="#">WO 2024044955 A1</a>	HUAWEI DIGITAL POWER TECH CO LTD	BATTERY PACK AND MEASUREMENT METHOD THEREFOR, AND BATTERY MANAGEMENT SYSTEM
<a href="#">WO 2024057568 A1</a>	TOSHIBA KK	INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, COMPUTER PROGRAM, AND INFORMATION PROCESSING SYSTEM
<a href="#">WO 2024004514 A1</a>	UNIV YAMAGUCHI	NON-AQUEOUS ELECTROLYTIC SOLUTION FOR LITHIUM ION SECONDARY BATTERY AND LITHIUM ION SECONDARY BATTERY USING SAME
<a href="#">WO 2024014944 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK AND DEVICE COMPRISING SAME
<a href="#">WO 2024029801 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MODULE AND BATTERY PACK INCLUDING SAME
<a href="#">WO 2024053949 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK HAVING STRUCTURE FOR DELAYING HEAT PROPAGATION
<a href="#">WO 2024012403 A1</a>	BYD CO LTD	ENERGY STORAGE BATTERY CABINET AND ENERGY STORAGE SYSTEM HAVING SAME
<a href="#">WO 2024018212 A1</a>	AUTOCRAFT SOLUTIONS GROUP LTD	OFF-GRID BATTERY SERVICING SYSTEM AND METHOD FOR OFF-GRID BATTERY SERVICING
<a href="#">WO 2024053378 A1</a>	PANASONIC IP MAN CO LTD	CHARGING CONTROL SYSTEM, CHARGING CONTROL METHOD AND CHARGING CONTROL PROGRAM, AND STORAGE MEDIUM ON WHICH CHARGING CONTROL PROGRAM IS WRITTEN
<a href="#">WO 2024053211 A1</a>	SEIWA ELECTRIC MFG	FLAME-RETARDANT AND HEAT-INSULATING MATERIAL
<a href="#">WO 2024012127 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024016274 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024024949 A1</a>	FUJIFILM CORP	BINDER COMPOSITION FOR SECONDARY BATTERY, COMPOSITION FOR ELECTRODE, ELECTRODE SHEET, SECONDARY BATTERY, MANUFACTURING METHOD FOR SAID ELECTRODE SHEET, AND MANUFACTURING METHOD FOR SAID SECONDARY BATTERY

<a href="#">WO 2024029912 A1</a>	LG CHEMICAL LTD	CURRENT COLLECTOR
<a href="#">WO 2024005524 A1</a>	ZAIN ENERGY INC	NOVEL ANION RECEPTOR COMPOUND AND ELECTROLYTE CONTAINING SAME
<a href="#">WO 2024009905 A1</a>	IMAE IND LTD	HEAT-INSULATING AND FLAME-SHIELDING SHEET, AND ASSEMBLED BATTERY AND BATTERY MODULE PACKAGE USING SAME
<a href="#">WO 2024051499 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SPINEL-TYPE LITHIUM-MANGANESE-CONTAINING COMPOSITE OXIDE AND PREPARATION METHOD THEREFOR, POSITIVE ELECTRODE SHEET, SECONDARY BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024000153 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE ASSEMBLY AND MANUFACTURING METHOD THEREFOR, BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024007213 A1</a>	CONTEMPORARY AMPEREX ENERGY SERVICE TECH LIMITED	METHOD AND APPARATUS FOR BATTERY SWAPPING
<a href="#">WO 2024014374 A1</a>	DAIKIN IND LTD	FLUORINE RESIN FILM FOR BATTERY OUTER PACKAGING, BATTERY OUTER PACKAGING, AND SECONDARY BATTERY
<a href="#">WO 2024024950 A1</a>	FUJIFILM CORP	SECONDARY BATTERY BINDER COMPOSITION, ELECTRODE COMPOSITION, ELECTRODE SHEET, AND SECONDARY BATTERY, AND PRODUCTION METHODS FOR SAID ELECTRODE SHEET AND SECONDARY BATTERY
<a href="#">WO 2024031254 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024014903 A1</a>	LG ENERGY SOLUTION LTD	ELECTRODE ASSEMBLY
<a href="#">WO 2024021084 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	PLATE PREPARATION METHOD, PLATE PREPARATION DEVICE, PLATE, ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024025228 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MANAGEMENT DEVICE AND OPERATING METHOD THEREOF
<a href="#">WO 2024029802 A1</a>	LG ENERGY SOLUTION LTD	LITHIUM SECONDARY BATTERY, BATTERY MODULE, AND BATTERY PACK
<a href="#">WO 2024064409 A1</a>	UNIV CALIFORNIA	SODIUM-DEFICIENT CHLORIDE-BASED SODIUM SOLID ELECTROLYTE
<a href="#">WO 2024007198 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE SHEET, SECONDARY BATTERY, AND ELECTRICAL DEVICE
<a href="#">WO 2024016897 A1</a>	SHENZHEN CAPCHEM TECHNOLOGY CO LTD	NON-AQUEOUS ELECTROLYTE SOLUTION AND SECONDARY BATTERY
<a href="#">WO 2024034629 A1</a>	SANOH IND CO LTD	ALL-SOLID-STATE BATTERY AND METHOD OF MANUFACTURING ALL-SOLID-STATE BATTERY
<a href="#">WO 2024058395 A1</a>	LS ELECTRIC CO LTD	ABNORMAL TEMPERATURE DETECTION SYSTEM FOR BATTERY CELL
<a href="#">WO 2024021110 A1</a>	HUAWEI TECH CO LTD	COOLING SYSTEM, BATTERY SYSTEM AND ELECTRIC VEHICLE
<a href="#">WO 2024035219 A1</a>	LG ENERGY SOLUTION LTD	CATHODE, MANUFACTURING METHOD THEREFOR, AND LITHIUM SECONDARY BATTERY COMPRISING CATHODE
<a href="#">WO 2024055071 A1</a>	GELION TECH PTY LTD	A RECYCLING METHOD FOR RECOVERY OF VALUABLE METAL ELEMENTS FROM WASTE BATTERY MATERIALS
<a href="#">WO 2024006952 A2</a>	MITRA FUTURE TECH INC	MIXED SIO 4 AND PO 4 SYSTEM FOR FABRICATING HIGH-CAPACITY CATHODES
<a href="#">WO 2024000116 A1</a>	DOW SILICONES CORP	ORGANOPOLYSILOXANE COMPOSITION WITH EXPANDED PERLITE
<a href="#">WO 2024008669 A1</a>	NORTHVOLT AB	POTTED BATTERY MODULE AND A METHOD FOR ASSEMBLING THE SAME
<a href="#">WO 2024020745 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CHARGING CONTROL METHOD AND APPARATUS, DEVICE, AND MEDIUM
<a href="#">WO 2024020910 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024025226 A1</a>	SAMSUNG ELECTRONICS CO LTD	BATTERY INCLUDING SAFETY FUNCTION LAYER
<a href="#">WO 2024053995 A1</a>	LG CHEMICAL LTD	CATHODE ACTIVE MATERIAL, CATHODE COMPRISING SAME, AND LITHIUM SECONDARY BATTERY
<a href="#">WO 2024058422 A1</a>	LG ENERGY SOLUTION LTD	CELL MONITORING CIRCUIT CAPABLE OF WIRELESS COMMUNICATION AND BATTERY MODULE PROVIDED WITH SAME

