SECTOR METAL-MECÁNICO

VT 107 vigilancia tecnológica

3er trimestre 2026

NIPO: 220-24-024-3

Desde el primer trimestre de 2021, la Oficina Española de Patentes y Marcas (OEPM) viene colaborando con el Centro Tecnológico Industrial de Castilla-La Mancha (ITECAM) para la realización de los Boletines de Vigilancia Tecnológica en el sector metal-mecánico, en el marco del Convenio firmado entre ambas entidades en junio de 2020 con el objeto de facilitar, impulsar y estimular el conocimiento y la utilización de los derechos de Propiedad Industrial dentro de la asociación.

Itecam, Centro Tecnológico Industrial de Castilla-La Mancha, está constituido como asociación empresarial sin ánimo de lucro, con el objetivo de fomentar la innovación e impulsar la competitividad en las industrias del sector metalmecánico, si bien en los últimos años su actividad se ha orientado también a otras industrias manufactureras, tales como la industria agroalimentaria o las relacionadas con la construcción. Desarrolla una I+D+i aplicada, trabajando en la generación de nuevos productos y servicios, la mejora de los procesos, implantación de tecnologías, la transferencia del conocimiento y la transformación digital.

Según datos estadísticos del INE, en el año 2024 había en España 54.816 empresas en el sector del metal, dando trabajo a 899.283 personas y generando un negocio de 276.394.336 millones de euros, lo que supone casi la tercera parte del total del sector industrial.

La Oficina Española de Patentes y Marcas tiene entre sus objetivos la protección y fomento de la actividad de creación e innovación tecnológica en nuestro país, así como la transmisión de la información sobre propiedad industrial de que dispone para orientar la actividad investigadora, a través de sus servicios de información tecnológica, uno de ellos estos Boletines.

Este boletín, de forma similar a los demás Boletines que viene realizando la OEPM para distintos sectores tecnológicos, recoge con periodicidad trimestral, una selección de las solicitudes de patente publicadas en Estados Unidos, Japón, Corea, Alemania, España, Italia, Noruega, Turquía, Singapur, India, China (aquellas a nombre de: Huawei, Universidad de Tsinghua, Universidad de Shenzhen), así como solicitudes internacionales PCT y de la Oficina Europea de Patentes (EP). También, incluye noticias sobre actividades relevantes de la OEPM.

Las solicitudes de patente incluidas en el Boletín se clasifican en los siguientes apartados: Fundición, Mecanizado, Conformado por deformación, Fabricación aditiva, Pulvimetalurgia, Tecnologías de unión, Tratamientos superficiales. Se puede acceder a las solicitudes de patente para cada grupo, pulsando sobre los apartados que aparecen en el recuadro a continuación. Para cada documento de patente un enlace permite consultar el texto completo del mismo. Si se desea recibir este Boletín periódicamente basta con cumplimentar el correspondiente *formulario de suscripción*

Contenido

- FUNDICION
- MECANIZADO
- CONFORMADO POR DEFORMACIÓN
- FABRICACION ADITIVA
- PULVIMETALURGIA
- TECNOLOGÍAS DE UNIÓN
- TRATAMIENTOS SUPERFICIALES

