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Oficina Española  
de Patentes y Marcas

La Oficina Española de Patentes y Marcas tiene como misión impulsar la innovación y compartir sus resultados como valores y activos de diferenciación y desarrollo tecnológico. Por ello sus dos objetivos principales son proteger la innovación tramitando distintos títulos de propiedad industrial y difundir la información técnica contenida en las patentes a través de sus servicios de Información Tecnológica, uno de ellos estos Boletines.

En esta nueva andadura del Boletín de Vigilancia Tecnológica del Sector Transformador Plástico que comenzó el primer trimestre de 2021, se ha reestructurado el contenido del Boletín, intentando reflejar la realidad en propiedad industrial de la Industria del Plástico para hacer llegar a las empresas e investigadores del sector, con periodicidad trimestral, una selección de las patentes más recientemente publicadas en el sector de transformación de los materiales plásticos. Las patentes aparecen clasificadas en los siguientes apartados: nuevos productos en los principales sectores de aplicación, invenciones que

contribuyen al desarrollo sostenible, mejoras de procesos productivos y nuevos materiales plásticos con propiedades avanzadas. No se ha incluido en este Boletín información sobre la tecnología de impresión 3D, ya que ésta aparece recogida en el boletín de Vigilancia Tecnológica Impresión 3D que la OEPM comenzó a publicar en el 2020

A través de las imágenes que representan cada sección y que aparecen en la portada del Boletín, se accede de forma directa a los contenidos de las mismas, donde encontraremos el número de publicación de cada patente, quien la solicita, una pequeña descripción de la invención y el enlace de acceso al texto completo del documento. De forma complementaria, se incluye una selección de noticias sobre propiedad industrial y actividades relevantes de la OEPM.

Si se desea recibir este Boletín periódicamente basta con cumplimentar el correspondiente formulario de suscripción

## Contenido

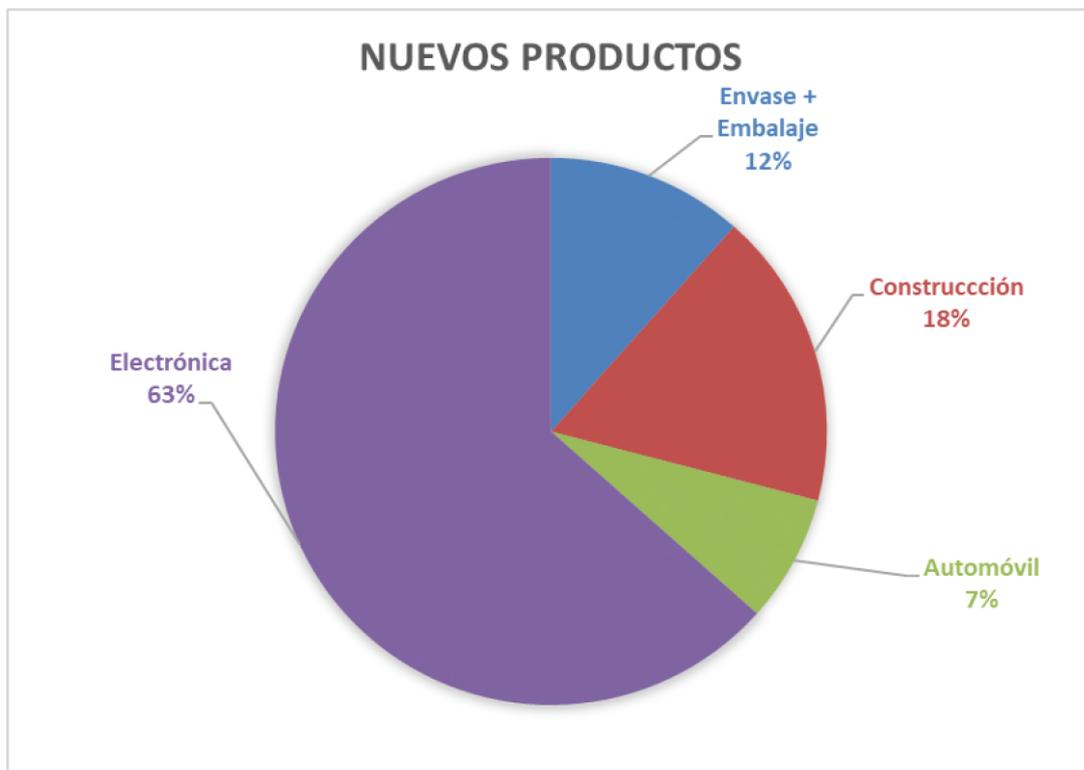


NUEVOS PRODUCTOS

SOSTENIBILIDAD Y  
ECONOMÍA CIRCULARNUEVOS PROCESOS  
INDUSTRIALESMATERIALES CON  
PROPIEDADES AVANZADAS  
O MEJORADAS

# NUEVOS PRODUCTOS

En el siguiente gráfico se muestra la distribución de las 11.935 familias de documentos de patente recuperadas en este trimestre en el apartado de Nuevos Productos. Tal y como viene ocurriendo, el sector dedicado a la electrónica sigue siendo el que más documentos de patente aporta.



Las siguientes tablas muestran una selección de los documentos más representativos, junto con un enlace directo a la base de datos Espacenet, el solicitante y una breve descripción de la invención.

## Envase y Embalaje

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
EP4530215	(VGEN) VAN GENECHTEN PACKAGING N V [BE]	Vacuum skin package for packaging food, has product carrier film, fiber-based packaging base together with adhesively attached product carrier film that is half cut along folding line that is located outside sealing area
US2025108956	(BLUM) BLUMENTHAL KEVIN [US]	Collapsible, lid-attached, food-safe storage container for storing food items in E.G. pantry, has bottom panel whose short side is integrally connected to side of side panel by living hinge, where container is collapsible between configurations
WO2025074210	(GHEL) GHELFI 1905 S R L [IT]	Semi-finished product, has layers are coupled with each other and between contact surfaces is interposed pressure or temperature activatable glue/adhesive layer at portions/areas but which is already pressure or temperature activated of remaining portions
EP4549333	(STOE) STORA ENSO OYJ [FI]	Blank for package I.E. leak-proof container of product, has polymer-based film being positioned on top of first and second paper-based layers and being attached to opposing side wall panels at respective attachment zone extending along intended upper portion
US2025136326	(WOOD) WOODRUFF ERIKA [CA]; WOODRUFF TREVOR [CA]	Aluminum or plastic type cap for sealing alcohol bottle and measuring E.G. specific range-ounce of alcohol for serving to users, has shot cap formed with set of threads for sealing on neck of bottle and formed with tapered wall extending from circular top closed end to circular bottom open end
WO2025090580	(TOTT) TOTTERMAN ALEX [US]; (WHIT) WHITE MATTHEW [GB]	Multi-component container assembled from multiple parts for holding various product forms E.G. liquid, has base that is constructed from two base pieces joined together as double skin with inner and outer base piece, and closure, seal, or dispenser for container
GB2635380	(PATE) ABDUL EBRAHIM PATEL [GB]	In-cup beverage brewing system for holding liquid and for storage as well as providing in-cup brewing in single article, has secondary base wall provided within cup above base wall, and is configured to define brewing material containment volume within which brewing material is temporarily stored

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025104288	(OBRS) OBRIST CLOSURES SWITZERLAND [CH]	Dispensing closure for plastic tube, has base and lid joined together by living hinge arrangement such that lid is movable between open and closed positions, where base comprises coupling surface for welding closure to container
WO2025104399	(SGDS) SGD SA [FR]	Assembly for sterile containers intended to contain E.G. drug administrable by parenteral route for pharmaceutical purpose, has package comprising flexible envelope, which covers frame and containers to immobilize relative to frame
US2025178821	(DYER) DYER ARCTIC CONSULTING LLC [US]	Child-resistant cigarette packaging closure, has inner pipe for slidably moving within outer pipe, and top cap configured to removably mate with first open end of outer pipe for closing first open end of outer pipe
DE102023134626	(MULT) MULTIVAC MARKING & INSPECTION [DE]	Packaging I.E. sustainable packaging for packing food products, has lid part provided with self-adhesive label peeled off carrier tape and with underside provided with adhesive exclusively in regions glued to opposite side walls of packaging base

## Construcción

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025085948	(SWIS) SWISSPEARL OESTERREICH GMBH [AT]	Structural element, preferably fiber cement element E.G. as environmentally-friendly coating for building element comprises E.G. coating composed of first partial layer having first polymer and second partial layer comprising second polymer
WO2025088483	(UNIN) UNILIN BV [BE]	Covering E.G. floor covering, has sealing face that is provided with rigid contact surface formed by first layer and consecutive soft contact surface formed by second layer, where rigid contact surfaces and soft contact surfaces abut each other for coupled edges
WO2025109403	(ZURB) ZURBAN ARQUITECTURA ENGENHARIA E CONSTRUCAO LDA [PT]	Wall with high thermal and acoustic resistance for dividing interior space during construction of building, has metal upright profile that is positioned between lightweight concrete section and expanded polystyrene with graphite section
WO2025122417	(OWEN) OWENS CORNING INTELLECTUAL CAPITAL LLC [US]	Coating composition used to produce coated or impregnated nonwoven mats to construction board comprises polymeric binder and filler having glass particles having milled glass fibers or fiber-having products and inorganic mineral component

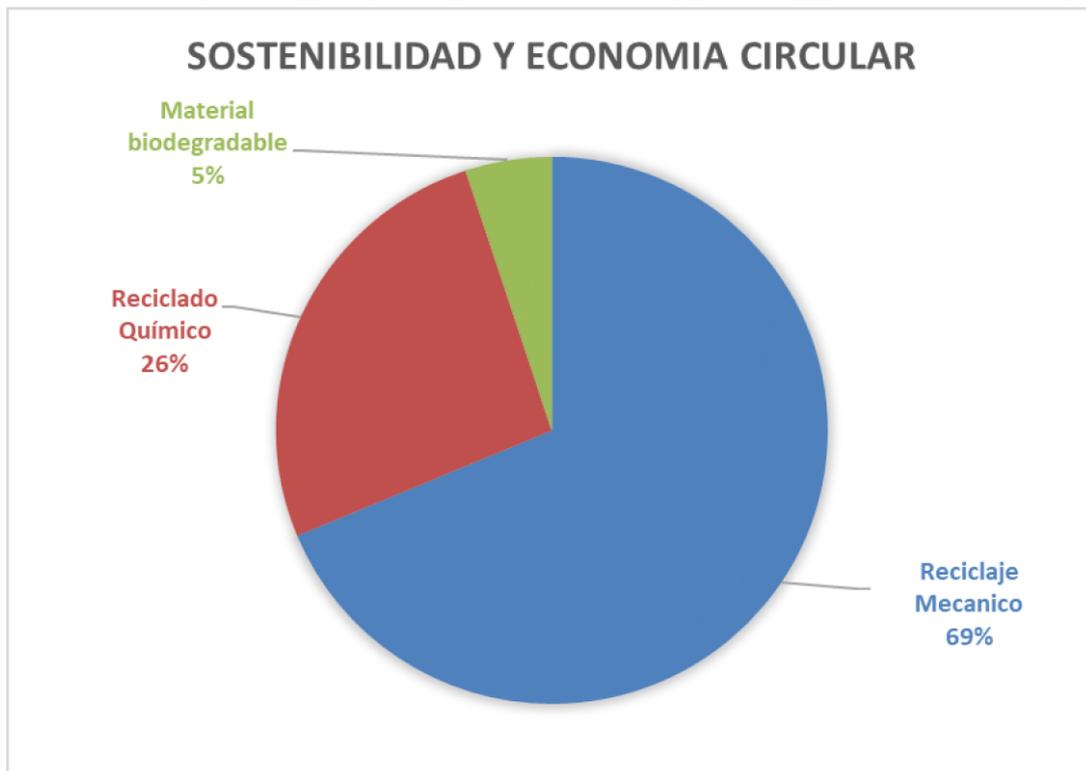
# Automoción

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2025115204	(BETT) BETTS PLATINUM GROUP LLC DBA J TECH [US]; BETTS PLATINUM GROUP PLLC DBA J TECH [US]	Debris moving apparatus for remo+B2+A2:C6+A2:C7+A2:C8+A2:C7
WO2025099329	(THYS) THYSSENKRUPP FEDERN & STABILISATOREN GMBH [DE]; THYSSENKRUPP AG [DE]	Stabilizer clamp for attaching vehicle stabilizer to vehicle, has lateral rib structure and receptacle for stabilizer bearing which are completely demolded laterally, where lateral demolding is formed in axial direction relative to receptacle for stabilizer bearing
WO2025114076	(ATNM) AUTONEUM MAN AG [CH]	Underbody protection element for traction battery of electric vehicle E.G. fully electric vehicle, has impact protection panel that is provided with multiple panel portions each having one side formed by curved surface having concavity that faces electric battery of associated vehicle
WO2025120270	(MICL) MICHELIN & CIE [FR]	Rim for wheel of vehicle E.G. extraterrestrial vehicle, has flange whose truncated cone-shaped section comprises first series of internal grooves extending axially from small diameter end towards large diameter end over length equal to set range of length of generatrix of cone-shaped section
US2025187528	(MBUL) MBULL HOLDINGS LLC [US]	Method for securing cargo in cargo container or semi lorry using dual mode cargo restraint system, involves wrapping first tail of first load restraint strip and second tail of second load restraint strip across major surface of cargo restraint panel
US2025192268	(FORD) FORD GLOBAL TECH LLC [US]	Traction battery pack for powering electric machines and other electrical loads of the vehicle, comprises thermal barrier fin of structural thermal barrier assembly arranged to structurally couple upper enclosure structure

VOLVER A  
CONTENIDO

# SOSTENIBILIDAD Y ECONOMÍA CIRCULAR

En el siguiente gráfico se muestra la distribución de las 1.224 familias de documentos de patente recuperadas en este trimestre en el apartado de Sostenibilidad y Economía Circular. El reciclado mecánico sigue siendo el sector que mayor actividad innovadora presenta.



Las siguientes tablas muestran una selección de los documentos más representativos, junto con un enlace directo a la base de datos Espacenet, el solicitante y una breve descripción de la invención.