<a href="#">WO 2024058521 A1</a>	LG ENERGY SOLUTION LTD	METHOD FOR CALCULATING BATTERY CAPACITY CHARACTERISTICS
<a href="#">WO 2024007005 A2</a>	MITRA FUTURE TECH INC	INCREASING OLIVINE TYPE CATHODE GRAVIMETRIC ENERGY DENSITY BY INCREASING EXCHANGEABLE LITHIUM-ION CONTENT OR AVERAGE DISCHARGE VOLTAGE
<a href="#">WO 2024016275 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024023829 A1</a>	TVS MOTOR CO LTD	BUSBARS FOR BATTERY PACKS
<a href="#">WO 2024000367 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024020877 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY AND ELECTRICAL APPARATUS
<a href="#">WO 2024029805 A1</a>	SK ON CO LTD	ELECTRODE FOR SECONDARY BATTERY, METHOD FOR MANUFACTURING SAME, AND SECONDARY BATTERY INCLUDING SAME
<a href="#">WO 2024036472 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE ACTIVE MATERIAL AND PREPARATION METHOD THEREFOR, POSITIVE ELECTRODE PLATE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRIC DEVICE
<a href="#">WO 2024044531 A1</a>	UNIV KHALIFA SCIENCE & TECHNOLOGY	LI-ION BATTERY BASED ON SOLID ELECTROLYTE FLEXIBLE MEMBRANE
<a href="#">WO 2024053351 A1</a>	NIPPON CATALYTIC CHEM IND	LIQUID ELECTROLYTE AND SECONDARY BATTERY USING SAME
<a href="#">WO 2024054684 A1</a>	ASCEND ELEMENTS INC	FORCED DISCHARGE FOR BATTERIES
<a href="#">WO 2024052288 A1</a>	MAHLE INT GMBH	BATTERY
<a href="#">WO 2024060093 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY AND ELECTRIC APPARATUS
<a href="#">WO 2024058371 A1</a>	SAMSUNG SDI CO LTD	POSITIVE ELECTRODE FOR ALL-SOLID RECHARGEABLE BATTERY, AND ALL-SOLID RECHARGEABLE BATTERY
<a href="#">WO 2024011322 A1</a>	SUPERIONICS INC	AN ELECTROCHEMICAL CELL ELECTROLYTE, AND CELLS THEREOF
<a href="#">WO 2024040419 A1</a>	XIAMEN AMPACK TECH LIMITED	BATTERY HEATING DEVICE, BATTERY MANAGEMENT SYSTEM, BATTERY PACK, AND ELECTRIC APPARATUS
<a href="#">WO 2024043639 A1</a>	LG ENERGY SOLUTION LTD	KNIFE AND SECONDARY BATTERY MANUFACTURING DEVICE INCLUDING SAME
<a href="#">WO 2024053556 A1</a>	NIPPON CATALYTIC CHEM IND	NONAQUEOUS ELECTROLYTE BATTERY
<a href="#">WO 2024053392 A1</a>	PANASONIC IP MAN CO LTD	DETERIORATION INHIBITION CONTROL SYSTEM, DETERIORATION INHIBITION CONTROL METHOD AND DETERIORATION INHIBITION CONTROL PROGRAM, AND RECORDING MEDIUM HAVING DETERIORATION INHIBITION CONTROL PROGRAM DESCRIBED THEREON
<a href="#">WO 2024058629 A1</a>	LG CHEMICAL LTD	SOLID ELECTROLYTE PREPARATION METHOD AND SOLID ELECTROLYTE
<a href="#">WO 2024063518 A1</a>	LG ENERGY SOLUTION LTD	CROSSLINKED POLYTHIOPHENE COMPOUNDS, SULFUR-CARBON COMPLEX, LITHIUM-SULFUR BATTERY, AND METHOD FOR MANUFACTURING SULFUR-CARBON COMPLEX
<a href="#">WO 2024011520 A1</a>	HUAWEI TECH CO LTD	HEAT EXCHANGE DEVICE, HEAT EXCHANGE APPARATUS, THERMAL MANAGEMENT SYSTEM AND CONTROL METHOD THEREFOR, AND VEHICLE
<a href="#">WO 2024019459 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK AND VEHICLE COMPRISING SAME
<a href="#">WO 2024024211 A1</a>	TOYOTA JIDOSHOKKI KK	WARMING UP SYSTEM FOR BATTERY
<a href="#">WO 2024038739 A1</a>	GS YUASA INT LTD	POWER STORAGE ELEMENT AND METHOD FOR PRODUCING POWER STORAGE ELEMENT
<a href="#">WO 2024053557 A1</a>	NIPPON CATALYTIC CHEM IND	NON-AQUEOUS ELECTROLYTIC SOLUTION AND BATTERY
<a href="#">WO 2024054984 A1</a>	UNIV LELAND STANFORD JUNIOR	FAST-CHARGING OF HYBRID LITHIUM-ION / LITHIUM-METAL ANODES BY NANOSTRUCTURED HARD CARBON FLOWER HOST
<a href="#">WO 2024058337 A1</a>	SK ON CO LTD	BATTERY MODULE AND BATTERY PACK INCLUDING SAME
<a href="#">WO 2024000369 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRIC DEVICE

<a href="#">WO 2024019399 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK, BATTERY MODULE AND VEHICLE INCLUDING SAME
<a href="#">WO 2024043649 A1</a>	LG ENERGY SOLUTION LTD	ELECTROLYTE COMPOSITION AND LITHIUM METAL BATTERY COMPRISING SAME
<a href="#">WO 2024049254 A1</a>	LG ENERGY SOLUTION LTD	ANODE COMPRISING LITHIUM-LANTHANUM ALLOY AND LITHIUM ION SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024053312 A1</a>	TOYOTA JIDOSHOKKI KK	POWER STORAGE DEVICE
<a href="#">WO 2024050697 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY, ELECTRICAL DEVICE, AND TAB SHAPING APPARATUS
<a href="#">WO 2024058633 A1</a>	LG CHEMICAL LTD	METHOD FOR MANUFACTURING SOLID ELECTROLYTE, AND SOLID ELECTROLYTE
<a href="#">WO 2024000393 A1</a>	DOW GLOBAL TECHNOLOGIES LLC	THERMALLY TRIGGERED PRIMER AND THERMOSETTING ADHESIVE MULTILAYER COMPOSITION FOR DETACHMENT OF EV BATTERY PACK
<a href="#">WO 2024011511 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE SLURRY AND PREPARATION METHOD THEREOF, POSITIVE POLE PIECE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRICAL APPARATUS
<a href="#">WO 2024020948 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024035201 A1</a>	LG ENERGY SOLUTION LTD	POSITIVE ELECTRODE, METHOD FOR MANUFACTURING SAME, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024006758 A2</a>	UNIV CALIFORNIA	LI-ION-CONDUCTING POLYMER AND POLYMER-CERAMIC ELECTROLYTES FOR SOLID STATE BATTERIES
<a href="#">WO 2024010364 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK AND METHOD FOR MANUFACTURING BATTERY PACK
<a href="#">WO 2024007319 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POLE PIECE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL APPARATUS
<a href="#">WO 2024020308 A2</a>	CANOO TECH INC	MITIGATING THERMAL RUNAWAY OF LITHIUM-ION BATTERIES
<a href="#">WO 2024020974 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE, SECONDARY BATTERY AND ELECTRIC APPARATUS
<a href="#">WO 2024040525 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY AND ELECTRICAL DEVICE
<a href="#">WO 2024048025 A1</a>	PANASONIC IP MAN CO LTD	ALL-SOLID-STATE BATTERY AND METHOD FOR PRODUCING SAME
<a href="#">WO 2024020880 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SILICON-CARBON COMPOSITE MATERIAL AND PREPARATION METHOD THEREFOR, NEGATIVE ELECTRODE MATERIAL, NEGATIVE ELECTRODE SHEET, ELECTRODE ASSEMBLY, BATTERY, ELECTRIC DEVICE, AND CARBON MATRIX
<a href="#">WO 2024036700 A1</a>	GUANGDONG BRUNP RECYCLING TECHNOLOGY CO LTD	SODIUM-ION BATTERY PRUSSIAN SODIUM POSITIVE ELECTRODE MATERIAL RECOVERY METHOD AND USE THEREOF
<a href="#">WO 2024039240 A1</a>	LG ENERGY SOLUTION LTD	BATTERY EXTERIOR INSPECTION EQUIPMENT
<a href="#">WO 2024043289 A1</a>	IDEMITSU KOSAN CO	POSITIVE ELECTRODE MIXTURE, METHOD FOR MANUFACTURING POSITIVE ELECTRODE MIXTURE, AND LITHIUM-ION BATTERY
<a href="#">WO 2024043660 A1</a>	LG CHEMICAL LTD	ELECTRODE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY
<a href="#">WO 2024024976 A1</a>	IBIDEN CO LTD	BUS BAR, MANUFACTURING METHOD OF SAME, AND POWER STORAGE DEVICE
<a href="#">WO 2024025272 A1</a>	LG ENERGY SOLUTION LTD	METHOD AND DEVICE FOR MANUFACTURING SECONDARY BATTERY, AND SECONDARY BATTERY MANUFACTURED THEREBY
<a href="#">WO 2024036590 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY AND ELECTRIC APPARATUS
<a href="#">WO 2024042915 A1</a>	MURATA MANUFACTURING CO	SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME
<a href="#">WO 2024043626 A1</a>	LG ENERGY SOLUTION LTD	SEPARATOR FOR ELECTROCHEMICAL DEVICE AND ELECTROCHEMICAL DEVICE COMPRISING SAME