Fundición

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
EP4768153	FUND AZTERLAN	ES	A gas venting device for vacuum assisted high pressure die casting
US20260192355	GM GLOBAL TECH OPERATIONS LLC	US	Compressible inserts for ingate design in high-pressure die casting
EP4794178	VOLKSWAGEN AG	DE	Die casting tool and method for manufacturing rotor for asynchronous motor
WO2026170244	THIXOTROPIC PISTON INJECTION TECH GMBH	AT	Die casting apparatus for producing a metal molded part by thixomolding
KR20260132988	ILGWANGJUGONG CO. LTD	KR	Evaluation apparatus for fluidity of molten aluminum alloy and evaluation method using thereof
WO2026158205	UNIV SHANGHAI JIAOTONG	CN	Heat-treatment-free high strength and toughness die-cast magnesium alloy and preparation method therefor
WO2026174929	UNIV NANJING AERONAUTICS & ASTRONAUTICS	CN	Composite mold casting method and device for servo cabin of aerospace vehicle
EP4793376	AUDI AG VOLKSWAGEN AG	DE DE	Aluminium alloy for structural casting applications, use of the aluminium alloy for die casting structural components, structural component for a motor vehicle and motor vehicle
EP4772660	MAGNA INT INC	CA	Low cost high ductility cast aluminum alloy
KR20260107764	INDUSTRY ACADEMIC COOPERATION OF GWANGJU UNIV	KR	Die casting mold high precision temperature measurement system
WO2026150634	RYOBI LTD UBE MACHINERY CORP LTD	JP JP	Die casting device
EP4778646	NEMAK SAB DE CV	MX	Low pressure casting method and low pressure casting device
EP4782126	NEMAK SAB DE CV	MX	Low pressure die casting system and method, device and use for testing a function of a riser tube gasket
US20260216573	KARSTEN MFG CORP	US	Multi-material putter head and method of manufacturing same
WO2026162804	ENTEC STRACON GMBH	DE	Method and device for producing a component by means of die casting
EP4790161	SPEIRA GMBH	DE	Aluminum product with high recycling rate for electrical conductors and method of making

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
WO2026168649	GAM CO LTD	KR	Non-heat-treated high-elongation aluminum alloy and aluminum alloy casting excluding copper
WO2026168403	SHIBAURA MACHINE CO LTD	JP	Molding machine, supply device, and program
WO2026173327	LG ELECTRONICS INC	KR	Aluminum alloy and method for manufacturing component by using same
KR20260133465	KOREA AUTOMOBILE RESEARCH INSTITUTE	KR	Molten metal handling device that can prevent oxidation of magnesium molten metal
EP4803227	BUEHLER AG	CH	Device for clamping a diecasting mould
WO2026185781	VEDANTA LTD INDIAN INST TECHNOLOGY KHARAGPUR	IN IN	A high temperature-resistant al-si alloy, and a method of casting the same
US20260273615	DOW TORAY CO LTD	JP	Branched carboxylic acid-modified silicone and release agent composition for die casting containing same
US20260199968	NINGBO LK TECH CO LTD	CN	Magnesium alloy module and dual-module die casting machine

VOLVER A CONTENIDO

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Mecanizado

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
EP4813560	FAGOR ARRASATE S COOP	ES	Laser cutting installation for cutting sheets of a solid material with provision of compensation mechanisms
US20260208255	ACS IND INC	US	Expanding blade for use in manufacturing micro-expanded metal mesh foils and methods of fabricating the same
WO2026194989	SHENZHEN TUOZHU TECH CO LTD	CN	Method for calibrating position of laser head, and processing device
WO2026193593	DESPRES JEAN	CA	Sheet rack for laser cutting system
EP4810187	HGG INT B V	NL	Device for laser cutting elongate work pieces
WO2026178697	QINGDAO SARA EYELASHES CO LTD	CN	Artificial eyelash laser-cutting device and production method
WO2026180290	TRUMPF WERKZEUGMASCHINEN SE CO KG	DE	Method and apparatus for laser cutting a workpiece
KR20260129170	SUN ENG CO LTD	KR	Laser hybrid cutting device combined with oxygen cutting capable of simultaneous cutting of non-oxidizing dissimilar metals
WO2026170443	TRUMPF LASER & SYSTEMTECHNIK SE TRUMPF CHINA CO LTD	DE CN	Laser system and method for laser cutting
WO2026167546	GMI SRL	IT	Method and plant for laser cutting and/or engraving fabrics or hides
US20260232339	UNIV SOUTH FLORIDA	US	Laser-assisted aspiration thrombectomy
WO2026163083	SOLARWINDOW TECH INC	US	Organic photovoltaic module manufacturing
KR20260118225	SAMSUNG ELECTRONICS CO LTD	KR	Laser cutting apparatus
KR20260110295	CHUNG CHIN MAN JEON JONG WON	KR KR	The laser cutting system for double-tube cutting of a CANDU type heavy water reactor calandria tube and pressure tube
US20260192399	APPLIED MATERIALS INC	US	Laser ablation of electrostatic chucks
WO2026147682	WIRTZ MFG CO	US	Manufacture of pasted current collectors for bipolar batteries
WO2026147737	IPG PHOTONICS CORP	US	Laser system and process for machining beam-transparent material
US20260183852	PRIME PLANET ENERGY & SOLUTIONS INC	JP	Method of dismantling electricity storage device and apparatus of cutting electricity storage device