## Materiales Biodegradables

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE202025101472	(ALAT, ALHA, BHAT, KHAN, MESA, PRAT, SHAH, UYBR, UYNI, UYPE, UYTA, ZUBA) ALATAWY ROBA [SA]; AL HARRASI AHMED [OM]; BHATIA SAURABH [OM]; KHAN AJMAL [OM]; KHAN TALHA SHIREEN [OM]; MESAIK MOHAMMED AHMED [SA]; PRATAP SINGH ANUBHAV [CA]; SHAH YASIR ABBAS [OM]; UNIV BRITISH COLUMBIA [CA]; UNIV OF NIZWA [OM]; UNIV OF PETROLEUM AND ENERGY STUDIES [IN]; UNIV OF TABUK [SA]; ZUBAIR MOHAMMAD [SA]	Biodegradable sodium alginate-based film composition for active packaging, composition comprises sodium alginate as primary film-forming biopolymer, glycerol as plasticizer to improve flexibility, and Gerania essential oil in amount sufficient to improve antioxidant and hydrophobic properties
DE202025101469	(AJAJ, ALHA, BHAT, HEME, KHAN, PRAT, RAUF, SHAH, UYAB, UYBR, UYNI, UYPE, UYSW, UYTA) ABU DHABI UNIV [AE]; AJAJ RAHAF [AE]; AL HARRASI AHMED [OM]; BHATIA SAURABH [OM]; HEMEG HASSAN ABDULLAH [SA]; KHAN AJMAL [OM]; KHAN TALHA SHIREEN [OM]; PRATAP SINGH ANUBHAV [CA]; RAUF ABDUR [PK]; SHAH YASIR ABBAS [OM]; TAIBAH UNIV [SA]; UNIV BRITISH COLUMBIA [CA]; UNIV OF NIZWA [OM]; UNIV OF PETROLEUM AND ENERGY STUDIES [IN]; UNIV OF SWABI [PK]	Biodegradable chitosan-based antioxidant film composition used for food packaging, comprises chitosan matrix prepared by chitosan solution dissolved in acetic acid, glycerin plasticizer, binary combination of essential oils having basil and calamus essential oil, polyoxyethylene sorbitan monooleate
DE202025101473	(AJAJ, ALHA, AVUL, BHAT, HEME, KHAN, RAUF, SHAH, UYAB, UYNI, UYPE, UYSW, UYTA) ABU DHABI UNIV [AE]; AJAJ RAHAF [AE]; AL HARRASI AHMED [OM]; AVULA SATYA KUMAR [OM]; BHATIA SAURABH [OM]; HEMEG HASSAN ABDULLAH [SA]; KHAN AJMAL [OM]; KHAN TALHA SHIREEN [OM]; RAUF ABDUR [PK]; SHAH YASIR ABBAS [OM]; TAIBAH UNIV [SA]; UNIV OF NIZWA [OM]; UNIV OF PETROLEUM AND ENERGY STUDIES [IN]; UNIV OF SWABI [PK]	Composition of pectin-based polymeric films comprises boswellic acid derivative for improved functionality, comprising, pectin as primary biopolymer matrix, plasticizer to increase flexibility, and 3-O-acetyl-11-keto-beta-boswellic acid analogue, which is dispersed in pectin matrix
WO2025074872	(KANF) KANEKA CORP [JP]	Resin composition used for forming T-die extrusion-molded film and laminate for molded article, comprises poly(3-hydroxyalkanoate) resin, layered clay mineral having preset average particle diameter and specific surface area, and fatty acid amide compound, and has preset melt viscosity

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025075124	(KANF) KANEKA CORP [JP]	Film or sheet molded article for E.G. automobile, is prepared by molding thermoplastic resin composition having preset Elmendorf tear strength and containing thermoplastic resin and crosslinked resin particles containing polyhydroxyalkanoate resin and having preset gel fraction
WO2025075152	(KANF) KANEKA CORP [JP]	Powder or granular material used in thermoplastic resin composition for forming molded article, comprises anti-aggregating agent, and crosslinked resin particles containing polyhydroxyalkanoate-based resin and having preset volume average particle diameter, and has preset median diameter
WO2025075121	(KANF) KANEKA CORP [JP]	Crosslinked resin particles used as modifier in thermoplastic resin composition for forming molded articles, comprise polyhydroxyalkanoate-based resin and plasticizer, and have preset gel fraction, volume average particle size and glass transition temperature
WO2025080158	IAKSHINA OLGA ANATOLEVNA [RU]	Starch-based biodegradable film
JP2025070399	(UYTY) UNIV TOKYO [JP]	Biodegradable polymer composite material for manufacturing containers, packaging, building materials and fishing equipment, comprises substrate containing biodegradable polymer, enzyme supported on substrate and having activity in degrading biodegradable polymer, and coating provided on substrate
KR20250056809	CHOILAB INC [KR]	Method for producing biodegradable vinyl using biochar
WO2025089635	(USEO) SEOUL NAT UNIV R&DB FOUNDATION [KR]	Antibacterial nanostructure used for forming antibacterial nanocomposite, comprises metal ion-containing crown ether structure
KR20250059595	JUNG YOUNG SEUB [KR]	Porous fine powder containing plastic decomposing bacteria and method for producing the same
KR20250063089	NEUROPACK CO LTD [KR]	Biodegradable Film Using Calcium Carbonate extracted from Oyster shell and Manufacturing method thereof
WO2025095108	(KANF, NIIT, UYBK) KANEKA CORP [JP]; UNIV KOBE NAT UNIV CORP [JP]; AIST [JP]	Resin composition used as soil biodegradation promoter for promoting soil biodegradation of polylactic acid, comprises polylactic acid and copolymer polyester of lactic acid and another hydroxycarboxylic acid
WO2025100494	(KURS) KURARAY CO [JP]	Biodegradable polyester resin used in composition for forming molded article, comprises structural unit derived from dicarboxylic acid component containing first dicarboxylic acid component containing compound from aliphatic dicarboxylic acid and structural unit derived from aliphatic diol component
KR20250070796	UNIV NAT CHONNAM IND FOUND [KR]	- Polymer composite using naturally-derived additives or carboxylate salts
KR20250071167	SK LEAVEO CO LTD [KR]	Biodegradable resin composition biodegradable molded article comprising same

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025105018	(KANF) KANEKA CORP [JP]	Poly(3-hydroxyalkanoate)-based fiber resin composition used for producing fibers, comprises poly(3-hydroxyalkanoate)-based resins having preset weight-average molecular weights
KR20250072635	MAYGREEN CO LTD [KR]	Biodegradable functional plastic bag and its manufacturing method
KR20250078328	LG CHEM LTD [KR]	Acryl-based copolymer resin composition and molded article
PL447047	POLITECHNIKA LODZKA [PL]; SIEC BADAWCZA LUKASIEWICZ LODZKI INSTYTUT TECH [PL]	Polylactide fibers produced by the alloy method, with accelerated biodegradability and improved strength properties and method of producing them

## Reciclado Mecánico

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2025109285	(ONET) 1307843 B C LTD [CA]	Producing surface devulcanized crumb rubber from waste tire used for producing end-of-life tire compound, involves crumbling waste tires to produce vulcanized crumb rubber, micronizing vulcanized crumb rubber to produce micronized crumb rubber, and applying dose of microwave energy
DE102023126640	(UKAS) UNIV KASSEL KOERPERSCHAFT DES OEFFENTLICHEN RECHTS [DE]	Producing silicone product, involves providing article made of silicone elastomer, crushing article made of silicone elastomer by using crushing device to form bulk, adding bulk to reactive mixture, blending bulk with reactive mixture to form silicone compound, and then processing silicone compound
WO2025072731	(UTON) UNIV HOUSTON SYSTEM [US]	Overhead signage structure for repurposing of decommissioned wind turbine blade, has beam whose first end is fixably coupled to upper end of first vertical post and second end of beam is fixably coupled to upper end of second vertical post, and signs are fixably coupled to beam
WO2025071544	(EQCH) EQUISTAR CHEM LP [US]	Method for sorting polymers E.G. polyolefins, involves providing mixed plastic waste stream comprising portions of tagged polymers comprising polymer and corresponding tag, and identifying tagged polymers using component for detecting tag

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025071516	(UYSA) SAKARYA UENIVERSITESI REKTOERLUEGUE [TR]	Recycling device that collects waste generated during pipe production process in production of glass fiber reinforced pipe used in aviation and maritime transportation industries, has screw shaft mixer tank that is located at end of movement direction of conveyor
WO2025073333	(VSTA) VESTAS WIND SYS AS [DK]	Composite element, E.G. wind turbine blade, has fibers of each fiber mat that are fixated relative to each other by first fixation unit made from first material, and two fiber mats are fixated relative to each other by second fixation unit made from second material
WO2025078786	(JOHO) JOHNSON MATTHEY PLC [GB]	Recycling waste catalyst coated membrane material used in fuel cells and hydrogen producing water electrolyzers, comprises treating material with heated solution comprising acid and oxidant, and leaching iridium from material
US2025122351	(BANG) BANG JAI WOONG [ID]	Producing recyclable ethylene-vinyl acetate (EVA) material from EVA waste involves obtaining recyclable EVA material by extruding EVA waste using first extruder, curing at room temperature, breaking or weakening crosslinking chains by inputting into second heating chamber
WO2025080898	(VALE) VALERIO THOMAS A [US]	Method for separating and recovering materials from mixed feedstock, involves cleaning selected fractions using mechanical methods to remove surface contaminants and unwanted materials, recovering purified materials suitable for processing or recycling
CN119839000	(CHUN) CHUNG WEI TECHNICAL SERVICE CO LTD [TW]	Device for recycling laminar structures I.E. solar cell module, bonded by cured adhesive for obtaining E.G. photovoltaic panels, for solar power generation, has control equipment for controlling transfer device to move holder with laminar structures out of recycling space of barrel
CN119871734	(YOSI) YKK ARCHITECTURAL [JP]	Production of PVC resin composition used for door and window, involves crushing resin molded product, melting crushed material, stirring melt to which solid adsorbent for adsorbing lead ions is added, using adsorbent to adsorb lead ions in melt and separating adsorbent
FI20236186	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY [FI]	Processing of mixed waste used for re-manufacturing of plastic product, involves feeding feed of mixed plastic waste into extrusion process, subjecting plastic melt into melt filtration, and subjecting filtered plastic melt into in-line measurement and pyrolysis
DE202025000941	(COTE) COTESA GMBH [DE]	Use of waste from thermosetting reaction resin with fibers arising during production of bodies consisting of plate-shaped fiber-plastic composites as recycled molding compound

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025093698	(NEVE) PLAXTIL [FR]; (PLAX) NEVEU JEAN MARC [FR]	Method of preparing PLA material loaded with textile fibers for 3D printing, involves adding resin in quantity equivalent in weight to that of textile shred, where resin is polybutylene adipate terephthalate and ground material is made up of fibers with specific whose size
FR3154642	(EXTR) EXTRACTHIVE [FR]	Method for recovering carbon fibers from used hydrogen tank E.G. IV tank for storing hydrogen under pressure for use in heavy goods transport, involves performing pulling process on end of strand to unwind fibers, cleaning and drying unwound strand and rewinding dried strand
FR3154635	(OCAP) OCAPI [FR]	Device for disassembling mattress for recycling purposes, has support surface equipped with edge such that positioning of mattress brings portion of mattress beyond edge for enveloping portion of mattress placed beyond edge
DE102024131839	(SALO) SALOMON SAS [FR]	Manufacture of capsule involves comminuting articles composed of different materials, mixing crushed parts of articles with carrier matrix, and encapsulating comminution particles to be integrated into carrier matrix in form of capsule
WO2025101605	(CROW) CROWN IRON WORKS CO [US]	Recovering polymer material involves providing extrudate formed from article comprising polymer material, contacting extrudate with solvent to form mixture, separating mixture from contacted extrudate, and recovering polymer material from mixture
US2025144847	(NIAG) NIAGARA BOTTLING LLC [US]	Slicing station for dividing closed and sealed bottle assembly into two container portions, has first slicer removing closure from bottle by cutting bottle, and second slicer and third slicer removing label portion from bottle by cutting bottle
AU2024326375	(MELT) MELTIX LTD [NZ]	Plastic frictional melting mixer apparatus (FMMA) in manufacture of plastics and products, has rotor that includes tipped region comprising multiple circumferentially and longitudinally spaced apart and offset tips, and feed arrangement to deliver plastic beads/shreds to rotor
DE102025001062	(DAIM) MERCEDES BENZ GROUP AG [DE]	Process for processing thermoplastic recycled plastics for production of high-quality plastic components, such as trim unit for vehicle, involves sorting and cleaning recycled plastic, and mechanically comminuting shredding sorted and cleaned recycled plastic
KR20250068814	SK INNOVATION CO LTD [KR]; SK GEO CENTRIC CO LTD [KR]	Method and system for removing pulverized bumper surface material
WO2025098735	(SABI) SABIC GLOBAL TECHNOLOGIES BV [NL]	Glass fiber reinforced pellet used for producing reinforced article, comprises core that extends in axial direction of pellet and comprising multiple of glass fiber filaments, and polymer sheath comprising polypropylene with preset ash content and melt flow index

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US12305122	(THER) THERMOLYSIS CO LTD [TW]	Recycling composite material comprising base material composited with polymer material involves contacting composite material with water and nitrogen filled in reactor for anaerobic reaction without combustion of carbon into carbon dioxide to reactor
DE102023132759	(PYRU) PYRUM INNOVATIONS INT S A [LU]	Processing of carbon fiber reinforced plastics for recovery of pyrolysis gas and pyrolysis oil from carbon fiber reinforced plastics, involves providing units made of carbon fiber reinforced plastic, inserting carbon fiber reinforced plastic units into first electrically heatable conveyor screw
WO2025114141	(ESSI) ESSILOR INT [FR]	Plastic waste collection apparatus for use with lens manufacturing station for manufacturing E.G. corrective lens for sunglasses, has dispatching unit for receiving material type parameter for each lens manufacturing job
AU2024278590	(NILO) NILO LTD	Production of thermoplastic dispersion used for producing composite board, involves dispersing melted thermoplastic obtained by heating thermoplastic at activation temperature and/or adding metal catalyst, in water under agitation to obtain thermoplastic dispersion comprising thermoplastic particles
US2025187231	BRUECKNER MASCHBAU [DE]	System and method for reprocessing ultra-high molecular weight polymer film offcuts
WO2025122155	(EQCH) EQUISTAR CHEM LP [US]	Recycling of plastic waste used for preparing post-consumer recycled resin, involves tribo-charging particles of plastic waste selected from post-consumer recycle and post-industrial recycle, and separating tribo-charged particles into polyolefin fraction and contaminant fraction
WO2025120553	(CDCS) CDC STUDIO S R L [IT]	Preparation of composite granule from recycled textile material such as garments or furnishings, involves preparing waste textile material, choosing waste textile material, obtaining several portions of fabric having homogeneous quantities to obtain homogeneous mix, feeding to extruder, processing
JP2025092389	(ITRI) IND TECH RES INST [TW]	Degradation solution for decomposing epoxy resin, comprises hydrogen peroxide aqueous solution, organic acid or its anhydride, organic acid containing multiple carboxylic acid groups, and degradation auxiliary agent
US2025187232	IBM [US]	Method for removing color from polymeric materials for chemical recycling
EP4571111	DANFOSS COMMERCIAL COMPRESSORS [FR]; BRAMMING PLAST IND A/S [DK]	An acoustic hood for a compressor and a method of preparing a foam material for forming said acoustic hood
US2025197626	VALEO VISION [FR]	Base component with a bulk molded compound and no base coat