<a href="#">WO 2024050657 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	IONIC COMPOUND, ELECTROLYTE, SECONDARY BATTERY AND ELECTRICAL DEVICE
<a href="#">WO 2024016311 A1</a>	TICONA LLC	TEMPERATURE SENSOR FOR BATTERY MODULE
<a href="#">WO 2024021019 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SODIUM-ION BATTERY ELECTROLYTE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRIC DEVICE
<a href="#">WO 2024021020 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE SOLUTION, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL APPARATUS
<a href="#">WO 2024048707 A1</a>	MITSUBISHI CHEM CORP	PARTITION MEMBER, BATTERY PACK AND METHOD FOR PRODUCING SAME
<a href="#">WO 2024045158 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	AMIDE COMPOUND AND PREPARATION METHOD THEREFOR, ELECTRODE SHEET, SECONDARY BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024014942 A1</a>	LG ENERGY SOLUTION LTD	POUCH-TYPE BATTERY CELL, AND METHOD FOR MANUFACTURING SAME
<a href="#">WO 2024039169 A1</a>	LG ENERGY SOLUTION LTD	METHOD FOR SIMULATING CHARGING-DISCHARGING BEHAVIOR OF SECONDARY BATTERY
<a href="#">WO 2024040572 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	WATER-BASED ADHESIVE FOR POSITIVE ELECTRODE SHEET, AND POSITIVE ELECTRODE SHEET MADE BY WATER-BASED ADHESIVE
<a href="#">WO 2024040420 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY AND ELECTRIC APPARATUS
<a href="#">WO 2024049216 A1</a>	LG ENERGY SOLUTION LTD	GAS SUPPRESSION DEVICE AND SUPPRESSION METHOD FOR LITHIUM-SULFUR BATTERY
<a href="#">WO 2024024975 A1</a>	IBIDEN CO LTD	BUS BAR, METHOD FOR PRODUCING SAME, AND POWER STORAGE DEVICE
<a href="#">WO 2024040504 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY, AND PREPARATION METHOD THEREFOR AND ELECTRIC DEVICE COMPRISING SAME
<a href="#">WO 2024019549 A1</a>	LG ENERGY SOLUTION LTD	ELECTRODE ASSEMBLY, BATTERY, AND BATTERY PACK AND VEHICLE COMPRISING SAME
<a href="#">WO 2024025367 A1</a>	LG ENERGY SOLUTION LTD	BATTERY CELL ASSEMBLY INCLUDING THERMISTOR AND MANUFACTURING METHOD THEREFOR
<a href="#">WO 2024037372 A1</a>	HUAWEI TECH CO LTD	BATTERY CELL, BATTERY MODULE, BATTERY, ELECTRONIC DEVICE, MOBILE APPARATUS, AND ENERGY STORAGE APPARATUS
<a href="#">WO 2024040510 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	PREPARATION METHOD FOR SECONDARY BATTERY, SECONDARY BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024014860 A1</a>	LG ENERGY SOLUTION LTD	ELECTRODE TAPE INCLUDING ADHESIVE PORTION HAVING PATTERNS
<a href="#">WO 2024017115 A1</a>	HUAWEI TECH CO LTD	CONTINUOUS ELECTRODE SHEET, BARE CELL, BATTERY, AND ELECTRONIC DEVICE
<a href="#">WO 2024019547 A1</a>	LG ENERGY SOLUTION LTD	BATTERY, AND BATTERY PACK AND VEHICLE COMPRISING SAME
<a href="#">WO 2024042919 A1</a>	PANASONIC IP MAN CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
<a href="#">WO 2024011465 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	POSITIVE ELECTRODE SHEET AND PREPARATION METHOD THEREFOR, BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024019262 A1</a>	SK ON CO LTD	BATTERY CASE, BATTERY, AND METHOD FOR MANUFACTURING BATTERY
<a href="#">WO 2024042537 A1</a>	TVS MOTOR CO LTD	A BATTERY PACK
<a href="#">WO 2024048033 A1</a>	HITACHI HIGH TECH CORP	CAPACITY DETERIORATION ESTIMATION DEVICE
<a href="#">WO 2024044943 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024019539 A1</a>	CJ CHEILJEDANG CORP	COMPOSITION FOR ELECTRODE ACTIVE MATERIAL, AND ELECTRODE AND SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024020775 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024035822 A1</a>	DARAMIC LLC	IMPROVED SEPARATOR FOR REDUCTION OF ACID STRATIFICATION IN A LEAD ACID BATTERY AND IMPROVED BATTERIES CONTAINING SAME

<a href="#">WO 2024048746 A1</a>	TOAGOSEI CO LTD	SOLID ELECTROLYTE, METHOD FOR PRODUCING SAME, AND POWER STORAGE DEVICE
<a href="#">WO 2024048109 A1</a>	MURATA MANUFACTURING CO	SECONDARY BATTERY
<a href="#">WO 2024048320 A1</a>	FUJIFILM CORP	METHOD FOR PRODUCING NONAQUEOUS ELECTROLYTE SECONDARY BATTERY, SLURRY FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERIES, AND NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
<a href="#">WO 2024024628 A1</a>	NIPPON CATALYTIC CHEM IND	METHOD FOR PRODUCING BATTERY CONSTITUENT MATERIAL AND ELECTRODE
<a href="#">WO 2024047853 A1</a>	VEHICLE ENERGY JAPAN INC	NEGATIVE ELECTRODE FOR LITHIUM ION SECONDARY BATTERIES, AND LITHIUM ION SECONDARY BATTERY
<a href="#">WO 2024011563 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL DEVICE
<a href="#">WO 2024020835 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CURRENT COLLECTOR, ELECTRODE SHEET, BATTERY, ELECTRIC DEVICE AND MANUFACTURING METHOD FOR ELECTRODE SHEET
<a href="#">WO 2024020927 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY AND PREPARATION METHOD THEREFOR, AND ELECTRIC DEVICE
<a href="#">WO 2024039057 A1</a>	LG ENERGY SOLUTION LTD	SYSTEM FOR MANAGING BATTERY MANUFACTURING PROCESS AND METHOD FOR OPERATING SAME
<a href="#">WO 2024040472 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRIC APPARATUS
<a href="#">WO 2024045058 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024053979 A1</a>	LG ENERGY SOLUTION LTD	SECONDARY BATTERY
<a href="#">WO 2024042927 A1</a>	MURATA MANUFACTURING CO	SOLID-STATE BATTERY MODULE
<a href="#">WO 2024020992 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY AND PREPARATION METHOD THEREFOR, AND ELECTRIC DEVICE
<a href="#">WO 2024025104 A1</a>	LG ENERGY SOLUTION LTD	CATHOD MATERIAL FOR LITHIUM-SULFUR BATTERY AND LITHIUM-SULFUR BATTERY INCLUDING THE SAME
<a href="#">WO 2024029573 A1</a>	IBIDEN CO LTD	HEAT TRANSFER SUPPRESSION SHEET AND BATTERY PACK
<a href="#">WO 2024043738 A1</a>	SAMSUNG SDI CO LTD	LITHIUM METAL BATTERY AND METHOD FOR MANUFACTURING LITHIUM METAL BATTERY
<a href="#">WO 2024058519 A1</a>	GRAPHENIDE TECH CO LTD	ELECTROLYTE ADDITIVE, AND ELECTROLYTE FOR LITHIUM METAL BATTERY OR LITHIUM-ION BATTERY, COMPRISING SAME
<a href="#">WO 2024000118 A1</a>	DOW SILICONES CORP	BATTERY MODULE WITH POLYORGANOSILOXANE FOAM BARRIER
<a href="#">WO 2024016158 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL END COVER ASSEMBLY, BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024043374 A1</a>	KANGWON NATIONAL UNIV INDUSTRY COOPERATION FOUNDATION	NEGATIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, METHOD FOR PREPARING SAME, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024049233 A1</a>	LG ENERGY SOLUTION LTD	NEGATIVE ACTIVE MATERIAL, METHOD FOR PREPARING SAME, NEGATIVE ELECTRODE COMPOSITION, NEGATIVE ELECTRODE COMPRISING SAME FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY COMPRISING NEGATIVE ELECTRODE
<a href="#">WO 2024025354 A1</a>	THE INDUSTRY & ACADEMIC COOPERATION IN CHUNGNAM NATIONAL UNIV IAC	METHOD FOR MANUFACTURING LITHIUM SECONDARY BATTERY HAVING HIGH-CAPACITY AND HIGH-STABILITY THROUGH MAGNETIC FIELD APPLICATION
<a href="#">WO 2024047499 A1</a>	SEMICONDUCTOR ENERGY LAB	ENERGY STORAGE SYSTEM
<a href="#">WO 2024054861 A1</a>	HARBINGER MOTORS INC	BATTERY MODULES WITH CASTED MODULE ENCLOSURES AND BATTERY PACKS WITH SAFETY FEATURES
<a href="#">WO 2024025377 A1</a>	INZI CONTROLS CO LTD	BATTERY MODULE