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
WO2026153397	ANDE LASER INTELLIGENT EQUIPMENT GUANGDONG CO LTD	CN	Detachable container-loadable bed and laser cutting apparatus
WO2026188827	SHANGHAI AIRCRAFT MFG CO LTD	CN	Processing device and method for composite material bonding surface
US20260208291	GREENSUN INC	CN	Dust removal laser cutting apparatus
WO2026144607	HUBEI PROVINCE POWER TRANS INTELLIGENT MANUFACTURING INNOVATION CENTER CO LTD	CN	Laser cutting device for metal material processing

VOLVER A CONTENIDO

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Conformado por Deformación

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
KR20260132889	KOOKMIN UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION	KR	Method and apparatus for recommending of multi-stage deep drawing process
WO2026173931	CLEVELAND CLIFFS STEEL PROPERTIES INC	US	Press hardened steel battery tray cross-member with undercut geometry produced by single-stage, multi-cam, stamping die
WO2026170687	ANSTEEL BEIJING RESEARCH INST CO LTD ANGANG STEEL CO LIMITED ANSTEEL GROUP MINING CORPORATION	CN CN CN	Hot stamping process for 1500 mpampa-grade high-strength and high-corrosion-resistant martensitic stainless steel
WO2026192307	HYUNDAI STEEL CO	KR	Hot stamping component and method for manufacturing hot stamping component
WO2026192306	HYUNDAI STEEL CO	KR	Hot stamping component and method for manufacturing hot stamping component
WO2026191239	JFE STEEL CORP	JP	Method for manufacturing formed product
KR20260136843	HYUNDAI STEEL CO	KR	Hot stamping component and method for manufacturing the same
WO2026182439	HYUNDAI STEEL CO	KR	Hot stamping component and hot stamping component manufacturing method
KR20260132117	HYUNDAI STEEL CO	KR	Hot stamping component and method of manufacturing the same
WO2026182660	INTER IKEA SYS BV DAHLIN EDWARD	NL SE	Cooking pot and its manufacture
KR20260127118	HYUNDAI STEEL CO	KR	Hot stamping component and method of manufacturing the same
KR20260126213	HYUNDAI STEEL CO	KR	Hot stamping steel and the method of manufacturing thereof
WO2026168652	HYUNDAI STEEL CO	KR	Hot-stamping steel sheet, hot-stamped component, method for manufacturing hot-stamping steel sheet, and method for manufacturing hot-stamped component
KR20260114070	HYUNDAI STEEL CO	KR	Hot stamping steel hot stamping components and manufacturing method thereof
KR20260114072	HYUNDAI STEEL CO	KR	Hot stamping steel hot stamping components and manufacturing method thereof

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
KR20260114069	HYUNDAI STEEL CO	KR	Hot stamping steel hot stamping components and manufacturing method thereof
KR20260114071	HYUNDAI STEEL CO	KR	Hot stamping steel hot stamping components and manufacturing method thereof
WO2026151049	HYUNDAI STEEL CO	KR	Hot stamping steel, hot stamping component, and method for manufacturing same
KR20260107427	HYUNDAI STEEL CO	KR	Hot stamping component and method of manufacturing the same
EP4806567	HAILIAN JINHUI INTELLIGENT EQUIPMENT QINGDAO CO LTD	CN	Hot stamping die and apparatus