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2025197587	NAN YA PLASTICS CORP [TW]	Preparation method of wear-resistant polyester material
US2025205930	AIRBUS OPERATIONS SLU [ES]	Method to produce a recycled material with preferred orientation of fibres from the multilayer uncured prepreg scrap generated in the manufacturing of aeronautical parts with prepreg material
US2025205931	PROCTER & GAMBLE [US]	Reducing contamination in recycled plastics
WO2025133736	PIOVAN SPA [IT]	Method and apparatus for processing incoherent plastics

## Reciclado Químico

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025078516	(BADI) BASF SE [DE]	Recovery of epsilon-caprolactam used for preparing polymer or polymer product, involves pyrolyzing solid material, to obtain mixture comprising aqueous and organic phases comprising epsilon-caprolactam, isolating epsilon-caprolactam from obtained mixture
EP4541957	(VICT) VICTORIA HOLDCO B V [NL]	Artificial turf monofilament comprises sheath comprising virgin polyolefin polymer, and core comprising recycled polyolefin polymer obtained from recycled artificial turf
WO2025082743	(INSF) IFP ENERGIES NOW [FR]	Treatment of plastic filler in production of purified thermoplastic polymers, involves dissolving filler in solvent, purifying, and separating using gas-liquid separation units operating at preset inlet temperature and pressure to obtain stream of purified thermoplastic polymer and stream of solvent
WO2025083231	(BORA) BOREALIS AG [AT]	Separation of polyolefin such as polypropylene from product stream, involves E.G. separating polyolefin-rich stream from product stream of polyolefin dissolved in n-alkane, or stabilized product stream obtained by optionally adding solution or dispersion of antioxidant and n-alkane to product stream
WO2025082742	(INSF) IFP ENERGIES NOW [FR]; (JEPL) JEPLAN INC [JP]	Method for purifying phthalic ester feedstock involves contacting phthalic ester feedstock with adsorbent to obtain purified phthalic ester effluent, and contacting regeneration fluid with adsorbent to obtain regenerated adsorbent

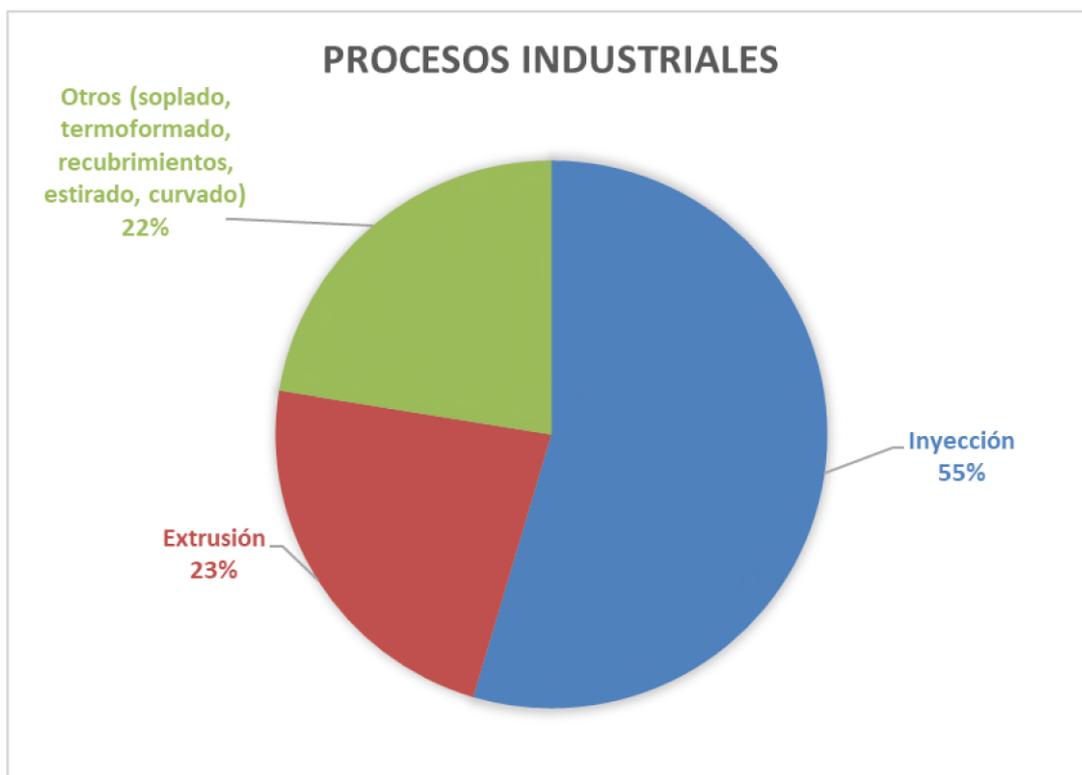
Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025085700	(UNYS) UNIV NEW YORK STATE RES FOUND [US]	Recycling of plastics used for preparing non-halogen-containing product, involves depolymerizing waste plastic stream comprising polyvinyl chloride (PVC) in reactor at temperature below decomposition temperature of PVC and in presence of subcritical or supercritical fluid comprising alcohol
WO2025090016	(SGST) AGENCY SCIENCE TECH & RES [SG]	Production of metal organic framework E.G. Aluminum metal organic framework, involves subjecting aqueous mixture comprising polymeric material capable of being hydrolysed to provide 2,5-furandicarboxylic acid and adding metal salt comprising metal and heating reaction mixture
WO2025090534	(INEO) INEOS COMPOSITES IP LLC [US]	Processing of cured composite made from unsaturated polyester resin involves providing cured composite made from unsaturated polyester resin comprising unsaturated polyester component, and digesting cured composite using alcohols
WO2025087946	(EURE) FUND EURECAT [ES]	New epoxy monomer for epoxy vitrimer used for curable composition used as adhesive, coating and matrix for composite materials
WO2025093482	(POLY) POLYMETRIX AG [CH]	Preparing polyester with repeat unit for starting polyester for solid state polycondensation, modified recycled monomer product, and melt phase polymerization plant, involves providing waste stream comprising polyester with repeat unit, forming blend comprising waste stream and one diol monomer
WO2025099545	(REUS) REUSE S R L [IT]	Devulcanization of sulfur vulcanized elastomers, by preparing aqueous mixture by mixing sulfur vulcanized elastomers and devulcanizing composition and carrying out devulcanization reaction, by subjecting aqueous mixture to a state of stress
WO2025099668	(RHOD) RHODIA BRASIL S A [BR]	Removal of polyurethane fibers from polyamide article used in both textile industry and industrial materials such as hosiery, underwear, sportswear, involves depolymerization of polyurethane fibers carried out by contacting article with solvent
WO2025104059	(MAKE) MAKEEN ENERGY AS [DK]	Hydrocarbon compound mixture used as feedstock for E.G. Steam cracker, has preset cloud point and is transparent in layers in accordance with relevant standard test method for measuring cloud point, obtained by process of converting plastic waste materials into liquid hydrocarbon compound mixtures
WO2025111047	(DOWC) DOW GLOBAL TECHNOLOGIES LLC [US]; (REGC) UNIV CALIFORNIA [US]	Method of recycling polyurethanes, particularly polyurethane foams, using acidolysis to produce polyols products, involves exposing waste polyurethane product to vapor of a reagent and reacting to produce reaction product comprising one or more polyols, polyesters or both

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025111127	(DOWC) DOW SILICONES CORP [US]	High temperature vulcanized silicone rubber material is cured product of curable high temperature vulcanisable silicone rubber composition comprising E.G. Organopolysiloxane polymer and fillers, useful as gaskets, seals and adhesives
WO2025120127	(DGRE) D&G RECYCLING GMBH [DE]	Production of PVC recyclate from PVC-based polymer particles contaminated with phthalates, lead compounds, antimony compounds and/or barium compounds involves establishing particle size of polymer particles, treating with solvent made of acetone, isopropanol and/or ethoxypropanol, and extracting
WO2025120154	(INEO) INOVYN EUROPE LTD [GB]	Manufacture of purified polyvinyl chloride polymer solid used in artificial leather, cable or flooring application, involves providing polyvinyl chloride composition comprising polyvinyl chloride resin and plasticisers, and composition is in form of particles, contacting with solvent, and separating
WO2025132406	SOLVAY SPECIALTY POLYMERS USA [US]; CENTRE NAT RECH SCIENT [FR]	Depolymerization of poly(ethersulfone)
WO2025132915	BASF SE [DE]	Method for removal of an additive from a polymeric material
WO2025133298	BASF SE [DE]	Highly water-efficient process for preparing purified epsilon-caprolactam from polyamide 6

VOLVER A  
CONTENIDO

# NUEVOS PROCESOS INDUSTRIALES

En el siguiente gráfico se muestra la distribución de las 7.500 familias de documentos de patente recuperadas en este trimestre en el apartado de Nuevos procesos industriales. Los procesos que mayor actividad innovadora reflejan son el de inyección y extrusión.



Las siguientes tablas muestran una selección de los documentos más representativos, junto con un enlace directo a la base de datos Espacenet, el solicitante y una breve descripción de la invención.

## Inyección

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
<a href="#">CN119974367</a>	(CANO) CANON KK [JP]	Method for manufacturing article in injection molding apparatus, involves rotating intermediate mold, removing molded article molded in first molding step from intermediate mold, and performing molding with second mold and intermediate mold
<a href="#">CN120116403</a>	(CANO) CANON KK [JP]	Method for manufacturing article, involves separating first plate including first mold insert from first mold for opening first mold and second mold, and moving first mold insert to position, where first molded product and second molded product face each other
<a href="#">CN119795509</a>	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	System for taking out molding product I.E. preform, from mold of injection molding machine, comprises molding machine that includes stationary platen including stationary mold and movable platen including movable mold, and take-out machine for taking out molding product
<a href="#">CN120096020</a>	(CANO) CANON KK [JP]	Method for manufacturing mold element using mold having opposing two molds to mold three molded articles and bonding molded articles with bonding resin I.E. molten resin, involves combining first mold with second mold and performing bonding by pouring bonding resin into bonding shape portion
<a href="#">CN119947009</a>	(LION) LITE ON TECHNOLOGY CORP [TW]	Housing for electronic product, has reinforcing rib arranged on surface of side wall, where reinforcing rib extends along edges of holes, side wall and reinforcing rib are integral structure, and rib does not cover holes
<a href="#">US2025205947</a>	INGLASS SPA [IT]	Method and System for Injection Molding
<a href="#">EP4530041</a>	(IVAR) IVARS S P A [IT]	Mold for injection molding of plastic material for producing integral backs for seats, has threading system for making threaded holes in molded piece, where threaded end portions of shafts are engaged with threaded end portion of another shaft
<a href="#">WO2025076624</a>	(CUBE) CUBE PACKAGING SOLUTIONS INC [CA]	Insert changeover system for injection mold to change branding designation, has mold body including pneumatic pull stock clamp, where pull stock clamps are configured to secure portion of guide pin

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN120096030	(HANG, HYMR, KIAK) HYUNDAI MOTOR CO LTD [KR]; KIA CORP [KR]; HANGUK MOLD CO LTD [KR]	Removable core module for injection mold for hydrogen tank liner being injection-molded for hydrogen electric vehicles, has upper and lower removable cores configured to retain sealless nozzle within injection mold, and induction heater is configured to heat sealless nozzle to second temperature
NL2036341	BESI NETHERLANDS BV [NL]	Clamping system and a method for degassing hydraulic fluid
CN119773167	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Injection molding machine has circuitry that controls measuring step for supplying molding material to second cylinder by advancing first injection element, and retracts second injection element in accordance with advancing of first element
DE202024106928	(PFAF) STEFAN PFAFF WERKZEUG UND FORMENBAU GMBH & CO KG [DE]	Injection molding machine for use in production line for machining profiles and for injection molding partial profiles and end sections, has receiving devices that are arranged on circle around rotation axis, where receiving devices protrude outwards from rotation axis in finger and star like manner
JP2025083670	(SHIH) SEIKO EPSON CORP [JP]	Injection molding device for molding molded item, has support portion swinging in extending direction of hole portion by rotation of rotary plate, and control unit controlling rotation speed of motor according to angle during dispensing processing
CN119773166	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Injection molding machine for use in injection molding machine system, has injection element arranged within cylinder, where molten resin supply device is connected to cylinder to pump molten resin from position closer to proximal end of injection element than to distal end of injection element
CN120023967	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Injection molding machine for use in molten resin supply system used for discharging molten resin from decontamination machine, has movement enabling units allow stand to move independently of injection unit and floor surface in projecting direction of injection portion of injection unit
DE202025102063	(STGS) STG STANZTECHNIK GMBH & CO KG [DE]	Manufacturing system for producing sealing and shrinkage elements from elastomer, has processing device designed to fill a molding tool with a molding compound, and tempering device is designed to heat or cool molding compound injected into molding tool
WO2025119591	(ESSI) ESSILOR INT [FR]	Process for manufacturing ophthalmic or semi-finished lens using injection-molding of thermoplastic material, involves arranging A-side receiver internally provided with bevel along end edge that abuts B-side receiver in cavity assembly
WO2025071631	(OURA) OURA HEALTH OY [FI]	Method for manufacturing wearable ring device, involves performing injection molding process to fill cavity between housing and surface of mold, and coupling outer ring-shaped housing to inner ring-shaped housing, filler material, or both following completion of injection molding process