<a href="#">WO 2024049086 A1</a>	LG ENERGY SOLUTION LTD	NON-AQUEOUS ELECTROLYTE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024049205 A1</a>	LG CHEMICAL LTD	COMPOSITION
<a href="#">WO 2024048249 A1</a>	SUMITOMO METAL MINING CO	METHOD FOR RECOVERING VALUABLE METAL
<a href="#">WO 2024048117 A1</a>	PANASONIC ENERGY CO LTD	NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
<a href="#">WO 2024053838 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK AND VEHICLE COMPRISING SAME
<a href="#">WO 2024049174 A1</a>	LG ENERGY SOLUTION LTD	ELECTRODE FOR ALL-SOLID-STATE BATTERY
<a href="#">WO 2024011356 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SEPARATOR AND PREPARATION METHOD THEREFOR, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRIC DEVICE
<a href="#">WO 2024021061 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE PLATE AND PREPARATION METHOD THEREFOR, AND RELATED DEVICE
<a href="#">WO 2024049252 A1</a>	LG ENERGY SOLUTION LTD	NEGATIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, METHOD FOR MANUFACTURING SAME, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024049036 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK AND VEHICLE INCLUDING SAME
<a href="#">WO 2024026300 A2</a>	NOHMS TECH INC	FUNCTIONALIZED CROWN ETHERS FOR LITHIUM-ION BATTERIES
<a href="#">WO 2024048999 A1</a>	LG ENERGY SOLUTION LTD	CATHODE MATERIAL FOR LITHIUM-SULFUR BATTERY AND LITHIUM-SULFUR BATTERY INCLUDING SAME
<a href="#">WO 2024049143 A1</a>	LG ENERGY SOLUTION LTD	ANODE FOR SECONDARY BATTERY AND MANUFACTURING METHOD THEREFOR
<a href="#">WO 2024054084 A1</a>	LG ENERGY SOLUTION LTD	MICRO-SMALL CELL ASSEMBLY DEVICE AND ELECTRODE STACK MANUFACTURING METHOD USING SAME
<a href="#">WO 2024020964 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SECONDARY BATTERY, PREPARATION METHOD THEREFOR, AND DEVICE CONTAINING SECONDARY BATTERY
<a href="#">WO 2024015393 A1</a>	PACCAR INC	MODULAR AND SCALABLE BATTERY PACKS HAVING SUB-MODULAR CONSTRUCTION
<a href="#">WO 2024049144 A1</a>	LG ENERGY SOLUTION LTD	SECONDARY STRUCTURE OF CARBON NANOTUBE AND SULFUR-CARBON COMPOSITE COMPRISING SAME
<a href="#">WO 2024049251 A1</a>	LG ENERGY SOLUTION LTD	POSITIVE ELECTRODE AND ELECTROCHEMICAL DEVICE INCLUDING SAME
<a href="#">WO 2024005393 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK
<a href="#">WO 2024020847 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRICAL DEVICE
<a href="#">WO 2024020764 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024019403 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK, AND VEHICLE INCLUDING SAME
<a href="#">WO 2024049006 A1</a>	LG ENERGY SOLUTION LTD	POSITIVE ELECTRODE MATERIAL FOR LITHIUM-SULFUR BATTERY, AND LITHIUM-SULFUR BATTERY INCLUDING SAME
<a href="#">WO 2024028092 A2</a>	VALEO SYSTEMES THERMIQUES	THERMAL REGULATION DEVICE FOR COOLING ELECTRICAL ENERGY STORAGE MEMBERS
<a href="#">WO 2024049097 A1</a>	LG CHEMICAL LTD	COMPOSITE SOLID ELECTROLYTE, METHOD FOR PRODUCING SAME, AND ALL-SOLID-STATE BATTERY INCLUDING SAME
<a href="#">WO 2024042703 A1</a>	SUBARU CORP	VEHICLE BATTERY PACK
<a href="#">WO 2024031519 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	SEPARATOR AND PREPARATION METHOD THEREFOR, AND RELATED SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRIC DEVICE
<a href="#">WO 2024043482 A1</a>	LG ENERGY SOLUTION LTD	NON-AQUEOUS ELECTROLYTE COMPOSITION AND LITHIUM SECONDARY BATTERY COMPRISING SAME
<a href="#">WO 2024043603 A1</a>	SK INNOVATION CO LTD	FLUIDIZED BED REACTOR AND METHOD FOR RECOVERING ACTIVE METAL OF LITHIUM SECONDARY BATTERY USING SAME
<a href="#">WO 2024016153 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY PACK AND ELECTRIC DEVICE

<a href="#">WO 2024021025 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE SHEET, ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY, AND ELECTRIC DEVICE
<a href="#">WO 2024026265 A2</a>	NOHMS TECH INC	MODIFIED DOPO-BASED BATTERY ELECTROLYTES
<a href="#">WO 2024043540 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MODULE AND BATTERY PACK COMPRISING SAME
<a href="#">WO 2024043759 A1</a>	LG ENERGY SOLUTION LTD	ELECTRODE ASSEMBLY AND SECONDARY BATTERY INCLUDING SAME
<a href="#">WO 2024020935 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY PACK AND ELECTRICAL APPARATUS
<a href="#">WO 2024043548 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK WITH ENHANCED FIRE SAFETY
<a href="#">WO 2024043597 A1</a>	LG ENERGY SOLUTION LTD	DEVICE AND METHOD FOR TAPING STACK-TYPE ELECTRODE ASSEMBLY
<a href="#">WO 2024043619 A1</a>	LG ENERGY SOLUTION LTD	LITHIUM SECONDARY BATTERY
<a href="#">WO 2024049212 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK AND VEHICLE COMPRISING SAME
<a href="#">WO 2024005394 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK
<a href="#">WO 2024010332 A1</a>	LG ENERGY SOLUTION LTD	BATTERY MODULE COMPONENT
<a href="#">WO 2024011625 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CONTINUOUS REACTION SYSTEM, MANGANESE IRON OXALATE PRECURSOR, LITHIUM MANGANESE IRON PHOSPHATE, PREPARATION METHOD, AND SECONDARY BATTERY
<a href="#">WO 2024000446 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	TAB IMAGE ACQUISITION DEVICE, SYSTEM, AND METHOD
<a href="#">WO 2024021018 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	UNDERCOAT ADHESIVE FOR DRY-METHOD ELECTRODE AND PREPARATION METHOD THEREFOR, COMPOSITE CURRENT COLLECTOR, BATTERY ELECTRODE PLATE, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND ELECTRIC DEVICE
<a href="#">WO 2024007318 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTROLYTE SOLUTION AND LITHIUM-ION BATTERY COMPRISING SAME
<a href="#">WO 2024019513 A1</a>	LG ENERGY SOLUTION LTD	SECONDARY BATTERY COMPRISING SEAL TAPE
<a href="#">WO 2024011626 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	CONTINUOUS REACTION SYSTEM, FERROMANGANESE PHOSPHATE PRECURSOR AND PREPARATION METHOD THEREFOR, LITHIUM FERROMANGANESE PHOSPHATE, AND SECONDARY BATTERY
<a href="#">WO 2024053878 A1</a>	LG ENERGY SOLUTION LTD	POUCH-TYPE BATTERY CELL AND BATTERY MODULE INCLUDING SAME
<a href="#">WO 2024019402 A1</a>	LG ENERGY SOLUTION LTD	BATTERY PACK AND VEHICLE INCLUDING SAME
<a href="#">WO 2024025255 A1</a>	LG ENERGY SOLUTION LTD	SECONDARY BATTERY WITH ENHANCED SAFETY
<a href="#">WO 2024045126 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BINDER, SEPARATOR AND LITHIUM-ION BATTERY USING SEPARATOR
<a href="#">WO 2024019437 A1</a>	LG ENERGY SOLUTION LTD	CATHODE ACTIVE MATERIAL FOR ALL-SOLID-STATE BATTERIES, AND CATHODE FOR ALL-SOLID-STATE BATTERIES AND ALL-SOLID-STATE BATTERY INCLUDING SAME
<a href="#">WO 2024048877 A1</a>	LG ENERGY SOLUTION LTD	LITHIUM-SULFUR BATTERY ELECTROLYTE AND LITHIUM-SULFUR BATTERY COMPRISING SAME
<a href="#">WO 2024048888 A1</a>	LG ENERGY SOLUTION LTD	CARBON COMPOSITE FOR POSITIVE ELECTRODE OF LITHIUM-SULFUR BATTERY AND MANUFACTURING METHOD THEREOF
<a href="#">WO 2024052188 A1</a>	VOLYTICA DIAGNOSTICS GMBH	COMPUTER PROGRAM AND METHOD FOR ANALYSING INHOMOGENEITIES AND ANOMALY DETECTION AND PREDICTION OF ELECTRICAL ENERGY STORES
<a href="#">WO 2024010357 A1</a>	LG ENERGY SOLUTION LTD	ELECTRODE ASSEMBLY, ELECTRODE ASSEMBLY MANUFACTURING METHOD, SECONDARY BATTERY, BATTERY PACK, AND VEHICLE
<a href="#">WO 2024039133 A1</a>	LG ENERGY SOLUTION LTD	INTER-MODULE BUSBAR INCLUDING FIRE-EXTINGUISHING LIQUID



<a href="#">WO 2024000102 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE SHEET AND PREPARATION METHOD THEREFOR, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRIC DEVICE
<a href="#">WO 2024020934 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY PACK AND ELECTRIC DEVICE
<a href="#">WO 2024048874 A1</a>	LG ENERGY SOLUTION LTD	ELECTROLYTE FOR LITHIUM-SULFUR BATTERY AND LITHIUM-SULFUR BATTERY COMPRISING SAME
<a href="#">WO 2024020821 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	ELECTRODE PLATE AND PREPARATION METHOD THEREFOR, SECONDARY BATTERY AND ELECTRIC DEVICE
<a href="#">WO 2024059051 A2</a>	UNIV KENTUCKY RES FOUND	METHOD FOR RECYCLING THE CRITICAL METALS FROM SPENT LITHIUM- ION BATTERIES
<a href="#">WO 2024000095 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	NEGATIVE ELECTRODE SHEET, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRIC APPARATUS