VOLVER A CONTENIDO

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Fabricación Aditiva

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
WO2026178690	UNIV NORTHWESTERN POLYTECHNICAL	CN	A non-contact ultrasonic-assisted laser direct energy deposition device and deposition method
WO2026175449	BAYERISCHE MOTOREN WERKE AG	DE	Assembly for a motor vehicle body, modular system, and method
EP4789800	GE AEROSPACE POLAND SP ZOO GEN ELECTRIC GE AVIO SRL	PL US IT	Additive manufacturing system and method for compression of material
US20260232457	SHENZHEN DAZHOU MEDICAL TECH CO LTD	CN	Intervertebral fusion cage with biomimetic trabecular bone and fully porous structure manufactured by additive manufacturing
US20260233323	RELATIVITY SPACE INC	US	Additively manufactured representative witness coupon techniques
US20260225312	GE AEROSPACE POLAND SP ZOO GEN ELECTRIC GE AVIO SRL	PL US IT	Additive manufacturing systems and methods for compression of material

VOLVER A CONTENIDO

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Pulvimetalurgia

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
EP4782096	ALPHATECH S R L	IT	Process and plant for the production of metal products containing ferrous and/or not ferrous particles, from liquid and/or solid processing waste containing ferrous and/or not ferrous metal particles, and use of said metal products as raw material in steel production
KR20260107999	PIM KOREA CO LTD	KR	Manufacturing method of linear motion guide block using metal powder injection molding method
EP4813549	ABB SCHWEIZ AG	CH	Method of producing a brush
WO2026147871	BEEHIVE IND LLC	US	Production of functionally-graded turbine disks using powder metallurgy and peening

VOLVER A CONTENIDO

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Tecnologías de Unión

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
US20260273661	CORNING INC	US	Fiber preform with weld volumes welding inner preform tubes and an outer preform cladding together, and method of making the same using laser preheating and laser welding steps
US20260264167	GUEHRING KG	DE	Friction stir welding tool
KR20260129781	SAMSUNG SDI CO LTD	KR	Secondary battery ultrasonic welding device ultrasonic welding system and method determining optimal process conditions using the same
US20260241446	UNIV NORTH TEXAS	US	Hybrid cermet sintered body for a friction stir welding (fsw) tool
US20260247587	BORGWARNER INC	US	Systems and methods for dual-side power module cooling system
US20260188866	GM GLOBAL TECH OPERATIONS LLC	US	Method for joining external tabs of anode electrodes to a negative battery tab
US20260200016	UNIV NANCHANG HANGKONG	CN	Regulation layer for dissimilar metal friction welding interface and aluminum-steel friction welding method
US20260284779	ILLINOIS TOOL WORKS	US	Handheld laser welding systems and methods for output validation
US20260284772	KROL ALEXANDER NIKOLAS	US	Tungsten inert gas (tig) welding control unit and welding apparatus using same
US20260290974	TOYOTA MOTOR CO LTD	JP	Battery pack, and electrified vehicle equipped with battery pack
WO2026193037	LINCOLN GLOBAL INC	US	Laser welding torch
US20260273656	TOSHIBA KK	JP	Laser welding apparatus and laser welding method
WO2026192821	CORNING INC	US	Laser welded glass article and method of manufacturing the same using a welding emission with beam waist separated from interface between glass components to be laser welded
US20260273662	CORNING RES & DEV CORP	US	Laser welding of optical fibers to substrates
US20260273671	SHENG DONG LI GUANGZHOU ULTRASONIC ELECTRONIC EQUIPMENT CO LTD	CN	Continuous high-stability high-speed ultrasonic welding automatic production line