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN120037540	(HSIN) HSINER CO LTD [TW]	Two-tone molded respiratory mask for use in mold, such as male and female mold, has mask body injection-molded from composition, and buffer element connected to and surrounding mask body, where buffer element has lower hardness
US2025198584	ZKW GROUP GMBH [AT]	Cover Lens, Injection Moulding Process, Injection Mould, Motor Vehicle Light and Motor Vehicle
US2025196412	VALEO VISION [FR]	Mold injection system and methods to prevent superficial melt and color bleed of multi-stack polymeric designs
JP2025075468	(SHIH) SEIKO EPSON CORP [JP]	Maintenance method for discharge unit used in three-dimensional shaping apparatus, involves heating material or plasticized material present in flow path communicating with nozzle hole and through which plasticized material passes, and releasing material or plasticized material from flow path
CN119773171	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Learning model for use in management apparatus for injection molding machine to generate training data based on presence or absence of burrs in molding product using portable terminal device, has intermediate layers connected to input layer
CN119795490	(FIIC) SHENZHEN FULIAN FUGUI PREC INDUSTRY CO LTD [CN]	Injection mold for forming plastic into plastic product, has main ejector rod arranged on main ejection, drive device for lifting central ejection assembly to predetermined position, and central ejector rod for separating injection piece from plastic product
FR3153685	(EADS) AIRBUS OPERATIONS SAS [FR]	Method for manufacturing intermediate resistive membrane with tubular guides for DDOF-type acoustic panel, involves inserting protuberances into one of perforations of substrate prior to or during closing of mold and prior to injection operation
CN119910864	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Monitoring device for product injection molding machine, has detection unit for acquiring data, and determination unit for determining whether abnormality occurred in detection result of detection unit based on value acquired by inference unit
US2025178258	(MOXI) MOXIETEC LLC [US]	Injection molding method for forming polymer components for use in industries that require components with high dimensional precision and unblemished surfaces, such as medical devices, involves actuating shut-off mechanism to move pin into intersection of passageway and flow path
CN120023991	(SHIH) SEIKO EPSON CORP [JP]	Device for inspecting Charpy impact strength of E.G. molded articles obtained by injection molding resin material in injection molding system, has mechanical property estimation section for estimating mechanical property of molded article based on spectral characteristic value

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2025114992	(TWDS) TWD SCIENT LLC [US]	Method for molding plastic weighing funnel using one-piece weighing funnel molding apparatus, involves molding set of weighing funnels, moving lower mold section downward, retracting each lower core from mold cavity, and removing each weighing funnel using robotic arm
CN119910184	(SHIH) SEIKO EPSON CORP [JP]	Mold for injection molding for use in injection molding system, has second mold that moves due to mold opening in mold opening direction, and groove for penetrating mold downward in vertical direction and formed on opposite surface of third mold and fourth mold
WO2025083607	(SPIA) SIPA PROGETTAZIONE AUTOMAZ [IT]	Injection apparatus for injecting molten plastic E.G. polyethylene terephthalate (PET) into mold for molding bottle preforms, has first and second transducers which detect position of spool of first and second spool valve or of piston of first and second cylinder-piston system
US2025210238	NICHIA CORP [JP]	Method for manufacturing magnet unit and magnet unit
CN119820792	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Coupling device for use in molten resin supply system with injection molding machine used to manufacture molded product, has coupling device including removal dissolving unit that removes or dissolves solid foreign matter mixed in molten resin on downstream side of pipe
CN120044892	(KSTL) KISTLER HOLDING AG [CH]	Method for monitoring cyclical manufacturing process I.E. primary forming process, involves automatically providing temporal sequence of sensor data of manufacturing process for cycle which sensor data have effect relationship with stability and anomaly of manufacturing process
CN119773164	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Injection molding machine for injecting a molding material into a mold device by using two cylinders, comprises a first reservoir cylinder and a second reservoir cylinder to which a molten resin is supplied, where first and second injection elements are provided inside the reservoir cylinders
CN119858286	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Learning model a management apparatus for injection molding machine to learn new training data set to properly generate product, has intermediate layers that are connected to input layer, and output layer connected to intermediate layer, where learned model causes computer to function
DE102023128949	(ORAS) ORAS OY [FI]	Method for producing sanitary fitting, involves providing molding die for injection molding of sanitary fitting which defines mold cavity, injecting mold at injection point that die insert is stabilized within mold cavity between support insert and injected mold by pressure force of injected mold

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE102023212197	(BENE) BENECKE KALIKO AG [DE]	Multi-layer composite structure in trim portion of vehicle interior, comprises single-layer or multi-layer upper layer, preferably made of polymeric material, and functional layer with substrate and electrically conductive layer arranged
CN120038910	(SHIH) SEIKO EPSON CORP [JP]	Plasticizing device used in injection molding device of three-dimensional molding device, has charging barrel formed with connecting hole, where distance between side surface and inner wall of concave part different in rotating direction of screw when observing from direction along rotating shaft
CN119910852	(GUEN) GUENTHER HEISSKANALTECHNIK [DE]	Nozzle insert for use in injection molding tool such as multi-cavity tool, has respective secondary channel of set of secondary channels that is used to discharge flowable mass supplied through supply line section from respective nozzle tip of set of nozzle tips
CN119861889	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Information processing system, has acquisition unit for acquiring inference result of information relating to injection molding inferred based on information relating to shot in injection molding and information obtained in shot
US2025187239	YIZUMI PREC MACHINERY SUZHOU CO LTD [CN]; YIZUMI HOLDINGS CO LTD [CN]	Injection molding device and injection molding method for optical element
CN120116411	(TOYT) TOYOTA MOTOR CO LTD [JP]	Metal mold for injection molding for covering side face of battery E.G. lithium-ion battery, with resin for power source for vehicle E.G. electric vehicle, has battery fixed with fixing element by sandwiching first end face and second end face between fixed portion and movable portion
US2025197626	VALEO VISION [FR]	Base component with a bulk molded compound and no base coat
GB2635222	(MEIB) MEIBAN INT PTE LTD [SG]	Apparatus for use in the field of injection molding, has adapter plate on fixed platen with four support pins, where each support pin is attached to individual support pin block on adapter plate, and other adapter plate on movable platen has four bushings
CN119795483	(NIKL) JAPAN STEEL WORKS LTD [JP]	Lateral type vertical injection molding machine for injecting residual resin attached to inner wall of cylinder, has controller for performing acquisition process of obtaining physical quantity detected by sensor during flushing process, and for detecting abnormality of drive apparatus
CH721163	(BECK) BECK AUTOMATION AG [CH]	Method for precisely positioning label in mold cavity of injection mold used in in-mold labeling application, involves expanding deformable core dummy to transfer label to mold cavity, and reshaping expanded core dummy for removal until air gap is formed between label and core dummy
US2025196417	NISSEI PLASTICS IND CO [JP]	Heating control method and heating control apparatus for injection molding machine

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025097048	OURA HEALTH OY [US]	Molding process for wearable ring device
WO2025073840	(SABI) SABIC GLOBAL TECHNOLOGIES BV [NL]	Article E.G. front panel for electrical vehicle, comprises carrier provided at least in portion with coating layer, comprising thermoplastic composition which comprises poly-ethyleneterephthalate, styrene-acrylonitrile copolymer, and (meth)acrylic acid-polybutadiene core-shell copolymers
CN119820776	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Liquid molding material injection molding machine for performing injection process and plasticizing process to produce molded product, has screw including feed unit in which depth of groove is constant from supply port to front side along groove
DE102024134792	(NSSE) NIPPON SEIKI CO LTD [JP]	Reflector holder for supporting reflector rotatably supported on support element about predetermined axis of reflector unit used in display device, such as head-up display, has a pair of shafts fixed along predetermined axis to main portion and supported by support element
WO2025098658	(IFWO) IFW MANFRED OTTE GMBH [AT]	Injection molding tool with multiple cavities for producing molded components from plastic, has mutually adjacent mold inserts whose cavity segments which have moved apart in lateral direction have sub segment spacing increased in comparison to main segment spacing in removal position
CN119928158	(KIMB) KIM BYUNGCHAN [KR]	Joining battery case frame and cooling plate in process of manufacturing electric vehicle battery case, involves filling injection molding space of injection mold and injection portion fixing holes with predetermined injection material and separating electric vehicle battery case from injection mold
WO2025104055	(SNFI) SANOFI SA [FR]	Medical device component E.G. syringe, for setting and dispensing single or multiple doses of liquid medicament, has molded body comprising first molding material comprising cellulose fibers and binder
CN119795516	(FIIC) SHENZHEN FULIAN FUGUI PREC INDUSTRY CO LTD [CN]	Injection molding apparatus used to make plastic to be plastic product, has injection groove, central channel, and multiple cooling channels that are separated from each other, where cooling channels are arranged radially on upper surface and surrounds central channel
EP4575472	TETRA LAVAL HOLDINGS & FINANCE [CH]	Inspection system for a capping machine and method for inspecting closure structures pre-applied on packages containing a pourable product
US2025170764	(TESM) TESLA INC [US]	Pass-through back injection composite mat structure comprises panel having first side and second side and comprising permeable matrix, and feature coupled to panel by injection molded from second side and passing through permeable matrix to the first side

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE102023131388	(PCON) PHOENIX CONTACT GMBH & CO [DE]	Connector housing in casting device, comprises one internal thread for connection to mating thread, where internal thread has one thread turn, and demolding direction of connector housing for demolding from casting device defined by casting process
US2025144861	(CMCA) COMCAST CABLE COMM LLC [US]	Manufacturing housing for an electronic device, involves forming housing of electronic device by overlapping or contacting first end of sheet to second end of sheet; and coupling first end cap and second end cap to shell to define cavity
CN120056340	(ATLP) ATLAS COPCO IAS GMBH [DE]	Device used for treating material, in particular monomer, for polymerization of polyurethane, has material container to treat material, and pumping device has inlet and outlet, where inlet is fluidly connected to material container to provide material at specific pressure
JP2025075266	(SHIH) SEIKO EPSON CORP [JP]	Injection molding device, has injection mold including first mold that is formed with gate aperture through molding material flows and second mold that moves in direction away from first mold by mold opening
US2025198545	HYUNDAI MOTOR CO LTD [KR]; KIA CORP [KR]	Circulation pipe structure and manufacturing method thereof
CN120023990	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Injection molding machine for producing resin, has injection unit for injecting molding material into mold for molded product, and control device for controlling supply of molding material to injection unit
CN119820812	(NIKL) JAPAN STEEL WORKS LTD [JP]	Injection molding machine, has controller for displaying image related to machine on display and changing display position of image based on change instruction that is input by user, where controller displays item of image
US2025115026	(NIMI) NIPPON LIGHT METAL CO [JP]	Method for producing a metal resin composite molded body, involves forming polypropylene resin layer on metal base by coating, and a second step of injection molding polypropylene resin to polypropylene resin-coated metal base to fuse the polypropylene resin layer
CN119852615	(TOYT) PRIME PLANET ENERGY & SOLUTIONS INC [JP]; TOYOTA MOTOR CO LTD [JP]; PRIMEARTH EV ENERGY CO LTD [JP]	Metal resin bonded portion used in power storage device E.G. battery, has resin unit that is configured as surrounding whole circumference to be joined with nano-roughened portion, and filling resin material between metal component and resin component
CN119974443	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Frame for injection molding machine for supporting mold closing/clamping unit that opens and closes mold in horizontal direction, has reinforcing structure that is reinforced to suppress deformation of cross section of support element caused by opening and closing of mold

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
EP4574392	YPSOMED AG [CH]	Core drawing unit for injection molding tool
DK202330315	(JONS) JONSMAN INNOVATION APS [DK]	Injection molding of plastic product used for medical device, involves molding polymer composition of polymer and surfactant at injection temperature in mold, into plastic product, condensing surfactant evaporated from composition, and transferring condensed surfactant as surfactant layer on product
CN120023969	(ANTL) ANTOLIN GRUPO ING SA [ES]	Manufacturing trim panels for vehicles, involves attaching electronic component to electrical conductive pad by fluid dispensing or pad printing
DE102023210818	(LEON) LEONI WIRING SYSTEMS SLOVAKIA SPOL S R O [SK]	Method for attaching grommet to wiring harness in arrangement for sealing cable duct in wall penetrations from wet room to dry room, involves arranging first and second ribs offset from one another with respect to longitudinal direction and bear against line strand
US2025123422	(BANN) BANNER ENG [US]	Lens assembly for use in radar lens system for multiple lenses used in variety of applications E.G. related to radar and FDS devices, has lens base that is constructed of first material, where lens base defines lens interior surface, and ribs are extended axially from lens interior surface
CN119931240	(EPOC) EPOCH CO LTD [JP]	Fusible toy bead used in molded product, comprises water-soluble resin having polyvinyl alcohol as main component and polypropylene, and pigments as colorants, where colors appear on surface in mixed manner without mixing with each other
CN119791372	(YOSI) YKK CORP [JP]	Buckle part, has injection-molded portion, and magnetic body E.G. magnet, secured and embedded in portion, where portion shaped such that body partially exposed in surface region of body, and injection portion includes window that recessed in thickness direction of part
EP4549121	(ITLC) INTEL CORP [US]	Semiconductor workpiece handling system for use in semiconductor industry for upholding Moore's Law, has first and second mold panels that comprise mold cavity configured to surround semiconductor workpiece along side surface of work piece
US2025178259	SEIKO EPSON CORP [JP]	Molding management system
CN119928308	(BOEI) BOEING CO [US]	Method for compression resin transfer infusion to form cavitation bubbles in cured composite part in aerospace industry, involves placing dry preform with thermoplastic veil onto lower mold die, and curing resin-infused preform within infusion and cure tool to form cured composite part
CN119897994	(SUMH) SUMITOMO HEAVY INDUSTRIES [JP]	Injection molding machine has molding unit for injecting molding material from injection unit, and detection unit detects situation regarding object discharged from gap provided in molding units when material is injected