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## SUPERCONDENSADORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2024046965 A1</a>	AGFA GEVAERT NV	METHOD OF PREPARING A POLYMER CAPACITOR, A CONDUCTIVE POLYMER COMPOSITION, AND IT'S USE AS A CONDUCTIVE LAYER IN AN ELECTRONIC DEVICE
<a href="#">WO 2024057925 A1</a>	GS YUASA INT LTD	NON-AQUEOUS ELECTROLYTE ELECTRIC POWER STORAGE ELEMENT AND ELECTRIC POWER STORAGE DEVICE
<a href="#">WO 2024058126 A1</a>	PIOLAX INC	GAS EXHAUST APPARATUS FOR ENERGY STORAGE DEVICE
<a href="#">WO 2024029333 A1</a>	GS YUASA INT LTD	NON-AQUEOUS ELECTROLYTE POWER STORAGE ELEMENT
<a href="#">WO 2024063371 A1</a>	LS MAT CO LTD	ENERGY STORAGE DEVICE
<a href="#">WO 2024024810 A1</a>	3DC INC	POROUS CARBON MATERIAL, METHOD FOR PRODUCING SAME, AND POWER STORAGE DEVICE USING SAME
<a href="#">WO 2024053362 A1</a>	NISSAN CHEMICAL CORP	COMPOSITION FOR FORMING CONDUCTIVE BINDER LAYER FOR POWER STORAGE DEVICES
<a href="#">WO 2024053231 A1</a>	TOYOTA JIDOSHOKKI KK	ELECTRIC POWER STORAGE MODULE
<a href="#">WO 2024050496 A2</a>	FASTCAP SYSTEMS CORP	ELECTRODES FOR ENERGY STORAGE DEVICES

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## SISTEMAS DE RECUPERACIÓN DE ENERGÍA; FRENOS REGENERATIVOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2024009766 A1</a>	KUBOTA KK	WORK VEHICLE
<a href="#">WO 2024057688 A1</a>	MITSUBISHI MOTORS CORP	HYBRID VEHICLE REGENERATIVE BRAKING SYSTEM
<a href="#">WO 2024056521 A1</a>	ZF CV SYSTEMS GLOBAL GMBH	METHOD OF CONTROL FOR A VEHICLE, COMPUTER PROGRAM AND/OR COMPUTER-READABLE MEDIUM, CONTROLLER, AND VEHICLE, IN PARTICULAR COMMERCIAL VEHICLE
<a href="#">WO 2024009765 A1</a>	KUBOTA KK	WORK VEHICLE
<a href="#">WO 2024031029 A1</a>	REVTERRA CORP	METHODS AND SYSTEMS FOR FLYWHEEL-BASED HIGH-POWER ELECTRIC VEHICLE CHARGING
<a href="#">WO 2024037715 A1</a>	KINETIC POWER LTD	FLYWHEEL-BATTERY HYBRID ENERGY STORAGE SYSTEM

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## MÁQUINAS ELÉCTRICAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2024026521 A1</a>	GK INNOVATION GMBH	ELECTRIC MOTOR, VEHICLE EQUIPPED WITH SAID ELECTRIC MOTOR, AND METHOD FOR OPERATING THE ELECTRIC MOTOR
<a href="#">WO 2024028116 A1</a>	BROSE FAHRZEUGTEILE SE & CO KG WUERZBURG	ELECTROMOTIVE REFRIGERANT COMPRESSOR
<a href="#">WO 2024006697 A1</a>	ATIEVA INC	HIGH VOLTAGE BATTERY SYSTEM WITHOUT STANDALONE PACK ENCLOSURE
<a href="#">WO 2024061395 A1</a>	HANON SYSTEMS EFP DEUTSCHLAND GMBH	DEVICE FOR DIRECTING COOLING AIR TO A MOTOR MOUNT FOR A FAN MOTOR
<a href="#">WO 2024008240 A1</a>	SCHAEFFLER TECHNOLOGIES AG	WIRING ELEMENT, STATOR, ROTOR, METHOD FOR PRODUCING A STATOR, METHOD FOR PRODUCING A ROTOR, AND KIT OF PARTS
<a href="#">WO 2024003064 A1</a>	SOLVAY SPECIALTY POLYMERS USA	ROTOR SLEEVE BASED ON A THERMOPLASTIC COMPOSITE MATERIAL
<a href="#">WO 2024015728 A1</a>	ATIEVA INC	SKEWED ROTOR FOR ELECTRIC MOTOR
<a href="#">WO 2024010743 A1</a>	SAIETTA GROUP PLC	DRIVE ASSEMBLY
<a href="#">WO 2024018273 A1</a>	ALSUBAIE FAHAD	AUTONOMOUS CLEAN ENERGY GENERATOR
<a href="#">WO 2024050301 A1</a>	ATIEVA INC	ELECTRIC MOTOR WITH UNVARNISHED END WINDING FOR STATOR
<a href="#">WO 2024055185 A1</a>	WORLD TREASURE GREEN ENERGY CO LTD	POWER GENERATION SYSTEM AND METHOD
<a href="#">WO 2024023732 A1</a>	SCORCIONI ALESSANDRO	BRUSHLESS ELECTRIC MOTOR
<a href="#">WO 2024047111 A1</a>	CHE MOTOR AG	ELECTROMECHANICAL APPARATUS AND TRANSMISSION UNIT WITH THE ELECTROMECHANICAL APPARATUS AND VEHICLE WITH THE TRANSMISSION UNIT
<a href="#">WO 2024061399 A1</a>	SCHAEFFLER TECHNOLOGIES AG	ROTOR, MANUFACTURING ASSEMBLY FOR PRODUCING A ROTOR, METHOD FOR PRODUCING A ROTOR, AND ELECTRIC MACHINE
<a href="#">WO 2024023533 A1</a>	SAIETTA GROUP PLC	METHOD AND APPARATUS FOR FORMING A COIL PACK
<a href="#">WO 2024067905 A1</a>	SCHAEFFLER TECHNOLOGIES AG	ELECTRIC MACHINE
<a href="#">WO 2024009488 A1</a>	HITACHI INDUSTRIAL PRODUCTS LTD	ELECTRIC VEHICLE
<a href="#">WO 2024047013 A1</a>	BAYERISCHE MOTOREN WERKE AG	LAMINATED CORE FOR AN ELECTRIC MACHINE, IN PARTICULAR OF A MOTOR VEHICLE, ELECTRIC MACHINE, AND MOTOR VEHICLE
<a href="#">WO 2024068663 A1</a>	FELSOMAT GMBH & CO KG	METHOD AND MANUFACTURING FACILITY FOR PRODUCING BAR CONDUCTORS
<a href="#">WO 2024013982 A1</a>	NISSAN MOTOR	ROTOR SHAFT
<a href="#">WO 2024017838 A1</a>	THYSSENKRUPP STEEL EUROPE AG	WEIGHT- AND LOAD-OPTIMIZED HOLLOW ROTOR SHAFT AND METHOD FOR PRODUCING SAME
<a href="#">WO 2024042312 A1</a>	VICTREX MFG LTD	MOTOR WITH POLYMERIC MATERIAL ROTOR AND/OR STATOR SLEEVE
<a href="#">WO 2024034379 A1</a>	NITTO SHINKO CORP	INSULATING SHEET AND MOTOR
<a href="#">WO 2024067918 A1</a>	SCHAEFFLER TECHNOLOGIES AG	ROTOR AND ELECTRIC MACHINE
<a href="#">WO 2024034378 A1</a>	NITTO SHINKO CORP	INSULATING SHEET
<a href="#">WO 2024072810 A1</a>	HOWE & HOWE INC	PROVIDING AMPHIBIOUS, SUBMERSIBLE OPERATION OF AN ELECTRIC VEHICLE
<a href="#">WO 2024068156 A1</a>	VITESCO TECHNOLOGIES GERMANY GMBH	TRACTION DRIVE WITH SLIP RING ASSEMBLY, AND MOTOR VEHICLE
<a href="#">WO 2024035581 A1</a>	SCHAEFFLER TECHNOLOGIES AG	SHIPPING RELEASE MECHANISM FOR ENGINE MOUNTED GENERATOR
<a href="#">WO 2024056629 A1</a>	THYSSENKRUPP STEEL EUROPE AG	STRUCTURE-BORNE-SOUND-INSULATED ELECTRIC MOTOR
<a href="#">WO 2024013929 A1</a>	MITSUBISHI ELECTRIC CORP	PERMANENT MAGNET SYNCHRONOUS ELECTRIC MOTOR
<a href="#">WO 2024063750 A1</a>	WERSHKOWSKYI OLEKSANDR I	ELECTRIC MOTOR OPERATING METHOD
<a href="#">WO 2024035171 A1</a>	AMOTECH CO LTD	DRIVING MOTOR USING BLDC MOTOR, AND SEAT ACTUATOR USING SAME
<a href="#">WO 2024053448 A1</a>	NAKAMATS YOSHIRO	SUPER EV