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
US20260273664	HONDA MOTOR CO LTD	JP	Method of manufacturing welded structure, and welded structure
WO2026186552	JFE STEEL CORP	JP	Lap laser welded joint and method for manufacturing same
WO2026185148	SIGNIFY HOLDING BV	NL	Lighting device
WO2026186151	HONDA MOTOR CO LTD	JP	Vehicle body skeleton structure and method for manufacturing same
EP4803244	MITSUBISHI ELECTRIC R&D CT EUROPE BV MITSUBISHI ELECTRIC CORP	NL JP	Laser welding method for welding a first copper track on a second copper track
US20260264172	HONDA MOTOR CO LTD	JP	Method of manufacturing vehicle body frame structure
WO2026180032	HESSE GMBH	DE	Laser welding assembly comprising a ventilation device, and method for operating the laser welding assembly
WO2026181545	PANASONIC IP MAN CO LTD	JP	Laser welding method and laser welding device
KR20260125138	STIRWELL TECH	KR	System and method for estimating mechanical strength of friction stir welding for dissimilar materials
WO2026170239	STIRTEC GMBH	AT	Method for connecting components by friction stir welding, device therefor and composite component
US20260241488	HONDA MOTOR CO LTD	JP	Laser welding device and laser welding method
WO2026168145	TOYOTA BOSHOKU KK	JP	Metal plate joined body
US20260233336	NUBURU INC	US	Visible laser welding of electronic packaging, automotive electrics, battery and other components
EP4789808	PRIME PLANET ENERGY & SOLUTIONS INC	JP	Laser welding method and power storage device manufacturing method
US20260225187	PRIME PLANET ENERGY & SOLUTIONS INC	JP	Laser welding method and power storage device manufacturing method
EP4786151	AIRBUS OPERATIONS GMBH	DE	System and method for ultrasonic welding
WO2026160378	ZUIKO CORP	JP	Ultrasonic welding method
WO2026152236	LASERAX INC	CA	Methods and systems for inspecting laser welds connecting battery cells to a current collector
US20260213314	PRIME PLANET ENERGY & SOLUTIONS INC	JP	Method for manufacturing electricity storage device and electricity storage device
US20260206924	KBS CREATIONS CAPOLAVORO GMBH	IN DE	Stretchable jewelry and method of manufacturing the same

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
KR20260113447	SE WON E & I	KR	Friction stir welding method and battery pack cooling block manufacturing method using the same and battery pack cooling block manufactured by the same
WO2026163646	SEIDENSHA ELECTRONICS	JP	Composite oscillation tool horn and ultrasonic welding device using same
KR20260109242	K ROAD ROBOTICS CORP SHIN IN SEUNG	KR	Laser welding compensation system and method
US20260192386	ROFIN SINAR LASER GMBH	DE	Two-step laser welding of metal foil stack to metal substrate
KR20260108662	HANA TECHNOLOGY CO LTD	KR	Laser welding apparatus
US20260192477	DUKANE IAS LLC	US	High stiffness booster with compliant support tabs at node or antinode positions and ultrasonic welding apparatus including same
KR20260107395	INST FOR ADVANCED ENGINEERING	KR	Laser welding apparatus
WO2026141342	AMADA CO LTD	JP	Laser-welding machine, laser-welding method, and machining program creation method
EP4768167	WUHAN XINGHONG OPTOELECTRONIC TECH CO LTD	CN	Multifocal point-ring spot generation system and laser welding method
WO2026145845	SUZHOU EFFICIENT PROFILE INTELLIGENT MFG CO LTD	CN	Method for forming multi-cavity profile by means of rolling and welding
WO2026145799	KINGFA SCIENCE & TECHNOLOGY CO	CN	Polyphenylene sulfide composition, and preparation method therefor and use thereof
US20260241484	SHENZHEN XIN MAO XIN IND CO LTD	CN	Solid-state lidar module, method for packaging solid-state lidar module, and system for packaging solid-state lidar module