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE102023130228	(WESF) HELLA GMBH & CO KGAA [DE]	Tool for injection molding Fresnel lens used as converging lens in automotive lighting system, has die provided with casting surface and ejector element received in bore of die with casting surface, and ejector axis intersects mold surface orthogonally at its center of gravity
CN119820813	(NIKL) JAPAN STEEL WORKS LTD [JP]	System for monitoring operation of injection molding machine, has terminal apparatus for communicating with server and displaying information from server, where machine transmits data to server at predetermined timing when machine is not performing molding operation
EP4530210	(TCHB) TCHIBO GMBH [DE]	Portion packaging for packaging extraction material for preparation of ground coffee, has wall-forming part comprising pairs of adjoining edges, and injection-molded support structure
WO2025073985	(ROCT) ROCTOOL [FR]	Refill capsule for containing product E.G. spices and intended to be contained in transparent jar for packaging and conditioning product, has internal cavity receiving capsule that encloses container in walls made of thermoplastic material
WO2025120054	(ALPL) ALPLA WERKE ALWIN LEHNER GMBH & CO KG [AT]	Producing shaped body, preferably hollow body, container or closure, involves E.G. adding crystallization nuclei to polyester material to achieve rapid crystallization of polyester, as long as mold body being inside mold
CN120039810	(KROE) KRONES AG [DE]	Method for treating containers provided with container closures, involves attaching container closures to containers, arranging inspection device downstream of closure device in transport direction inspects containers provided with closures
US2025178249	(CHAN) CHANGZHOU CITY CHEN XIN ENVIRONMENTAL PROTECTION TECH CO LTD [CN]	Safety device for hydraulic press, has clamper in clamping state such that two extensions of two tilted swing arms move close to each other in original state, where defining ring of pull stud does not pass across gap of extensions of arms in state
US2025153407	(WALF) WAL FUEL SYSTEMS USA INC [US]	Injection molding system for forming pressure vessel, I.E fuel holding components at elevated pressure of vehicle, has sprue connected to injector and extending between injector and first mold end of mold portion, where runners are connected to sprue and extending radially from axis
EP4541550	(PIOV) PIOVAN SPA [IT]	Circulation system for circulating control fluid for temperature control for molding apparatus, has pumping unit that comprises multi-stage centrifugal pump to circulate control fluid from return line to delivery line
CN119858714	(GERR) GERRESHEIMER VAERLOESE AS [DK]	Primary packaging container E.G. tablet container, for storing pharmaceutical, has interior surface arranged with undercut section, where portion of container main body has average wall thickness of maximally and most preferably in specific range

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN119940754	(SHIH) SEIKO EPSON CORP [JP]	Molding management system for managing production of product by injection molding device, has server connected to terminal device and causing terminal device to display production plan information indicating production plan for designated product in response to operation received from device
US2025107671	(STOV) STOVER CRISTOPHER [US]	Method for manufacturing lightweight plastic shower door enclosure for enclosing shower in E.G. recreational vehicles, involves ejecting mixed, heated, plastic polymer material through adapter and mold as extrudate, and cutting extrudate into dimensions of each part of shower door enclosure
DE102023004385	(NOWO) NOWOFOL KUNSTSTOFFPRODUKTE GMBH & CO KG [DE]	Producing a film from ultra-high molecular weight polyethylene (UHMW-PE) useful as bursting film, involves extruding the provided UHMW-PE into a film using an extruder designed for high shear by combining barrier screw with shearing element and mixing element, and passing film over a cooling roller
CN120134684	(GOOD) GOODYEAR TIRE & RUBBER [US]	Method for manufacturing cord-reinforced elastomer composition band for use as E.G. belt ply, to E.G. non-pneumatic tire, involves holding parallel cords at constant distance relative to one another in second zone
EP4556195	(STEE) STEER ENGINEERING PRIVATE LTD [IN]	Element for a counter-rotating twin screw processor comprises pair of screw shafts, element having axial bore for mounting on screw shaft of pair of screw shafts, element with multiple lobes and defining first outer diameter, second outer diameter, first inner diameter and second inner diameter
CN119897986	(NIKL) JAPAN STEEL WORKS LTD [JP]	Device for manufacturing resin film, has comprises extruder designed to melt resin element is contained there and then extrude molten resin element, and mould connected to extruder and designed to shape molten broth into film shape
WO2025097065	(RWWC) RELIANCE WORLDWIDE CORP [US]	Formation of elongated tubular element for three-layer co-extruded pipe, involves extruding first layer of resin, second layer of resin, and third layer of resin through die head to form elongated tubular element having circular cross-section, and exposing elongated tubular element to infrared lamps
WO2025114111	(MICL) MICHELIN & CIE [FR]	Volumetric pump used for pumping and extruding viscous materials E.G. unvulcanized rubber, has metering unit to operate according to intermediate phase called precompression phase during which metering piston of metering unit pre-compresses viscous material in compression chamber of metering unit

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025076565	(PLAS) PLASMICS GMBH [AT]	Extrusion head for additive manufacturing of shaped component with tubular casing made of ferromagnetic material, has induction coil that is designed in manner of Helmholtz coil with two coil sections arranged at axial distance from one another
WO2025076077	(BERR) BERRY GLOBAL INC [US]	Method for forming multi-layer sidewall of polymeric container, involves forming tube-shaped molten polymer blend within interior of film sheet to provide reduced-density tube while diameter of multi-layer tube is adjusted, and forming reduced-density tube into multi-layer sidewall
WO2025098735	(SABI) SABIC GLOBAL TECHNOLOGIES BV [NL]	Glass fiber reinforced pellet used for producing reinforced article, comprises core that extends in axial direction of pellet and comprising multiple of glass fiber filaments, and polymer sheath comprising polypropylene with preset ash content and melt flow index
WO2025095974	(ADDE) ADDEX INC [US]	Apparatus for cooling molten film tube from blown film die for manufacturing thermoplastic blown films, has divider plate and lower interior surface for defining second lower channel circumscribed around plenum opening, where first upper channel and second lower channel are connected to inlet
US2025121548	ATLANTIC GLOBAL ENTPR INC [US]	Supercritical fluid-assisted polymer extrusion foaming device
EP4534743	(FARE) FARE S P A A SOCIO UNICO [IT]	Apparatus for producing nonwoven fabric for geotextile field, has spinneret for extruding filaments, cooling device arranged below spinneret, mechanical drawing device arranged below cooling device, and collecting device to collect filaments which is arranged below drawing device
WO2025106160	(DOWC) DOW SILICONES CORP [US]	Preparing silicone-polyolefin hybrid material comprises mixing silicone polymer base comprising at least one silicone polymer and/or copolymer having specified Williams plasticity with functionalized polyolefins and reactive compatibilizer
CN119795413	(KOBM) KOBE STEEL LTD [JP]	Start-up method for a resin pellet production device I.E. granulation device for producing resin pellets, involves supplying pellet cooling water stored in water tank to water chamber by pump and filling water chamber before starting production of resin pellets
DE102023210701	(CONW) CONTINENTAL REIFEN DEUTSCHLAND GMBH [DE]	Extrusion template for use in extrusion system of rubber products used in tire production of vehicle, comprises template body that has template recess penetrating along extrusion direction and delimited by circumferential wall surfaces for shaping extrudate

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025114116	(ELAN) ELANTAS GMBH [DE]	Producing poly(amide-imide) polymer by continuous, solvent free process used as magnet wire for coatings, comprises reacting composition of polycarboxylic acid anhydride, and compound having isocyanate functional groups inside extruder
US2025196421	(LREA) LEAR CORP [US]	Tractor conveyor for manufacturing system for making filament mesh structure in seat assembly of E.G. car, has subset of plates with elasticity expand and conform to outer contour of formed product in response to engagement with formed product
US2025198547	SAINT GOBAIN PERFORMANCE PLASTICS CORP [US]	Tube and method for making same
DE102023131452	(WEBE) HANS WEBER MASCHF GMBH [DE]	Controlling and/or regulating operation of manufacturing facility for manufacturing extrusion-based additive of three-dimensional component, involves controlling operation of corresponding production facilities i.e. control and/or regulating device implemented in hardware and/or software
WO2025133246	INDORAMA VENTURES MOBILITY OBERNBURG GMBH [DE]; FAURECIA AUTOSITZE GMBH [DE]	Cushion
CN119773206	(CONW) CONTINENTAL REIFEN DEUTSCHLAND GMBH [DE]	Cooling belt for use in cooling system for cooling E.G. tread of pneumatic tire, has conveyor segments including through-opening that extends perpendicular to direction of movement and forms area of conveyor segment on which articles are received
CN119858376	(CFLH) CFL HOLDING LTD [HK]	Decorative panel I.E. floor, ceiling, building or wall panel, comprises at least one core layer and at least one decorative top layer, in which the core layer comprises at least one structural core and at least one balancing core components
WO2025136910	EASTMAN CHEM CO [US]	Polymer extrusion process using vented extruder
EP4549494	(GLDS) LG ELECTRONICS INC [KR]	Composite sheet used for home appliance, comprising matrix including base resin containing thermoplastic material, and multiple of chips including waste materials having irregular shapes, and coupled to matrix, where multiple of chips are partially exposed to outer surface of composite sheet
EP4574374	TRIFILON AB [SE]	Ultrasonic dispersion
US2025153627	(GUAN) HUANG LI [CN]; (HUAN) GUANGZHOU DINGDIAN TECH CO LTD [CN]	Automotive protective mat comprises mat body comprising two elastic layers and composite reinforcement layer, where composite reinforcement layer is located between two elastic layers, and elastic layers and composite reinforcement layer are laminated
US2025178261	FAURECIA AUTOSITZE GMBH [DE]; INDORAMA VENTURES MOBILITY OBERNBURG GMBH [DE]	Method and device for producing a cushion material and cushion material

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025093698	(NEVE) PLAXTIL [FR]; (PLAX) NEVEU JEAN MARC [FR]	Method of preparing PLA material loaded with textile fibers for 3D printing, involves adding resin in quantity equivalent in weight to that of textile shred, where resin is polybutylene adipate terephthalate and ground material is made up of fibers with specific whose size
WO2025090916	(MASI) MASSACHUSETTS INST TECHNOLOGY [US]	Synthesis of resin for manufacturing liquid crystal elastomer fibers, involves mixing mesogen and reaction inhibitor, baking in container until mixture is melted, mixing joining molecule and vinyl cross-linker, baking, mixing photoinitiator and chemical initiator, and centrifuging
CN119824558	(CECC) FLII CECCATO MILANO S R L [IT]	Tube, E.G., pack of tube used for multirow coaxial melt-blown system, comprises development axis and closed inner surface that extends around development axis and defines mutually identical profiles arranged one after other along development axis, and profile defined on sectional plane
DE102023130214	(CITE) CITEX HOLDING GMBH [DE]	Ultrasound measuring device for measuring extruded products I.E. pipes in extrusion line, has controller device that is provided for activating sensors and receiving measuring signals from sensors, where sensors are arranged in relation to one another
CN120020397	(SKFK) SKF AB [SE]; SKF CHINA CO LTD [CN]	Damping pad for wire race bearing in medical imaging devices E.G. computerized tomography (CT) machines, has reinforcing fiber thread that is provided with lower elongation rate and higher tensile strength relative to damping pad
US2025115733	TECHNOLOGICAL UNIV OF THE SHANNON MIDLANDS MIDWEST [IE]	Polyester Depolymerisation
WO2025114198	(BADI) BASF SE [DE]	Method for monitoring and controlling a production process of plastic article/component for E.G. bottles, involves generating adjusted production data, and providing adjusted data based on input materials as signified by digital identifiers
WO2025071512	UNIV OZYGIN [TR]	A system for extrusion of non-newtonian fluids by controlling their mass flow rate
DE102023127678	(DEL) DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	Method for creating local discharge characteristic of extrusion device I.E. single-screw extrusion system, involves dispensing the printable material by controlling the motor such that the extrusion screw has a constant rotational speed
FI20236186	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY [FI]	Processing of mixed waste used for re-manufacturing of plastic product, involves feeding feed of mixed plastic waste into extrusion process, subjecting plastic melt into melt filtration, and subjecting filtered plastic melt into in-line measurement and pyrolysis

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025071515	(UYS) SAKARYA UENIVERSITESI REKTOERLUEGUE [TR]	Extrusion machine has second load cell which is in compression zone where polymer is melted and delivered to measurement zone, and third load cell is in measurement zone for distributing molten plastic material into mold depending on volume and pressure
WO2025099315	(VLAA) VITO NV [BE]	Method for extruding paste material through set of nozzles by extrusion printing system, involves selecting minimum gap distance based on size of particles within used paste material, where minimum gap distance is chosen

## Extrusión

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2025107671	(STOV) STOVER CRISTOPHER [US]	Method for manufacturing lightweight plastic shower door enclosure for enclosing shower in E.G. recreational vehicles, involves ejecting mixed, heated, plastic polymer material through adapter and mold as extrudate, and cutting extrudate into dimensions of each part of shower door enclosure
DE102023004385	(NOWO) NOWOFOL KUNSTSTOFFPRODUKTE GMBH & CO KG [DE]	Producing a film from ultra-high molecular weight polyethylene (UHMW-PE) useful as bursting film, involves extruding the provided UHMW-PE into a film using an extruder designed for high shear by combining barrier screw with shearing element and mixing element, and passing film over a cooling roller
CN120134684	(GOOD) GOODYEAR TIRE & RUBBER [US]	Method for manufacturing cord-reinforced elastomer composition band for use as E.G. belt ply, to E.G. non-pneumatic tire, involves holding parallel cords at constant distance relative to one another in second zone
EP4556195	(STEE) STEER ENGINEERING PRIVATE LTD [IN]	Element for a counter-rotating twin screw processor comprises pair of screw shafts, element having axial bore for mounting on screw shaft of pair of screw shafts, element with multiple lobes and defining first outer diameter, second outer diameter, first inner diameter and second inner diameter
CN119897986	(NIKL) JAPAN STEEL WORKS LTD [JP]	Device for manufacturing resin film, has comprises extruder designed to melt resin element is contained there and then extrude molten resin element, and mould connected to extruder and designed to shape molten broth into film shape

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025097065	(RWWC) RELIANCE WORLDWIDE CORP [US]	Formation of elongated tubular element for three-layer co-extruded pipe, involves extruding first layer of resin, second layer of resin, and third layer of resin through die head to form elongated tubular element having circular cross-section, and exposing elongated tubular element to infrared lamps
WO2025114111	(MICL) MICHELIN & CIE [FR]	Volumetric pump used for pumping and extruding viscous materials E.G. unvulcanized rubber, has metering unit to operate according to intermediate phase called precompression phase during which metering piston of metering unit pre-compresses viscous material in compression chamber of metering unit
WO2025076565	(PLAS) PLASMICS GMBH [AT]	Extrusion head for additive manufacturing of shaped component with tubular casing made of ferromagnetic material, has induction coil that is designed in manner of Helmholtz coil with two coil sections arranged at axial distance from one another
WO2025076077	(BERR) BERRY GLOBAL INC [US]	Method for forming multi-layer sidewall of polymeric container, involves forming tube-shaped molten polymer blend within interior of film sheet to provide reduced-density tube while diameter of multi-layer tube is adjusted, and forming reduced-density tube into multi-layer sidewall
WO2025098735	(SABI) SABIC GLOBAL TECHNOLOGIES BV [NL]	Glass fiber reinforced pellet used for producing reinforced article, comprises core that extends in axial direction of pellet and comprising multiple of glass fiber filaments, and polymer sheath comprising polypropylene with preset ash content and melt flow index
WO2025095974	(ADDE) ADDEX INC [US]	Apparatus for cooling molten film tube from blown film die for manufacturing thermoplastic blown films, has divider plate and lower interior surface for defining second lower channel circumscribed around plenum opening, where first upper channel and second lower channel are connected to inlet
US2025121548	ATLANTIC GLOBAL ENTPR INC [US]	Supercritical fluid-assisted polymer extrusion foaming device
EP4534743	(FARE) FARE S P A A SOCIO UNICO [IT]	Apparatus for producing nonwoven fabric for geotextile field, has spinneret for extruding filaments, cooling device arranged below spinneret, mechanical drawing device arranged below cooling device, and collecting device to collect filaments which is arranged below drawing device
WO2025106160	(DOWC) DOW SILICONES CORP [US]	Preparing silicone-polyolefin hybrid material comprises mixing silicone polymer base comprising at least one silicone polymer and/or copolymer having specified Williams plasticity with functionalized polyolefins and reactive compatibilizer