<a href="#">WO 2024057922 A1</a>	SANDEN CORP	INVERTER-INTEGRATED ELECTRIC COMPRESSOR AND METHOD FOR MANUFACTURING SAME
<a href="#">WO 2024060039 A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED	ELECTRIC MOTOR, STATOR, AND MANUFACTURING METHOD FOR STATOR
<a href="#">WO 2024055169 A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED	ROTOR OF DISC-TYPE ELECTRIC MOTOR, AND DISC-TYPE ELECTRIC MOTOR AND ELECTRIC DEVICE
<a href="#">WO 2024029256 A1</a>	HITACHI INDUSTRY EQUIPMENT SYSTEMS CO LTD	EMBEDDED-MAGNET-TYPE ROTARY ELECTRIC MOTOR AND ELECTRIC DEVICE
<a href="#">WO 2024052206 A1</a>	VOITH PATENT GMBH	ENGINE HAVING COOLING SYSTEM
<a href="#">WO 2024055163 A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED	MOTOR AND ROTOR THEREOF
<a href="#">WO 2024063298 A1</a>	BMC CO LTD	APPARATUS FOR RESIN MOLDING OF ROTOR CORE MAGNET
<a href="#">WO 2024044092 A1</a>	IACOVELLI BENEDETTO	IMPROVED INTRINSICALLY ADAPTING VARIABLE GENERATORS AND MOTORS
<a href="#">WO 2024003822 A1</a>	BOMBARDIER RECREATIONAL PRODUCTS INC	SPACERS FOR MOUNTING A BATTERY PACK TO A SUBFRAME OF AN ELECTRIC SNOWMOBILE
<a href="#">WO 2024040851 A1</a>	CONTEMPORARY AMPEREX INTELLIGENCE TECH SHANGHAI LIMITED	AXIAL FLUX ELECTRIC MOTOR, ELECTRIC EQUIPMENT AND VEHICLE
<a href="#">WO 2024006525 A2</a>	SHUMWAY JEFF A	APPARATUS AND SYSTEM FOR THE PLACEMENT AND MANAGEMENT OF BATTERY PACKS FOR THE PURPOSE OF POWERING ALL-ELECTRIC COMMERCIAL VEHICLES
<a href="#">WO 2024016312 A1</a>	TICONA LLC	IN-WHEEL MOTOR
<a href="#">WO 2024031126 A1</a>	YEOH LIM KELVIN	ELECTRIC VEHICLE MINI POWER STATION GENERATORS, GEARBOX/GEARS AND POWER BOOST SYSTEM (MILITARY AND CIVILIAN)

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## CONVERTIDORES, INVERSORES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2024028022 A1</a>	AMPERE S A S	METHOD FOR CONTROLLING A BIDIRECTIONAL ELECTRICAL CHARGER
<a href="#">WO 2024012743 A1</a>	BOSCH GMBH ROBERT	MONITORING DEVICE AND METHOD FOR MONITORING A REVERSE CONVERTER, REVERSE CONVERTER
<a href="#">WO 2024006530 A1</a>	MICROCHIP TECH INC	PWM TO CONTROL LLC POWER CONVERTER
<a href="#">WO 2024002526 A1</a>	EATON INTELLIGENT POWER LTD	OPTIMIZED START-UP SCHEME FOR ISOLATED CASCADED AC/DC POWER CONVERTERS
<a href="#">WO 2024004346 A1</a>	SOKEN INC	INVERTER CONTROL DEVICE AND PROGRAM
<a href="#">WO 2024013156 A1</a>	YASA LTD	A VOLTAGE CONVERTER AND METHOD OF CONVERTING VOLTAGE
<a href="#">WO 2024004266 A1</a>	mitsubishi heavy ind ltd	POWER CONVERSION DEVICE
<a href="#">WO 2024061636 A1</a>	VALEO EAUTOMOTIVE GERMANY GMBH	DC-LINK CAPACITOR FOR A SWITCHING CELL
<a href="#">WO 2024033001 A1</a>	BAYERISCHE MOTOREN WERKE AG	METHOD FOR DISCHARGING MIDDLE SWITCHES OF A 3-LEVEL INVERTER
<a href="#">WO 2024032998 A1</a>	BAYERISCHE MOTOREN WERKE AG	METHOD FOR EQUALISING THE CENTRE POINT VOLTAGE OF A 3-LEVEL INVERTER
<a href="#">WO 2024012744 A1</a>	BOSCH GMBH ROBERT	DEVICE AND METHOD FOR CONTROLLING THE DISCHARGE OF A DC LINK CAPACITOR
<a href="#">WO 2024005266 A1</a>	HYOSUNG CORP	INITIAL DRIVING DEVICE AND METHOD FOR SOLID-STATE TRANSFORMER
<a href="#">WO 2024030782 A1</a>	CATERPILLAR INC	MODULAR BATTERY FOR AN ELECTRIC WORK VEHICLE
<a href="#">WO 2024068160 A1</a>	SIEMENS AG	COMBINED HIGH-POWER DC-DC CONVERTER
<a href="#">WO 2024069364 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR GATE LEAKAGE DETECTION FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024013779 A1</a>	MITSUBISHI ELECTRIC CORP	SEMICONDUCTOR DRIVING DEVICE AND POWER CONVERSION DEVICE
<a href="#">WO 2024030327 A1</a>	HYLIION INC	POWER DISTRIBUTION SYSTEM AND METHOD FOR ISOLATING BATTERIES FOR UNINTERRUPTED SERVICE
<a href="#">WO 2024036062 A1</a>	KARMA AUTOMOTIVE LLC	ROTOR-WHEELED MOTOR ASSEMBLY WITH INTEGRATED INVERTER AND COOLING DEVICE FOR ELECTRIC VEHICLES
<a href="#">WO 2024050164 A1</a>	ATIEVA INC	STATE OF CHARGE BALANCING IN SPLIT BATTERY SYSTEM
<a href="#">WO 2024069360 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR MULTIPLE OUTPUT INTEGRATED GATE DRIVER FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024013841 A1</a>	HITACHI INDUSTRIAL PRODUCTS LTD	CONTROL UNIT AND MOTOR DRIVE DEVICE FOR ELECTRICALLY DRIVEN VEHICLE, AND ELECTRICALLY DRIVEN VEHICLE
<a href="#">WO 2024023073 A1</a>	ZAHNRADFABRIK FRIEDRICHSHAFEN	PRODUCTION-OPTIMIZED POWER ELECTRONICS FOR A CONVERTER WITH POWER CONNECTIONS WITH TOPSIDE CONTACT LAYOUT
<a href="#">WO 2024068873 A1</a>	VALEO EQUIP ELECTR MOTEUR	POWER MODULE
<a href="#">WO 2024009393 A1</a>	MITSUBISHI HEAVY IND ENGINE & TURBOCHARGER LTD	INVERTER AND ELECTRIC COMPRESSOR
<a href="#">WO 2024017991 A1</a>	ZAHNRADFABRIK FRIEDRICHSHAFEN	MODULAR INTERMEDIATE CIRCUIT CAPACITOR AND POWER CONVERTER COMPRISING SUCH AN INTERMEDIATE CIRCUIT CAPACITOR
<a href="#">WO 2024069426 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR GALVANIC INTERFACE BOND DETECTION FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069455 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR POWER MODULE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024022708 A1</a>	BAYERISCHE MOTOREN WERKE AG	ACTUATING A POWER-ELECTRONICS DC-DC CONVERTER
<a href="#">WO 2024069359 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR ADAPTIVE GATE DRIVER FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024068065 A1</a>	BOSCH GMBH ROBERT	DC VOLTAGE CONVERTER ARRANGEMENT, ELECTRIC VEHICLE AND METHOD FOR OPERATING A DC VOLTAGE CONVERTER ARRANGEMENT