VOLVER A CONTENIDO

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Tratamientos Superficiales

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
WO2026192992	APPLIED MATERIALS INC NAT UNIV SINGAPORE	US SG	Methods of depositing silicon-containing dielectric layers for semiconductor devices
US20260265150	AGARWAL ARVIND NISAR AMBREEN LAMA ANIL JOHN DENNY THE FLORIDA INTERNATIONAL UNIVERSITY	US US US US US	Ultra-high-temperature ceramic (uhtc)-containing coatings and methods of depositing the same
EP4793394	THYSSENKRUPP STEEL EUROPE AG	DE	Method for hot dip coating a steel strip
US20260201546	SKYTECH INC	TW	Method for forming carbon film on substrate
KR20260109294	WAVE POWER TECH INC	TW	Reactor for microwave plasma assisted chemical vapor deposition apparatus
WO2026137033	NEWSOUTH INNOVATIONS PTY LTD	AU	An apparatus for perovskite fabrication
WO2026141117	ADEKA CORP	JP	Method for producing aluminum complex, method for producing thin film, and raw material for forming thin film
WO2026198761	LAM RES CORP	US	Trap disk for pulsed laser deposition
EP4810646	VYZK A ZKUSEBNI USTAV PLZEN S R O	CZ	Polymeric component with thermal spray coating and method of its production
WO2026189850	ION BEAM SERVICES	FR	Plasma immersion ion implantation device using liquid or solid precursors without carrier gas
US20260275530	ZENNI OPTICAL INC	US	Eyewear with antibacterial coating
WO2026183548	AIS WSI LLC	US	High velocity thermal spray systems and methods
WO2026180847	ARCELORMITTAL	LU	A process to manage the sn content in an aluminium based liquid bath
WO2026182550	IAC IN NAT UNIV CHUNGNAM KOREA RESEARCH INST OF CHEMICAL TECHNOLOGY	KR KR	Method for manufacturing thin film layer for all-solid-state battery and all-solid-state battery comprising thin film layer manufactured thereby
DE102025107632	FESTO SE & CO KG	DE	Method for process monitoring in plasma coating of substrates and device for plasma coating of substrates

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
US20260258546	ENTEGRIS INC	US	Precursors and methods for depositing metal-containing films
WO2026175889	AIXTRON SE	DE	Apparatus and method for providing a mass flow of a vapour of a liquid or solid starting material for a cvd reactor
US20260250837	TOKYO ELECTRON LTD	JP	Plasma enhanced vapor deposition process and method for forming an elemental antimony film on a substrate
DE102025106648	AIXTRON LTD	GB	Process for depositing thick layers, in particular from GaN on silicon or sapphire
WO2026173117	KOCHI PREFECTURAL PUBLIC UNIV CORPORATION TOYO TANSO CO	JP JP	Jig for chemical vapor deposition, deposition device for chemical vapor film, and deposition method for chemical vapor film
DE102025110585	AIXTRON SE	DE	Apparatus and method for providing a mass flow of a vapor of a liquid or solid feedstock for a CVD reactor
WO2026173212	AP SYSTEMS INC	KR	Thin-film deposition apparatus and thin-film deposition method
WO2026171516	VOLKSWAGEN AG	DE	Method for producing an elastocaloric element for an elastocaloric heat pump
US20260234785	WASHINGTON UNIVERSITY ST LOUIS	US	Nanofabricated patterned mesoscopic circuits on diamond anvils
WO2026163232	CARBORUNDUM UNIVERSAL LTD	IN	Thermal spray powders for abradable coatings; abradable coatings containing graphene and/or graphene oxide and methods of fabricating abradable coatings
DE102025104023	AIXTRON LTD	GB	Device for reducing backflows of gases fed into a process chamber of a CVD reactor
WO2026165138	VITRIVAX INC UNIV COLORADO REGENTS	US US	Compositions and methods for reducing agglomeration of microparticles in coating processes
WO2026163234	CARBORUNDUM UNIVERSAL LTD	IN	Thermal spray powders for erosion resistant cmas coatings, erosion resistant cmas coatings and methods of fabricating the same
US20260226611	APPLIED MATERIALS INC	US	Halide-free co-reactants for ruthenium film deposition
WO2026155753	BULSNANO OOD BG	BG	Synthesis, direct writing, and 3D printing graphene-like nanomaterials using brown's gas plasma torch
WO2026155019	ADEKA CORP	JP	Method for producing bismuth metal thin film and raw material for forming thin film