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN119795413	(KOBM) KOBE STEEL LTD [JP]	Start-up method for a resin pellet production device I.E. granulation device for producing resin pellets, involves supplying pellet cooling water stored in water tank to water chamber by pump and filling water chamber before starting production of resin pellets
DE102023210701	(CONW) CONTINENTAL REIFEN DEUTSCHLAND GMBH [DE]	Extrusion template for use in extrusion system of rubber products used in tire production of vehicle, comprises template body that has template recess penetrating along extrusion direction and delimited by circumferential wall surfaces for shaping extrudate
WO2025114116	(ELAN) ELANTAS GMBH [DE]	Producing poly(amide-imide) polymer by continuous, solvent free process used as magnet wire for coatings, comprises reacting composition of polycarboxylic acid anhydride, and compound having isocyanate functional groups inside extruder
US2025196421	(LREA) LEAR CORP [US]	Tractor conveyor for manufacturing system for making filament mesh structure in seat assembly of E.G. car, has subset of plates with elasticity expand and conform to outer contour of formed product in response to engagement with formed product
US2025198547	SAINT GOBAIN PERFORMANCE PLASTICS CORP [US]	Tube and method for making same
DE102023131452	(WEBE) HANS WEBER MASCHF GMBH [DE]	Controlling and/or regulating operation of manufacturing facility for manufacturing extrusion-based additive of three-dimensional component, involves controlling operation of corresponding production facilities I.E. control and/or regulating device implemented in hardware and/or software
WO2025133246	INDORAMA VENTURES MOBILITY OBERNBURG GMBH [DE]; FAURECIA AUTOSITZE GMBH [DE]	Cushion
CN119773206	(CONW) CONTINENTAL REIFEN DEUTSCHLAND GMBH [DE]	Cooling belt for use in cooling system for cooling E.G. tread of pneumatic tire, has conveyor segments including through-opening that extends perpendicular to direction of movement and forms area of conveyor segment on which articles are received
CN119858376	(CFLH) CFL HOLDING LTD [HK]	Decorative panel I.E. floor, ceiling, building or wall panel, comprises at least one core layer and at least one decorative top layer, in which the core layer comprises at least one structural core and at least one balancing core components
WO2025136910	EASTMAN CHEM CO [US]	Polymer extrusion process using vented extruder
EP4549494	(GLDS) LG ELECTRONICS INC [KR]	Composite sheet used for home appliance, comprising matrix including base resin containing thermoplastic material, and multiple of chips including waste materials having irregular shapes, and coupled to matrix, where multiple of chips are partially exposed to outer surface of composite sheet
EP4574374	TRIFILON AB [SE]	Ultrasonic dispersion

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
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US2025178261	FAURECIA AUTOSITZE GMBH [DE]; INDORAMA VENTURES MOBILITY OBERNBURG GMBH [DE]	Method and device for producing a cushion material and cushion material
WO2025093698	(NEVE) PLAXTIL [FR]; (PLAX) NEVEU JEAN MARC [FR]	Method of preparing PLA material loaded with textile fibers for 3D printing, involves adding resin in quantity equivalent in weight to that of textile shred, where resin is polybutylene adipate terephthalate and ground material is made up of fibers with specific whose size
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CN119824558	(CECC) FLII CECCATO MILANO S R L [IT]	Tube, E.G., pack of tube used for multirow coaxial melt-blown system, comprises development axis and closed inner surface that extends around development axis and defines mutually identical profiles arranged one after other along development axis, and profile defined on sectional plane
DE102023130214	(CITE) CITEX HOLDING GMBH [DE]	Ultrasound measuring device for measuring extruded products I.E. pipes in extrusion line, has controller device that is provided for activating sensors and receiving measuring signals from sensors, where sensors are arranged in relation to one another
CN120020397	(SKFK) SKF AB [SE]; SKF CHINA CO LTD [CN]	Damping pad for wire race bearing in medical imaging devices E.G. computerized tomography (CT) machines, has reinforcing fiber thread that is provided with lower elongation rate and higher tensile strength relative to damping pad
US2025115733	TECHNOLOGICAL UNIV OF THE SHANNON MIDLANDS MIDWEST [IE]	Polyester Depolymerisation
WO2025114198	(BADI) BASF SE [DE]	Method for monitoring and controlling a production process of plastic article/component for E.G. bottles, involves generating adjusted production data, and providing adjusted data based on input materials as signified by digital identifiers
WO2025071512	UNIV OZYEGIN [TR]	A system for extrusion of non-newtonian fluids by controlling their mass flow rate

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE102023127678	(DELF) DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	Method for creating local discharge characteristic of extrusion device I.E. single-screw extrusion system, involves dispensing the printable material by controlling the motor such that the extrusion screw has a constant rotational speed
FI20236186	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY [FI]	Processing of mixed waste used for re-manufacturing of plastic product, involves feeding feed of mixed plastic waste into extrusion process, subjecting plastic melt into melt filtration, and subjecting filtered plastic melt into in-line measurement and pyrolysis
WO2025071515	(UYSA) SAKARYA UENIVERSITESI REKTOERLUEGUE [TR]	Extrusion machine has second load cell which is in compression zone where polymer is melted and delivered to measurement zone, and third load cell is in measurement zone for distributing molten plastic material into mold depending on volume and pressure
WO2025099315	(VLAA) VITO NV [BE]	Method for extruding paste material through set of nozzles by extrusion printing system, involves selecting minimum gap distance based on size of particles within used paste material, where minimum gap distance is chosen

## Otros Procesos

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2025187251	(MOND) G MONDINI S P A [IT]	Method for making deep container, involves pressing thermoformable film with pressing element against inner surface of outer skeleton to make thermoformable film adhere to inner surface of outer skeleton
CN119734430	(SKFK) SKF AEROSPACE FRANCE SAS [FR]	Method for producing connecting rod made of composite material, involves polymerizing intermediate product obtained at end of winding process at polymerization temperature which depends on composite material used
WO2025126034	(SPIA) SIPA PROGETTAZIONE AUTOMAZ [IT]	Interface plate for use in rotary table of injection blow molding machine for plastic containers, has through holes arranged at ends of interface plate and for fastening and centering interface plate on surface of rotary table
EP4541553	(EBRI) EBRILLE S R L [IT]	Continuous process for producing air conditioning conduit, involves unwinding copper tube from coil and straightening copper tube, cleaning copper tube by plasma treatment, heating copper tube to complete cleaning of copper tube, applying adhesive on outer surface of copper tube
EP4574394	ALPLA WERKE ALWIN LEHNER GMBH & CO KG [AT]	Injection stretch blow molding mold and method
CN120010291	(KROE) KRONES AG [DE]	Method for controlling container treatment system for producing containers from preforms, involves setting target parameter for controlling container treatment system and group of target values for controlled variable is provided for each sub-agent
CN119957808	(AIRL) AIR LIQUIDE [FR]	Method for producing sealed wall of sealed tank I.E. pressurized tanks made of composite material used for storage of gas or liquid, involves fitting reusable and removable mandrel by fitting/dismantling of hoops, and forming sealed wall of tank on outer surface of mandrel
WO2025090381	(OWEN) OWENS CORNING INTELLECTUAL CAPITAL LLC [US]	Method for forming spiral wound pipe insulation in continuous molded pipe process, involves directing sheet of insulation material toward mandrel at approach angle to form elongated hollow cylinder of insulation material
WO2025072596	(MFRE) MRI INC [US]	Door frame subassembly manufacturing method for electronic display assembly for indoor, outdoor or semi-outdoor applications, and bending material into rectangular shape with rounded corners to define opening and joining remaining gap in material

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CH721205	(BECK) BECK AUTOMATION AG [CH]	In-mold labeling (IML) transfer method for transferring label to insertion unit for insertion into mold cavity of injection molding tool for producing plastic molded components, involves adjusting positioning of label on printed scale using detector and control unit coupled to transfer unit
WO2025090488	(NIAG) NIAGARA BOTTLING LLC [US]	Blow molding station for blow molding preform into bottle, has stretch rod that is configured to stretch preform within mold, nozzle configured to direct pressurized gas into preform and high-voltage module configured to impart electrostatic charge to pressurized gas directed into preform
US2025187253	(JIAN) JIANGXI YAOMEI AUTO PARTS CO LTD [CN]	Method for manufacturing automotive floor mat, involves providing thermoplastic sheet, and heating and softening thermoplastic sheet, where anti-slip convex nails are arranged on upper surface of thermoplastic sheet
US2025205958	KRONES AG [DE]	Plant and method for producing containers
DE102023130501	(SALZ) KHS GMBH [DE]	Device for producing crystalline hot-fill container from preform from wall and accessible through handling opening, has forming machine for heating perform and formed into container precursor with container interior and neck section, where coating system is arranged between machine and trimming unit
CN119871859	(KROE) KRONES AG [DE]	Apparatus for manufacturing and processing container, has cooling unit for cooling manufactured container with cooling medium and cooling bottom portion of manufactured container according to control parameter of preform manufacturing machine and/or according to container processing unit
CN120134597	(CARB) CARBOFIX SPINE INC [US]	Device for maintaining shape of transverse cross-sectional profile of elongated orthopedic implant during shaping, has peripheral portions for mirroring half of central concave portion, which is closest to respective peripheral portions
CN119871853	(KROE) KRONES AG [DE]	Apparatus for manufacturing container by parison, has storage device provided with tempering device for tempering preform and sensor arranged to determine temperature of parison within transfer point area
US2025162232	(NKEN) NIKE INC [US]	Blow molding system for simultaneously blow molding multiple sole plates for articles of footwear, has mold assembly including mold cavities each facing mold chamber and defining profile of sole component of article of footwear
EP4570476	BRANDENBURGER LINER GMBH & CO KG [DE]	Method and apparatus for manufacturing a coiled lining tube

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025074056	(SYNE) SYNERLINK [FR]	Method for manufacturing food pot for containing liquid or semi-liquid products E.G. yogurt, involves arranging paper strip in mold, applying jet of compressed air between paper strip and side wall, and thermoforming sheet of plastic material in mold
WO2025080521	(ULTR) ULTRA CLEAN HOLDINGS INC [US]	System for imposing permanent bend in length of heat fixable tubing, has fixing element extendable to secure tubing in groove, and heater configured to heat bend setting portion to fixing temperature, where bend setting portion is formed with surface
GB2635549	(SMIT) DS SMITH PACKAGING LTD [GB]	Device used for form-fit bonding of plastic inlay made of mono-polyethylene terephthalate to blank to form tray, has plate element with cavity for receiving blank, and means for applying pressure difference between side of blank facing wall and side of plastic inlay facing interior of tray
WO2025125415	(AQOR) 3DITEX [FR]; (THRE) ARKEMA FRANCE [FR]	Method for manufacturing composite portion based on reinforcing fibers and thermosetting or thermoplastic resins, involves demoulding composite portion at temperature lower than crystallization temperature of thermoplastic matrix
US2025121552	(SCHI) SCHIFFER YEHUDA [US]	Device for heating and molding pipe E.G. polyvinyl chloride pipe around unusual surface I.E. uneven wall for use by plumber and electrician, has block provided with channel for receiving pipe, and linkage coupled to hinge
WO2025068462	(SIDL) SIDEL PARTICIPATIONS [FR]	Method for manufacturing E.G. bottles by blow molding preform made of polyethylene terephthalate previously heated in furnace, involves determining control parameter providing greatest variation in wall thickness of containers
JP2025066418	(TOYT) TOYOTA MOTOR CO LTD [JP]	Method for manufacturing resin molded product, involves irradiating resin layer with UV such that UV curable resin is in semi-cured condition, molding thermoplastic resin sheet including resin layer, and irradiating resin layer with UV such that UV curable resin is in cured condition
WO2025125396	(AQOR) 3DITEX [FR]; (THRE) ARKEMA FRANCE [FR]	Method for manufacturing composite hollow body utilized as E.G. pipe for transporting fluid, involves demolding composite part obtained at temperature lower than crystallization temperature of thermoplastic matrix
CN120109406	(FORD) FORD GLOBAL TECH LLC [US]	Battery assembly for battery pack of electrified vehicle, has encapsulation structure thermoformed around battery assembly of battery pack
EP4559445	(GDMG) GDM SPA [IT]	Apparatus for making E.G. female sanitary napkins, has stretching part placed at distance from forming assembly lower than predetermined maximum value, where distance is measured along advancement direction

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2025108549	(RING) RING CONTAINER TECH LLC [US]	Finished container, E.G., plastic container used as cold fill container, comprises inner portion, intermediate portion, and outer portion, where inner portion and outer portion each comprise recycled material, and intermediate portion comprises oxygen barrier
EP4565037	(COMS) COMMISSARIAT ENERGIE ATOMIQUE [FR]	Method for disassembling back layer of photovoltaic module, involves winding layer back around tool to detach from intermediate layer, heating tool in manner localized by heating unit during implementation of winding process
US2025187247	SIDEL PARTICIPATIONS [FR]	Method for decontaminating the inside of preforms
CN120019948	(GENK) GM GLOBAL TECH OPERATIONS LLS [US]	Method for providing vehicle I.E. car, with multi-color paint finish, involves applying first paint finish of first color to body of vehicle, attaching panel to body of vehicle, and applying film by thermal vacuum forming process
DE102023132401	(FHWM) FHW MOULDS GMBH [DE]	Thermoplastic container I.E. stackable canister, for storing and/or transporting liquids E.G. chemicals, in container arrangement, has closure attached to pouring spout to close outlet opening, and securing element fixed on top side of container main body
FR3154780	(SARD) SARDOU MAX [FR]	Machine for producing high-pressure tanks with composite reinforcement, used to store compressed gases, has guide means that is arranged radially relative to tube, and made up of either barrel carrying, at two ends, and two single-flag eyelets without barrel
DE102023128580	(SALZ) KHS GMBH [DE]	Device for gripping molding tool for forming container from preform in changing unit E.G. robotic changer, has forming tool whose first receiving area is arranged between first gripping element and first contact surface which is aligned with first gripping element
EP4567057	MONDI AG [AT]	Structured and oriented film and method of manufacturing thereof
US12285900	(ZEUS) ZEUS COMPANY INC [US]; ZEUS COMPANY LLC [US]	Molecularly oriented polymeric tube having specific standard deviation of average wall thickness measured at discrete cross-sections of the molecularly oriented polymeric tube, useful to E.G. form stents and percutaneous transluminal coronary angioplasty balloons
US2025187250	KRONES AG [DE]	Method and apparatus for producing plastic containers
WO2025137047	NORDSON CORP [US]	Peelable polyester heat-shrink tubing
CN119820834	(BOEI) BOEING CO [US]	Pick and place end effector for forming kink in composite laminate during pick and place operation, has restraints for clamping portions of composite laminate on opposite sides of kink on vacuum lift surface during movement between flat configuration unit and forming configuration unit