<a href="#">WO 2024069365 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR SENSING TEMPERATURE OF INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069458 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR POWER MODULE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069431 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR SINGLE CHANNEL FAULT ENCODING FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024046614 A1</a>	BOSCH GMBH ROBERT	DEVICE FOR CONTROLLING A VOLTAGE SUPPLY, CONTROL DEVICE FOR AN ELECTRICAL CONVERTER, ELECTRIC DRIVE SYSTEM, AND METHOD FOR CONTROLLING A VOLTAGE SUPPLY
<a href="#">WO 2024068113 A1</a>	BOSCH GMBH ROBERT	DC-DC CONVERTER DEVICE, POWER SUPPLY SYSTEM AND METHOD FOR DISCHARGING A DC LINK CAPACITOR
<a href="#">WO 2024069453 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR POWER MODULE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069450 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR ADAPTIVE GATE DRIVER FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069437 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR DECOUPLING CAPACITOR FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069438 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR POWER MODULE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024037780 A1</a>	VALEO EAUTOMOTIVE GERMANY GMBH	ADAPTIVE FILTER WITH Y CAPACITORS FOR A 3-PHASE DC ON-BOARD ELECTRICAL SYSTEM
<a href="#">WO 2024069363 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR OVERCURRENT DETECTION FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069369 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR BIDIRECTIONAL MESSAGE ARCHITECTURE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069457 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR CONTROLLED ACTIVE DISCHARGE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069449 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR NON-OVERLAP ENFORCEMENT FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024037781 A1</a>	VALEO EAUTOMOTIVE GERMANY GMBH	ADAPTIVE FILTER WITH Y CAPACITORS FOR A 3-PHASE DC ON-BOARD ELECTRICAL SYSTEM
<a href="#">WO 2024069367 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR PARAMETER DRIFT CORRECTION FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069366 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR OPEN GATE DETECTOR FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069400 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR NON-OVERLAP ENFORCEMENT FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069416 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR LOW INDUCTANCE PHASE SWITCH FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069428 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR PHASE SWITCH TIMING CONTROLLER FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024017770 A1</a>	MAGNA POWERTRAIN GMBH & CO KG	MULTI-PHASE POWER CONVERTER CIRCUIT LAYOUT TO MINIMIZE DRIVE LOOP AND POWER LOOP INDUCTANCES
<a href="#">WO 2024034259 A1</a>	HITACHI ASTEMO LTD	MOTOR CONTROL DEVICE AND ELECTRIC VEHICLE SYSTEM
<a href="#">WO 2024068066 A1</a>	BOSCH GMBH ROBERT	DC/DC CONVERTER, ELECTRIC VEHICLE AND METHOD FOR OPERATING A DC/DC CONVERTER
<a href="#">WO 2024069433 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR INTEGRATED GATE DRIVER FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024027935 A1</a>	HUAWEI DIGITAL POWER TECH CO LTD	AC TO DC CONVERTER AND METHOD FOR CONTROLLING THE AC TO DC CONVERTER
<a href="#">WO 2024037782 A1</a>	VALEO EAUTOMOTIVE GERMANY GMBH	FILTER WITH Y CAPACITORS AND VARIABLE DAMPING FOR A 3-PHASE DC ON-BOARD ELECTRICAL SYSTEM
<a href="#">WO 2024069440 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR POWER MODULE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024068440 A1</a>	ZAHNRADFABRIK FRIEDRICHSHAFEN	CIRCUIT ARRANGEMENT FOR POWER SEMICONDUCTORS, AND ACTUATION METHOD
<a href="#">WO 2024069362 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR ADAPTIVE DRIVER FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069432 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR DATA RECORDER FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024022941 A1</a>	BORGWARNER LUXEMBOURG AUTOMOTIVE SYTEMS S A	SYSTEMS AND METHODS FOR BRIDGE MODE TRANSITION AND DYNAMIC SOFT START FOR DC-DC CONVERTER AND BATTERY CHARGER
<a href="#">WO 2024046734 A1</a>	SIEMENS MOBILITY GMBH	ARRANGEMENT FOR DRIVING A RAIL VEHICLE

<a href="#">WO 2024069401 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR THREE CHANNEL GALVANIC ISOLATOR FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069408 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR SPACER FOR POWER MODULE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069451 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR INTEGRATED GATE DRIVER FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024029104 A1</a>	KUBOTA KK	ELECTRIC WORK VEHICLE
<a href="#">WO 2024069429 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR OSCILLATOR CALIBRATOR FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024069459 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR POWER MODULE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024068075 A1</a>	BOSCH GMBH ROBERT	DC VOLTAGE CONVERTER, ELECTRIC VEHICLE AND METHOD FOR OPERATING A DC VOLTAGE CONVERTER
<a href="#">WO 2024069368 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR GALVANIC ISOLATION FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024023872 A1</a>	mitsubishi electric corp	POWER CONVERSION DEVICE
<a href="#">WO 2024069447 A1</a>	DELPHI TECH IP LTD	SYSTEMS AND METHODS FOR ACTIVE DISCHARGE FOR INVERTER FOR ELECTRIC VEHICLE
<a href="#">WO 2024024792 A1</a>	ZEON CORP	DRIVE UNIT
<a href="#">WO 2024018813 A1</a>	SOKEN INC	ELECTRIC POWER CONVERSION DEVICE AND CONTROL PROGRAM
<a href="#">WO 2024053241 A1</a>	ROHM CO LTD	DC/DC CONVERTER AND SEMICONDUCTOR DEVICE
<a href="#">WO 2024050781 A1</a>	SIEMENS AG	CONVERTER PARAMETER DETERMINATION METHOD, CONTROL METHOD, COMPUTING DEVICE AND STORAGE MEDIUM
<a href="#">WO 2024057913 A1</a>	SANDEN CORP	POWER CONVERSION DEVICE
<a href="#">WO 2024024355 A1</a>	SANDEN CORP	COMMON MODE COIL, INVERTER DEVICE, AND ELECTRIC COMPRESSOR
<a href="#">WO 2024038748 A1</a>	SANDEN CORP	POWER CONVERSION DEVICE
<a href="#">WO 2024057598 A1</a>	HITACHI POWER SEMICONDUCTOR DEVICE LTD	GATE DRIVE CIRCUIT FOR SEMICONDUCTOR SWITCHING ELEMENT, ELECTRIC MOTOR CONTROL SYSTEM, AND SEMICONDUCTOR DEVICE
<a href="#">WO 2024045271 A1</a>	CRRC ZHUZHOU ELECTRIC LOCOMOTIVE RES INSTITUTE CO LTD	ELECTRIC DRIVE SYSTEM, METHOD, APPARATUS, STORAGE MEDIUM, ELECTRONIC DEVICE, AND ELECTRIC VEHICLE
<a href="#">WO 2024059679 A1</a>	NOCO CO	PORTABLE POWER DEVICE FOR AN ELECTRICAL VEHICLE
<a href="#">WO 2024018612 A1</a>	mitsubishi electric corp	SEMICONDUCTOR DEVICE AND POWER CONVERSION DEVICE
<a href="#">WO 2024053461 A1</a>	DENSO CORP	ELECTRIC POWER CONVERSION DEVICE AND PROGRAM
<a href="#">WO 2024003753 A1</a>	BOMBARDIER RECREATIONAL PRODUCTS INC	BATTERY PACK FOR AN ELECTRIC VEHICLE
<a href="#">WO 2024053376 A1</a>	OMRON TATEISI ELECTRONICS CO	WIRELESS POWER TRANSMISSION SYSTEM, WIRELESS POWER-TRANSMITTING CIRCUIT, AND WIRELESS POWER-RECEIVING CIRCUIT
<a href="#">WO 2024048052 A1</a>	HITACHI ASTEMO LTD	POWER CONVERSION DEVICE
<a href="#">WO 2024048371 A1</a>	DENSO CORP	SEMICONDUCTOR DEVICE
<a href="#">WO 2024016059 A1</a>	RELECTRIFY HOLDINGS PTY LTD	ELECTRICAL LINE SELECTOR SYSTEM HAVING MULTIPLE SOURCES
<a href="#">WO 2024044677 A1</a>	VISTEON GLOBAL TECH INC	VARIABLE-PHASE POWER CONVERTER
<a href="#">WO 2024042982 A1</a>	SANDEN CORP	ELECTRIC COMPRESSOR FOR VEHICLE
<a href="#">WO 2024043023 A1</a>	HITACHI ASTEMO LTD	POWER GRID, ELECTRIC VEHICLE, AND POWER CONVERSION DEVICE
<a href="#">WO 2024017769 A2</a>	MAGNA POWERTRAIN GMBH & CO KG	MULTI-PHASE POWER CONVERTER WITH FIXED RESONANT CAPACITOR AND SWITCH-CONTROLLED CAPACITOR
<a href="#">WO 2024044297 A2</a>	OHIO STATE INNOVATION FOUNDATION	METHODS AND SYSTEMS FOR CONTROLLING MULTIPHASE ELECTRICAL MACHINES
<a href="#">WO 2024010946 A1</a>	TULA TECHNOLOGY INC	ELECTRIC MACHINE DRIVE CALIBRATION, VERIFICATION, AND EFFICIENCY