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
DE102025101444	AIXTRON LTD	GB	Method for controlling radial curves of the surface temperature of elements in the process chamber of a CVD reactor
DE102025101447	AIXTRON LTD	GB	Method for controlling the surface temperature of a screen plate arranged in the process chamber of a CVD reactor
CN122396198	UNIV SHENZHEN POLYTECHNIC	CN	Ozone surface oxidation method for improving hole injection capability of transition metal oxide film, modified transition metal oxide film and optoelectronic device
WO2026146920	TES CO LTD	KR	Chemical vapor deposition apparatus
WO2026145896	SWATCH GROUP RES & DEV LTD	CH	Method for applying a non-halogenated epilame coating by cold-plasma spraying at atmospheric pressure
US20260198277	ASM IP HOLDING BV	NL	Method for filling a via with a metal film
WO2026151608	APPLIED MATERIALS INC	US	Aluminum hydride precursor for aluminum metal ald
WO2026148043	LAM RES CORP	US	Gas flow sequences for molybdenum deposition
WO2026146943	TES CO LTD	KR	Chemical vapor deposition apparatus
WO2026146949	TES CO LTD	KR	Susceptor assembly and metal-organic chemical vapor deposition apparatus
KR20260108037	TES CO LTD	KR	Chemical vapor deposition apparatus
KR20260106934	TES CO LTD	KR	Susceptor and Chemical vapor deposition apparatus
KR20260103221	TES CO LTD	KR	Chemical vapor deposition apparatus
US20260192334	GE PREC HEALTHCARE LLC	US	Acoustic stacks for ultrasound transducers and methods of making the same
WO2026142032	TES CO LTD	KR	Chemical vapor deposition apparatus
WO2026142026	TES CO LTD	KR	Chemical vapor deposition apparatus
WO2026141357	TOAGOSEI CO LTD JAPAN ADVANCED CHEMICALS LTD	JP JP	Film and method for producing same
WO2026141475	TOAGOSEI CO LTD JAPAN ADVANCED CHEMICALS LTD	JP JP	Film and method for producing same
WO2026142142	SK TRI CHEM CO LTD	KR	Novel precursor for forming metal-containing thin film and method for forming metal-containing thin film using same
WO2026141343	JSR CORP	JP	Method for manufacturing semiconductor substrate, method for manufacturing boron-containing film, boron-containing film forming material, and boron-containing compound