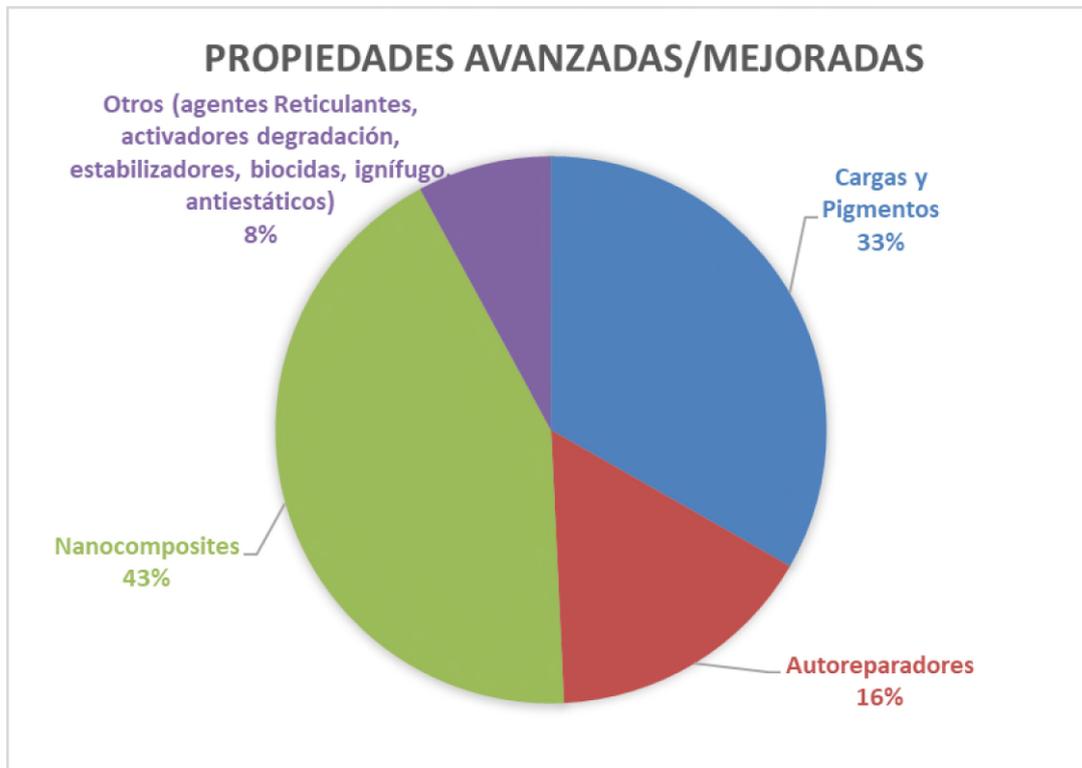
Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN119928322	(HYMR) HYUNDAI MOTOR CO LTD [KR]; (KIAK) KIA CORP [KR]	Device for manufacturing cylindrical hydrogen tank to store hydrogen in environmentally friendly vehicles E.G. electric vehicles, has pultrusion device provided on downstream side of rotating device and configured to pultrude intermediate material formed by rotating device in longitudinal direction
US12292157	(TECS) TECHNICAL CONSTRUCTION INFRASTRUCTURE INC [CA]	Method for refurbishing first pre-stressed concrete cylinder pipe E.G. lined-cylinder pipe of pipeline used in water supply, involves sealing each terminus of the first layer of carbon fiber reinforced polymer liner after curing the first layer of CFRP liner
CN119820879	(BOEI) BOEING CO [US]	Method for forming composite structure with bend in web and number of flanges of composite structure, involves bending overhanging portions of bent laminate into contact with sides of mandrel by forming assembly to form composite structure
DE102024121027	(KNOL) WALTER KNOLL AG & CO KG [DE]	Method for producing furniture element, such as table-top, involves providing base plate of furniture element in which base plate comprises height profile perpendicular to plate extension, which extends laterally in two dimensions
EP4570477	(TSMO) TSMOST CO LTD [KR]; (YERA) YERANG TECH [KR]	Head for taping device for winding insulating tape around bus bar in E.G. train, comprises tape feeder comprising abutment coupled to ring gear and mounting roller rotatably coupled to abutments, and driver coupled to housing and rotating ring gear
WO2025114424	(NORN) NORNER AS [NO]	Cross-ply laminate for cross-ply panel of product, has adjacent machine direction oriented film in transverse direction have same transverse direction orientations, each of machine direction oriented film in machine direction and films in transverse direction independently has virgin polyolefin
EP4538026	(KANA) TSUDAKOMA IND CO LTD [JP]; (TSUD) KANAZAWA INSTITUTE OF TECH [JP]	Curve shaping apparatus for shaping a reinforcing fiber material to form, such as carbon fiber in a plan view while conveying the same on a defined path of aircraft-related components, has heating device provided in the path and configured to heat reinforcing fiber material
US12290832	(CALM) CALMAN KENNETH J [US]; CALMAN KATHRYN S [US]	Roller device for use in sheet material application system for applying adhesive sheet material, has roller bracket for supporting roller with roller surface, and handle portion for extending along first direction from roller bracket
CN120057830	(KROE) KRONES AG [DE]	Method for controlling production process with serially connected production processes for producing and/or processing containers in production line, involves assigning data records individually to containers in region of transport sections with forced guidance of containers in shift register

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE102023131500	(SALZ) KHS GMBH [DE]	Star wheel for use in close container treatment system for container treatment plant used in beverage industry, has grippers that are designed to be guided along alternative path which is arranged back relative to transfer path at transfer section in safety operation
US2025146600	(SAOI) SAUDI ARABIAN OIL CO [SA]	Composite pipe for use as conveyance for fluid in buried underground pipeline, has thermoset outer layer whose filaments are in contact with and wound about portion of external surface of cylindrical portion of flange end attachment
US2025143840	(ORMC) ORMCO CORPORATION SPARK/ALIGNER DIV [US]	Method for manufacturing orthodontic appliance I.E. dental aligner, for applying corrective forces to teeth of patient during treatment of malocclusions between teeth of upper and lower dental arches, involves providing mold including projections representing patient's teeth and including resin
WO2025124762	SABIC GLOBAL TECHNOLOGIES BV [NL]	Biaxially oriented pipe derived from beta crystalline polypropylene
CN119840144	(BRKM) BRUECKNER MASCHBAU [DE]	System for producing biaxially stretched plastic films, has heat pump comprising feed for heat and outlet for useful heat, and heat sink unit has process heat supply that is connected thermally to outlet of heat pump
CN120051385	(TIGS) TI AUTOMOTIVE TECH CT GMBH [DE]	Plastic fuel tank for vehicle I.E. motorized vehicle, has plastic fuel tank body whose inner space is defined in bottom part, top part and side wall, where inner space is utilized to receive fuel, and supporting element provided with elongated shape and longitudinal axis
CN120143747	(KROE) KRONES AG [DE]	Apparatus for producing containers E.G. plastic bottles, used for filling beverage, has control device designed to set working parameters for production of first container, and measuring device to measure parameters of produced first container to obtain measured value of container parameters

VOLVER A  
CONTENIDO

# MATERIALES CON PROPIEDADES AVANZADAS O MEJORADAS

En el siguiente gráfico se muestra la distribución de las 940 familias de documentos de patente recuperadas en este trimestre en el apartado de Materiales con propiedades avanzadas o mejoradas. En este trimestre, el volumen de documentos de patente a nanocomposites sobresaile seguido por cargas y pigmentos y autorreparadores.



Las siguientes tablas muestran una selección de los documentos más representativos, junto con un enlace directo a la base de datos Espacenet, el solicitante y una breve descripción de la invención.

## Cargas y Pigmentos

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
<a href="#">WO2025070216</a>	(POPL) POLYPLASTICS CO [JP]	Liquid crystalline resin composition used for forming molded article E.G. Component for camera module, comprises liquid crystalline resin, plate-like filler having preset average particle size, and epoxy group-containing olefin-based polymer
<a href="#">WO2025070611</a>	(NIOC) ENEOS MAT CORPORATION [JP]	Polymer composition for compound, comprises modified conjugated diene polymer having partial structure derived from compound having nitrogen-containing group and hydrocarbyloxysilyl groups, acid component which is acid or its metal salt or both, and optionally nonionic surfactant and/or extender oil
<a href="#">WO2025074909</a>	(SHOW) RESONAC CORP [JP]	Resin composition used for forming prepregs, laminates, and resin films for printed wiring boards used in semiconductor packages, comprises thermosetting resin, and inorganic fillers having differing true density
<a href="#">WO2025074747</a>	(TITA) TITAN KOGYO KK [JP]	Powder used as filler in resin composition for forming sealing material, comprises calcium titanium double oxide particles having preset average primary particle diameter, and circularity of projection diagram of primary particles, and has preset boiled linseed oil absorption
<a href="#">EP4538309</a>	(KCCK) KCC CORP [KR]	Epoxy coating composition used as coating for buildings, such as concrete flooring, comprises main portion comprising epoxy resin and extender pigment, and curing portion comprising amine resin including alicyclic amine resin, where extender pigment comprises first silica, and second silica
<a href="#">WO2025079674</a>	(TOYM) TOYO BOSEKI [JP]	Thermoplastic resin composition used in masterbatch and melt-spinning resin composition for forming three-dimensional printer filament and non-stretched film, comprises thermoplastic resin and ionic compound having preset dissociation energy of anion and cation
<a href="#">WO2025080931</a>	(CABN) CARBON INC [US]	Dual cure resin composition for forming three-dimensional object, comprises elastomer-producing light polymerizable monomer and/or prepolymer, monomer and/or prepolymer that is solidified by exposure to heat, photoinitiator, additional light polymerizable monomers, and thiol crosslinker

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
JP2025067640	(CANO) CANON KK [JP]	Injection molded material comprises matrix resin and thermoplastic elastomer having portion away from surface of injection molded material and other portion between earlier portion and surface dispersed in matrix resin
WO2025084412	(IDEK) IDEMITSU KOSAN CO [JP]	Aromatic polyether used for preparing composite material, has preset radical amount measured using 4-hydroxy-2,2,6,6-tetramethylpiperidine-N-oxyl as standard substance and benzene as solvent for standard substance, and has preset number average molecular weight, and molecular weight distribution
WO2025084268	(TORA) TORAY INDUSTRIES [JP]	Thermoplastic polyester resin composition used for forming molded article E.G. Heat dissipating component, comprises thermoplastic polyester resin, magnesium carbonate and glass fibers having preset magnesium content determined using scanning electron microscope with dispersive X-ray spectroscopy
JP2025071979	(IDEK) IDEMITSU KOSAN CO [JP]	Manufacture of asphalt mixture used for asphalt pavement, involves mixing asphalt masterbatch comprising modified hydrogenated petroleum resin having silicon element and preset weight average molecular weight, and straight asphalt with aggregate, and adding asphalt and mixing
KR20250060740	(KOEL) KERI KOREA ELECTROTECHNOLOGY RES INST [KR]	Liquid insulating material used for E.G. Packaging semiconductors, comprises solid epoxy resin, liquid epoxy resin, hardener, and inorganic filler comprising inorganic particles having different average particle size, and has flowability and leveling property
WO2025089142	(DAIL) DAICEL CORP [JP]	Resin composition used for forming E.G. Article, comprises substituted polyphenylene sulfide resin, and filler
WO2025100081	(ASAH) ASAHI CHEMICAL IND [JP]	Composition used in epoxy resin composition for forming resin layer of film and cured layer of printed wiring board and semiconductor chip package used in electronic device, comprises (2-hydroxyphenyl)methyl-1H-benzodiazol-2-yl phenol compound and 2-(1,3-benzodiazol-2-yl)phenol compound
WO2025100541	(ASAH) ASAHI CHEMICAL IND [JP]	Polyamide composition used for manufacturing molded articles, comprises polyamide, phosphorus-based flame retardant, and compound having several structures that react with molecular terminals of polyamide
WO2025121380	(TOXW) ARTIENCE CO LTD [JP]; TOYOCOLOR CO LTD [JP]	Liquid coloring composition for molded bodies for colored resin composition, has liquid dispersion medium of aliphatic polyester resin, polyalkylene glycol resin, polyether ester resin, and aromatic polycarboxylic acid ester, surfactant is fatty acid ester, and/or higher fatty acid metal salt