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## RECARGA DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2024028693 A1</a>	STELLANTIS EUROPE S P A	SYSTEM FOR CHARGING ELECTRIC VEHICLES
<a href="#">WO 2024002492 A1</a>	VOLVO TRUCK CORP	CHARGING SYSTEM FOR CHARGING A HIGH-VOLTAGE BATTERY OF A VEHICLE AND METHOD OF CONTROLLING THE CHARGING SYSTEM
<a href="#">WO 2024012937 A1</a>	BAYERISCHE MOTOREN WERKE AG	METHOD, DEVICE, COMPUTER PROGRAM, AND COMPUTER-READABLE STORAGE MEDIUM FOR CHARGING AN ENERGY STORAGE DEVICE
<a href="#">WO 2024009239 A1</a>	META SYSTEM SPA	APPLIANCE FOR RECHARGING BATTERIES OF ELECTRIC VEHICLES OR THE LIKE
<a href="#">WO 2024009103 A1</a>	GREENTEC INTERNATIONAL LTD	VOLTAGE-BASED DISCONNECTION OF ELECTRIC VEHICLE SUPPLY EQUIPMENT
<a href="#">WO 2024068628 A1</a>	KIEKERT AG	SYSTEM FOR ELECTRIC AND HYBRID VEHICLES
<a href="#">WO 2024025938 A1</a>	SAUDI ARABIAN OIL CO	METHODS OF CHARGING A HYBRID VEHICLE BATTERY
<a href="#">WO 2024067914 A1</a>	KIEKERT AG	CHARGING CONNECTOR FOR ELECTRIC AND HYBRID VEHICLES
<a href="#">WO 2024017806 A1</a>	MERCEDES BENZ GROUP AG	VEHICLE WITH A HIGH-VOLTAGE ONBOARD ELECTRICAL SYSTEM AND METHOD FOR OPERATING THE HIGH-VOLTAGE ONBOARD ELECTRICAL SYSTEM
<a href="#">WO 2024018123 A1</a>	STELLANTIS AUTO SAS	REMOVABLE VEHICLE HEADLIGHT
<a href="#">WO 2024050438 A1</a>	JOBY AERO INC	CHARGE HANDLE FOR ELECTRICALLY-POWERED VEHICLES
<a href="#">WO 2024057750 A1</a>	SUMITOMO ELECTRIC INDUSTRIES	CHARGER SEARCH DEVICE, CHARGER SEARCH METHOD, AND COMPUTER PROGRAM
<a href="#">WO 2024017562 A1</a>	DAIMLER TRUCK AG	BATTERY ELECTRIC VEHICLE AND METHOD FOR CHARGING
<a href="#">WO 2024018125 A1</a>	STELLANTIS AUTO SAS	REMOVABLE THIRD BRAKE LIGHT FOR A VEHICLE
<a href="#">WO 2024037862 A1</a>	BAYERISCHE MOTOREN WERKE AG	METHOD FOR CHARGING A BATTERY OF AN ELECTRIC VEHICLE, AND ELECTRIC VEHICLE
<a href="#">WO 2024038229 A1</a>	STELLANTIS AUTO SAS	MOTOR VEHICLE HAVING A TRACTION BATTERY CHARGE CABLE INTEGRATED INTO THE BODY
<a href="#">WO 2024055353 A1</a>	SUZHOU YIHANG ELECTRONIC TECH CO LTD	CHARGER TERMINAL STRUCTURE AND RUBBER COATING METHOD
<a href="#">WO 2024033979 A1</a>	SUMITOMO ELECTRIC INDUSTRIES	CHARGING SYSTEM, CHARGING DEVICE, LOCK CONTROL METHOD, AND LOCK CONTROL PROGRAM
<a href="#">WO 2024037709 A1</a>	VOLVO TRUCK CORP	CHARGING SYSTEM FOR A HIGH-VOLTAGE BATTERY OF A VEHICLE AND METHOD FOR CONTROLLING THE CHARGING SYSTEM
<a href="#">WO 2024041777 A1</a>	BOSCH GMBH ROBERT	CHARGING DEVICE, AND METHOD FOR THE OPERATION OF THE CHARGING DEVICE
<a href="#">WO 2024034069 A1</a>	HONDA MOTOR CO LTD	SERVICE SYSTEM
<a href="#">WO 2024035793 A1</a>	MAYMAAN RES INC	COMBINATION GENERATOR AND ALTERNATOR ARRANGEMENTS FOR USE IN DIRECT CURRENT CHARGING OF ELECTRIC VEHICLES
<a href="#">WO 2024023723 A1</a>	DOMETIC SWEDEN AB	BATTERY ASSEMBLY AND METHOD FOR CHARGING A BATTERY ASSEMBLY
<a href="#">WO 2024034326 A1</a>	HITACHI LTD	STORAGE BATTERY SYSTEM, RAIL VEHICLE, DATA SERVER, AND STORAGE BATTERY SYSTEM CONTROL METHOD
<a href="#">WO 2024051884 A1</a>	KIEKERT AG	SYSTEM FOR CHARGING A BATTERY OF AN ELECTRIC OR HYBRID VEHICLE
<a href="#">WO 2024052021 A1</a>	BAYERISCHE MOTOREN WERKE AG	METHOD FOR OPERATING A MOTOR VEHICLE, AND MOTOR VEHICLE
<a href="#">WO 2024046163 A1</a>	BYD CO LTD	BATTERY HEATING DEVICE AND VEHICLE
<a href="#">WO 2024045657 A1</a>	BYD CO LTD	BATTERY SELF-HEATING SYSTEM AND VEHICLE
<a href="#">WO 2024054039 A1</a>	LG ENERGY SOLUTION LTD	BATTERY SWAPPING STATION, CONTROL METHOD FOR SAME, AND BATTERY SWAPPING SYSTEM
<a href="#">WO 2024052017 A1</a>	BAYERISCHE MOTOREN WERKE AG	VEHICLE CHARGING SOCKET AND VEHICLE
<a href="#">WO 2024050574 A1</a>	ALVERI GMBH	METHOD FOR CHARGING A PLURALITY OF ELECTRICALLY DRIVEN MOTOR VEHICLES VIA A COMMON CHARGING STATION

<a href="#">WO 2024011326 A1</a>	MOON SUNG UB	SMART BATTERY BASED ELECTRIC VEHICLE CHARGING SYSTEM WITH MULTIPLE INPUT PORTS AND MULTIPLE OUTPUT PORTS
<a href="#">WO 2024020749 A1</a>	HUAWEI TECH CO LTD	CHARGING METHOD AND APPARATUS, AND MOBILE CARRIER
<a href="#">WO 2024034761 A1</a>	PARK IN SOK	HYBRID ELECTRIC VEHICLE CHARGING SYSTEM
<a href="#">WO 2024038627 A1</a>	KUBOTA KK	ELECTRIC WORK VEHICLE
<a href="#">WO 2024007214 A1</a>	CONTEMPORARY AMPEREX ENERGY SERVICE TECH LIMITED	METHOD AND APPARATUS FOR BATTERY SWAPPING
<a href="#">WO 2024063207 A1</a>	LG ENERGY SOLUTION LTD	DEVICE FOR ESTIMATING CONDITION OF VEHICLE AND OPERATION METHOD THEREOF
<a href="#">WO 2024031179 A1</a>	MOON SUNG UB	SMART POWER SUPPLY FOR ELECTRIC VEHICLE CHARGERS
<a href="#">WO 2024059617 A1</a>	SPARKCHARGE INC	ELECTRIC VEHICLE CHARGING SYSTEMS WITH DOCKING STATIONS
<a href="#">WO 2024003834 A1</a>	BOMBARDIER RECREATIONAL PRODUCTS INC	HEATER FOR A BATTERY PACK OF AN ELECTRIC SNOWMOBILE
<a href="#">WO 2024059620 A1</a>	SPARKCHARGE INC	ELECTRIC VEHICLE CHARGING SYSTEMS WITH SWAPPABLE ENERGY STORAGE UNITS
<a href="#">WO 2024007215 A1</a>	CONTEMPORARY AMPEREX ENERGY SERVICE TECH LIMITED	BATTERY SWAPPING METHOD AND DEVICE
<a href="#">WO 2024054185 A1</a>	TURKIYENIN OTOMOBILI GIRISIM GRUBU SANAYI VE TICARET ANONIM SIRKETI	AN ELECTRIC VEHICLE BATTERY CHARGING SYSTEM
<a href="#">WO 2024038945 A1</a>	S&J SOLUTION CO LTD	HOLDING DEVICE OF POWER MODULE FOR CHARGING
<a href="#">WO 2024002369 A1</a>	AULTON NEW ENERGY AUTOMOBILE TECH CO LTD	BATTERY SWAPPING STATION AND ARRAY-TYPE BATTERY SWAPPING STATION

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## CAMBIO DE BATERÍAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2024062911 A1</a>	MITSUBISHI HEAVY IND LTD	BATTERY EXCHANGE DEVICE, BATTERY EXCHANGE SYSTEM, AND BATTERY EXCHANGE METHOD
<a href="#">WO 2024007276 A1</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	BATTERY SWAPPING METHOD, BATTERY SWAPPING SYSTEM, AND BATTERY SWAPPING STATION
<a href="#">WO 2024054014 A1</a>	LG ENERGY SOLUTION LTD	APPARATUS AND METHOD FOR MANAGING BATTERY
<a href="#">WO 2024063354 A1</a>	HYUNDAI KEFICO CORP	BATTERY SWAP SYSTEM AND METHOD FOR ELECTRIC VEHICLE
<a href="#">WO 2024007212 A1</a>	CONTEMPORARY AMPEREX ENERGY SERVICE TECH LIMITED	METHOD AND APPARATUS FOR BATTERY SWAPPING
<a href="#">WO 2024054008 A1</a>	LG ENERGY SOLUTION LTD	APPARATUS AND METHOD FOR PAIRING BATTERIES

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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**



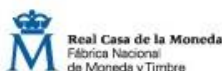
Los ITPs\*\* de la OEPM detectaron solicitudes de patente relevantes cuando estábamos a mitad del proyecto y gracias a ello pudimos reconducir nuestra investigación.



**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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