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

Nº DE PUBLICACIÓN	SOLICITANTE	PAÍS DEL SOLICITANTE	TÍTULO
US20260185234	ASM IP HOLDING BV	NL	Film forming compositions and methods and systems for forming low dielectric constant films
WO2026138139	ADVANCED MICRO FABRICATION EQUIPMENT INC CHINA	CN	Chemical vapor deposition apparatus
WO2026139666	PICOSUN OY	FI	A modular injection assembly for chemical vapor processing reactors
WO2026139665	PICOSUN OY	FI	An injection assembly and methods for chemical vapor processing reactors
EP4789788	THYSSENKRUPP STEEL EUROPE AG	DE	Method for producing a dressing roller, dressing roller, and method for dressing a hot-dip coated steel strip
EP4789789	THYSSENKRUPP STEEL EUROPE AG	DE	Method for producing a dressing roller, dressing roller, and method for dressing a hot-dip coated steel strip
WO2026186947	SK TRICHEM CO LTD	KR	Group 13 metal precursor, deposition method of metal-containing film using same
WO2026188762	THE HONG KONG UNIV OF SCIENCE AND TECHNOLOGY GUANGZHOU	CN	P-type group iiia metal oxide semiconductor thin film and preparation method therefor
WO2026184669	HAC GENERAL SEMITECH CO LTD	CN	Method for depositing high-quality silicon nitride thin film and system using method
US20260206147	UNIV MING CHI TECHNOLOGY	TW	Method for forming an adhesion buffer layer on the walls of high aspect ratio through-holes of an insulating substrate
WO2026179668	JIANGSU LEADMICRO NANO TECH CO LTD	CN	Ru thin-film deposition process

VOLVER A CONTENIDO

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
itecam
Centro Tecnológico Industrial de Castilla - La Mancha

NOTICIAS

LA OEPM EN LOS CURSOS DE VERANO DE LA UNIVERSIDAD INTERNACIONAL MENÉNDEZ PELAYO 2026.”

La *OEPM* celebró el XX aniversario de su Seminario estival en el marco formativo de la *Universidad Internacional Menéndez Pelayo (UIMP)* con el curso *“Más y mejor propiedad industrial, para más y mejor industria”*, donde se analizaron los casos de éxito de varias empresas españolas, relevantes de importantes sectores, entre los que destacan las telecomunicaciones, las industrias farmacéuticas y biotecnológicas y las energías verdes.



Más información

LA OEPM Y EL CDTI UNEN FUERZAS PARA HACER A LA INDUSTRIA ESPAÑOLA MÁS INNOVADORA Y COMPETITIVA



El *Centro para el Desarrollo Tecnológico y la Innovación (CDTI)* y la *OEPM* han suscrito un nuevo *convenio* de colaboración, lo que constituye una gran noticia para todas las empresas y pymes españolas de base tecnológica que apuestan por la innovación como forma de crecer y marcar la diferencia.

Entre los beneficios aportados por este acuerdo se encuentra la formación por parte de la OEPM de profesionales del CDTI y de beneficiarios de sus programas de ayudas sobre el uso estratégico de la Propiedad Industrial.

Más información

LOS PREMIOS 'EUROPEAN INVENTOR AWARD 2026' DE EPO YA TIENEN GANADORES

La Oficina Europea de Patentes *(EPO),* anunció el pasado 2 de julio los ganadores del 'European Inventor Award 2026', uno de los premios a la innovación más prestigiosos del viejo continente. Los galardonados han sido reconocidos por sus invenciones, que ofrecen soluciones para algunos de los mayores retos de nuestro tiempo. Mejoran la asistencia sanitaria, promueven la transición energética, impulsan una industria alimentaria sostenible y fomentan la economía circular, entre otros muchos ejemplos.



Fuente imagen: Oficina Europea de Patentes

Los ganadores de este año representan una amplia variedad de disciplinas y países. Sus inventos abordan retos que van desde la prevención de la malaria y el trasplante de órganos hasta la integración de las energías renovables, el reciclaje de baterías y la producción sostenible de alimentos.

Más información

LA COOPERACIÓN INTERNACIONAL CONSTRUYE EL FUTURO DEL ECOSISTEMA DE PROPIEDAD INDUSTRIAL



La *OEPM* participó entre los días 7 y 15 de julio en *la 68ª Asamblea de la Organización Mundial de la Propiedad Intelectual (OMPI)*, que reunió a sus 194 estados miembros con el objetivo de tomar decisiones que garanticen el desarrollo económico, social y cultural en todo el mundo a través de la innovación. Con ese fin, se debatió sobre varios de los retos más acuciantes que tenemos por delante, como la transformación digital o el impacto de la inteligencia artificial.

Más información