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025105281	(FUJF) FUJIFILM CORP [JP]	Photosensitive composition used for forming transfer film and laminate for manufacturing semiconductor package, comprises polyimide precursor with preset acid value, polymerizable compound comprising polymerizable groups, and triphenyl-dihydro-imidazole compound
WO2025103756	(ENVA) ENVALIOR B V [NL]	Laser-transparent polymer composition used for preparing laser-welded article and laser-transparent molded product for electrical application, comprises polybutylene terephthalate resin, di-alkali-metal salt of norbornane-2,3-dicarboxylic acid, polyester copolymer, glass fibers and colorant
WO2025105450	(DOWC) DOW TORAY CO LTD [JP]; (DOWO) DOW SILICONES CORP [US]; DOW GLOBAL TECHNOLOGIES LLC [US]	Resin composition used for forming cured product, comprises matrix resin, main conductive filler comprising metal on at least portion of surface, carbon-based conductive filler having preset aspect ratio and/or carbon-based conductive filler having preset specific surface area
WO2025105098	(TOYM) TOYOBO MC CORP [JP]	Polyamide composition used as raw material for forming molded article E.G. Gap filler, comprises polyamide, fibrous inorganic reinforcing material and thermally conductive inorganic filler, and has preset ratio of peak area and difference in arithmetic mean roughness
WO2025105440	(SHOW) RESONAC CORP [JP]	Curable composition used for forming cured product E.G. Prepreg, comprises compound having vinylbenzyl group, and has preset minimum melt viscosity
WO2025109947	(SANN) SANYO CHEMICAL IND LTD [JP]	Curable composition used for producing cured product, comprises polyether polyol, polyisocyanate, compound having phosphoric acid group, and filler
WO2025109840	(BRID) BRIDGESTONE CORP [JP]	Tire E.G. Pneumatic tire, comprises tread rubber layer located on outermost surface of tread portion and made of rubber composition containing rubber component containing styrene-butadiene rubber, filler, and silane coupling agent, and belt layer located on tire radially inner side of rubber layer
WO2025110075	(DNIN) DAINIPPON INK & CHEMICALS [JP]	Thermosetting resin composition used for producing cured product for E.G. Semiconductor encapsulant, comprises thermosetting resin, curing agent, modified resin having preset ether concentration, and one or more fillers selected from inorganic fine particles and fibers
WO2025110010	(DNIN) DAINIPPON INK & CHEMICALS [JP]	Antiplasticizer used in inorganic particle-containing resin composition for forming molded material and in coating composition for forming separator of secondary battery, comprises polyesters and diester in preset mass ratio

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025109983	(BRID) BRIDGESTONE CORP [JP]	Pneumatic tire for vehicle, comprises tread rubber layer located on outermost surface of tread portion and containing rubber component, filler and silane coupling agent, and carcass ply located on side of rubber layer and made of polyethylene terephthalate fiber cords coated with coating rubber
WO2025109841	(BRID) BRIDGESTONE CORP [JP]	Tire for vehicle, comprises tread rubber layer located on outermost surface of tread portion and which is made of rubber composition comprising rubber component, filler and silane coupling agent, and belt located on inner side of tread rubber layer in tire radial direction
WO2025110106	(MATU) PANASONIC IP MAN CO LTD [JP]	Resin composition used as semiconductor encapsulation material and underfill material for semiconductor device, comprises liquid epoxy compound, liquid aromatic amine compound, inorganic filler, and amidine silicate compound, and has preset viscosity
WO2025109842	(BRID) BRIDGESTONE CORP [JP]	Tire E.G. Pneumatic tire, comprises tread rubber layer comprising rubber composition containing modified and unmodified styrene-butadiene rubbers, filler and silane coupling agent, and reinforcing layer containing organic fiber cord having preset elastic modulus
WO2025116018	(SEKI) SEKISUI CHEMICAL CO LTD [JP]	Polymer additive for filler-containing composition, has aromatic ring at side chain or end of polymer main chain and at least one reactive functional group in its molecular structure, preset maximum fluorescence peak, and total Hansen solubility parameter
WO2025115428	(MATU) PANASONIC IP MAN CO LTD [JP]	Resin composition used for forming E.G. Cured material, comprises pre-reactant which is obtained by reacting mixture containing polyfunctional vinyl aromatic copolymer containing repeating unit derived from divinyl aromatic compound and maleimide compound having alkyl group and alkylene group
JP2025088410	(SUMO) SUMITOMO CHEMICAL CO [JP]	Liquid crystal polyester composition used for producing molded article such as connector, socket, coil bobbin, household electrical appliance component, and automobile interior component, comprises liquid crystal polyester, inorganic filler containing hollow glass filler, and styrene-based resin
WO2025115733	(JAPG) ZEON CORP [JP]; (KAWA) KAWAI LIME IND CO LTD [JP]	Resin composition used for forming molded article for mirror, comprises polymer containing structural unit derived from norbornene-based monomer, and filler composition comprising plate-like filler and binder and having preset weight loss rate in nitrogen atmosphere

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025121310	(SAKB) OTSUKA CHEMICAL CO LTD [JP]	Cutting component used for socket for semiconductor inspection, is made of molded component of resin composition comprising crystalline thermoplastic resin and inorganic reinforcing material having preset Mohs hardness and cutting parameter
WO2025126694	STELLA CHEMIFA CORP [JP]	Filler for low dielectric loss resin composition, low dielectric loss resin composition, molded body for high frequency device, and high frequency device
WO2025126952	RESONAC CORP [JP]	Resin composition, prepreg, laminate, resin film, printed wiring board, and semiconductor package
WO2025127031	MURATA MANUFACTURING CO [JP]	Thermally conductive material
WO2025126064	ASIAN PAINTS LTD [IN]	A coating composition and a process for its preparation

## Autorreparador

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
KR102793770	(SEOK) SUKMIN CONSTRUCTION CO LTD [KR]	Composition useful as repairing method for repairing concrete structures, comprises E.G. ethylene vinyl acetate resin, ethylene vinyl acetate modified polymer resin, trialkoxysilane monomer, and self-healing additive
KR102810010	(OHSE) OH SUNG ROK [KR]; (SUNG) HWANG OH SEOP [KR]	Composition for improving fire resistance of concrete and reinforcing matrix-type absorption prevention material, comprises alkali silicate compound, water-repellent compound, liquid inorganic self-healing compound, polyphenol and glutathione
KR102812325	(HUBC) HUBCON CO LTD [KR]	Concrete composition useful as precast box structure, comprises cement, aggregate, blast furnace slag, self-healing material, alkaline sulfate activator, polyaspartate and abietic acid, and further comprises polyanionic polymer

# Nanocomposite

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025067841	(ESSI) ESSILOR INT [FR]	Method for manufacturing optical article to modify path of light that enter eye of patient, involves incorporating optically functional nanoparticles into substrate to obtain optical coating, and applying optical coating on surface of optical support element
WO2025068391	(ESSI) ESSILOR INT [FR]	Optical article for preventing eye-length related disorders, comprises polymer matrix, substrate comprising bulk portion, and external portion in which particles functionalized with coupling agent are embedded, and external portion of substrate is made of optical material comprising polymer matrix
DE102023126534	(VOXE) VOXELJET AG [DE]	Infiltrating and/or surface treating used for generating three-dimensional objects, involves introducing and/or applying base material to three-dimensional shaped part, exposing three-dimensional shaped part to energy, preferably thermal energy, or with activator
WO2025076063	(UYOR) UNIV OREGON [US]	Composition used in system I.E. electrospinning system for forming composite structure, comprises polymer and aromatic ring system nanohoop which is configured to re-emit fluorescent light upon irradiation of composition with UV light
US2025136773	(ROPE) ROPER DONALD KEITH [US]; (UTAS) UNIV UTAH STATE [US]	Forming cavities of lattice and transferring nanoparticles from lattice to contact lens body involves coating surface with resin having organic material; depositing nanoparticle of multiple of nanoparticles into each cavity of multiple of cavities of lattice
WO2025090916	(MASI) MASSACHUSETTS INST TECHNOLOGY [US]	Synthesis of resin for manufacturing liquid crystal elastomer fibers, involves mixing mesogen and reaction inhibitor, baking in container until mixture is melted, mixing joining molecule and vinyl cross-linker, baking, mixing photoinitiator and chemical initiator, and centrifuging
WO2025099720	(UYTA) UNIV RAMOT [IL]	Hybrid hydrogel composition used E.G. for three-dimensional printing object, comprises discrete hydrogel particles comprising first and second crosslinked polymeric network that comprises first and second polymer, and dispersing medium
WO2025106053	(UYEG) EGE UENIVERSITESI IDARI VE MALI ISLERDAIRE BSK [TR]; (UYIZ) IZMIR KATIP CELEBI UENIVERSITESI [TR]	Additive manufacturing filament for facilitating production of prototypes, pre-test and test parts and final products in E.G. different sectors, has thermoplastic matrix consisting glass fiber, carbon fiber and hybrid mixture

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2025114116	(ELAN) ELANTAS GMBH [DE]	Producing poly(amide-imide) polymer by continuous, solvent free process used as magnet wire for coatings, comprises reacting composition of polycarboxylic acid anhydride, and compound having isocyanate functional groups inside extruder
WO2025117594	(MANT) MANTLE INC [US]	Anti-warping layer used to E.G. minimizes warpage of physical object during volumetric change inducing treatment comprises semifinished physical object having bottom surface, support having top surface, and mobile layer formed of material
WO2025118089	(DEPO) DEPOLY SA [CH]	Method for removing ink layer from first plastic material, involves providing raw material comprising layer of plastic material and ink layer applied to layer of plastic material, contacting raw material, stirring reaction mixture and recovering
WO2025125789	(VIRI) VIRITECH LTD [GB]	Method for manufacturing composite pressure vessel for storing hydrogen used as fuel in E.G. watercraft, involves winding composite to produce composite layers of vessel, where compression of resin forces particles into voids within layers

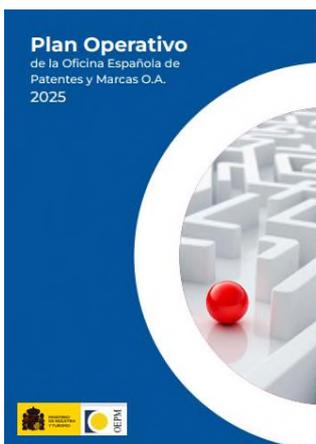
## Otras propiedades

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN120098200	(TESA) TESA SE [DE]	Ceramizable composition used for forming layer for preparing adhesive tape used in battery component and system for protecting battery used in electric car from thermal runaway, comprises acrylate oligomer, active diluent, skeleton filler, flux, flame retardant, and photo-initiator
EP4567069	ELIX POLYMERS S L [ES]	Flame-retardant abs composition

VOLVER A  
CONTENIDO

# NOTICIAS

## PLAN OPERATIVO ANUAL 2025 DEL PLAN ESTRATÉGICO 2025-2027 DE LA OEPM



La Oficina Española de Patentes y Marcas, O.A. (OEPM) publicó el pasado mes de mayo el Plan Operativo Anual 2025 (POA 2025) de su Plan Estratégico 2025-2027.

En el POA 2025 se recogen las actividades concretas que se están ejecutando en 2025 para los 26 proyectos del Plan Estratégico 2025-2027, indicando sus fechas previstas de inicio y finalización, los responsables correspondientes, así como los productos asociados a cada una de ellas. Por otra parte, se definen también los resultados finales que se esperan alcanzar a la finalización del Plan, los resultados intermedios a lograr al finalizar esta anualidad y los indicadores que permitirán el seguimiento de la consecución de los resultados.

Más información: [Plan Operativo Anual \(POA\) 2025](#), [Plan Estratégico 2025-2027](#)

## PREMIOS OEPM A LA MEJOR INVENCION

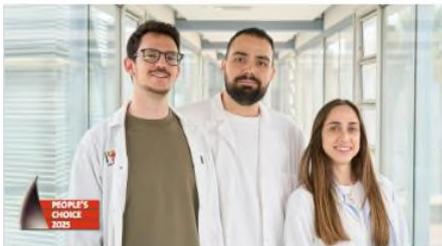
Por cuarto año consecutivo, la *Oficina Española de Patentes y Marcas, O.A.* (OEPM) ha concedido los premios a las Mejores Inventiones protegidas mediante derechos de Propiedad Industrial en una ceremonia en la Escuela de Organización Industrial (EOI). En el acto se rindió también homenaje a Pilar Mateo, una de las científicas españolas más reconocidas internacionalmente y por cuyo trabajo y trayectoria la directora de la OEPM le entregó una placa conmemorativa.



Los galardonados en estos premios a las mejores patentes y modelos de utilidad en las categorías de inventor/a joven, mujer inventora y absoluta se recogen en la [Resolución de la Dirección de la Oficina Española de Patentes y Marcas, O.A.](#)

[Vídeo de la ceremonia de entrega de Premios](#)

## TRES INVESTIGADORES ESPAÑOLES SE ALZAN CON EL “PREMIO JÓVENES INVENTORES 2025” QUE CONCEDE LA OFICINA EUROPEA DE PATENTES



Los investigadores españoles y fundadores de la empresa Oscillum, Pilar Granado, Pablo Sosa y Luis Chimeno, se alzaron el pasado 18 de junio con el “Premio Jóvenes Inventores 2025” que concede la Oficina Europea de Patentes.

Estos jóvenes inventores han sido galardonados con el Premio del Público, elegido por votación online. La invención que les ha llevado a hacerse con este prestigioso reconocimiento consiste en el desarrollo de unas etiquetas inteligentes y biodegradables que muestran en tiempo real el estado de los alimentos, combatiendo así el desperdicio alimentario.

[Más información](#)

## LA OEPM RECIBE UN PREMIO POR SU LUCHA CONTRA LAS FALSIFICACIONES EN LOS GLOBAL ANTI-COUNTERFEITING AWARDS 2025

La *Oficina Española de Patentes y Marcas, O.A.* (OEPM) ha recibido el premio Global Anti-Counterfeiting Award 2025 en la categoría National Public Body por su papel en la protección jurídica de activos intangibles y por fomentar un entorno de confianza para emprendedores y empresas. El jurado ha destacado el papel de la Oficina en la lucha contra la piratería y la falsificación, colaborando activamente con las autoridades aduaneras para impedir la entrada de productos que vulneran los derechos de Propiedad Industrial (PI). Asimismo, se ha reconocido la contribución de la OEPM a la internacionalización de marcas españolas y su compromiso con la digitalización para facilitar el acceso a sus servicios a cualquier ciudadano o empresa.



Estos galardones los concede el *Global Anti-Counterfeiting Group (GACG)*, una red internacional de organizaciones nacionales y regionales de protección y observancia de la PI que abarca más de 15 países.

**Más información:** [World Anti-Counterfeiting Day, Campaña OEPM stopfalsificaciones](#)

## EL DÍA MUNDIAL DE LA PROPIEDAD INTELECTUAL E INDUSTRIAL VIBRA ESTE AÑO AL RITMO DE LA MÚSICA



Cada 26 de abril se celebra el Día Mundial de la Propiedad Intelectual para reconocer la labor de los creadores e inventores de todo el mundo y para ayudarnos a comprender cómo la innovación tecnológica contribuye al florecimiento de las artes que nos emocionan y nos hacen vibrar cada día.

En la Oficina Española de Patentes y Marcas (OEPM) lo hemos celebrado por todo lo alto con un acto en el que hemos aprovechado para

dialogar, reflexionar y, por supuesto, disfrutar de la música en directo

[Más información](#)

