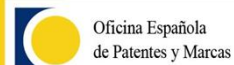


NIPO: 220-24-025-9



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

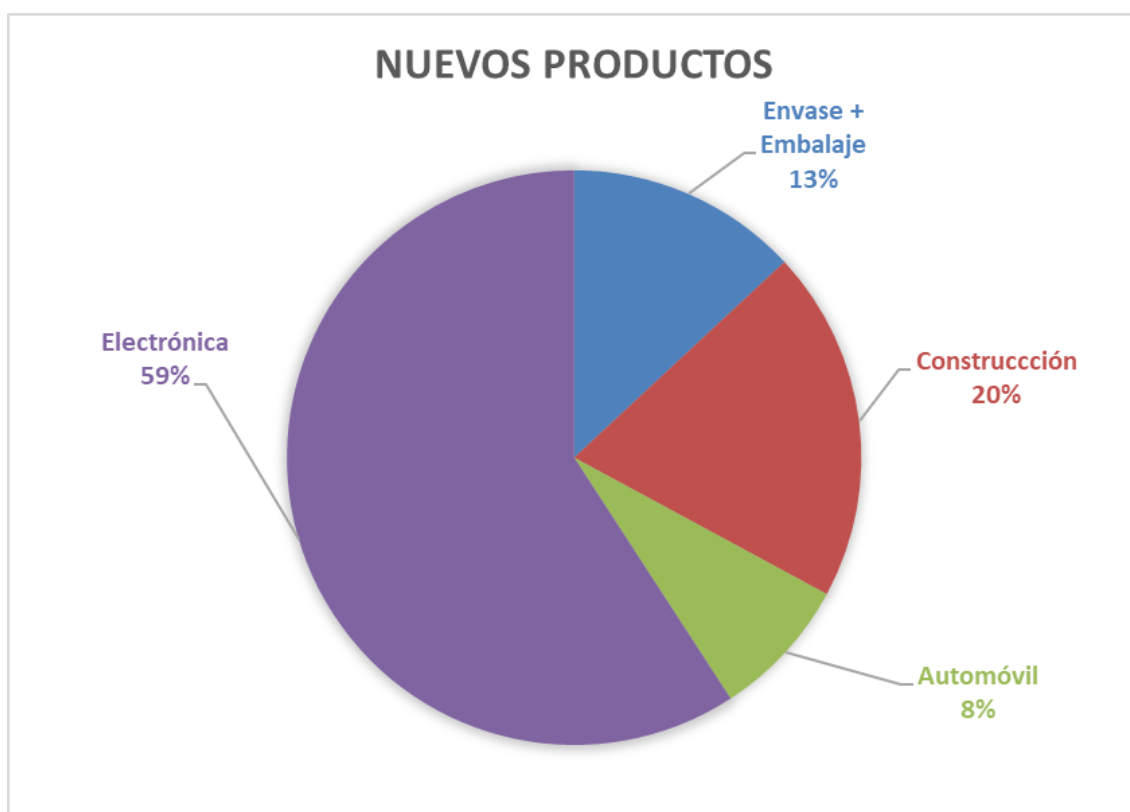


NUEVOS PRODUCTOS

SOSTENIBILIDAD Y
ECONOMÍA CIRCULARNUEVOS PROCESOS
INDUSTRIALESMATERIALES CON
PROPIEDADES AVANZADAS
O MEJORADAS

NUEVOS PRODUCTOS

En el siguiente gráfico se muestra la distribución de las 13.351 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
WO2024145589	(REHE) REHEX LLC; (TODD) TODD LUCAS MICHAEL	Apparatus for making tessellated packaging material, has first and second roller dies that are aligned such that valleys on second roller die intermesh with ridges of first rotary die, and first roller die is configured to rotate around its axis
EP4400441	(SEDA) SEDACOR SOC EXPORTADORA DE ARTICOS DE CORTICA LDA	Cap for capped stopper used in E.G. sealing bottles containing contents, has particles selected from cork or polymer or wood or coconut fibers, and binder selected from list consisting of latex, polyurethane resins, phenolic resins and/or melamine resins
DE202024103950	(BETT) BETT1 DE GMBH	Mattress used for trade and shipping, has packaging, where mattress is arranged within packaging, packaging has at least one paper layer with at least one coating made of weldable material, weldable material has thermoplastic selected from polyurethane, acrylonitrile-butadiene-styrene
DE102024111571	(GUEN) GUENTHER KARL	Packaging system for pourable foodstuff, has portion packs, which are filled with pourable foodstuff and packaged in outer packaging, and portion packs are designed as tubular portion bags and outer packaging is folding box in which tubular portion bags are arranged
DE202024104340	(TECH) TECHNO FOR FUTURE SRL	Bottle, such as glass bottle, with anti-drip device for holding wine, has anti-drip device comprising lower edge and upper edge, where device is arranged on upper edge of neck of bottle, and comprises cylindrical sleeve and ceramic color coating
WO2024165793	(UALT) AALTO UNIV FOUNDATION SR	Bio-based sealed gas material useful in protecting items from breakage due to external pressure or hit or the movements and collisions of items, or as insulation material, or as coating or filler
US2024294303	(CEPT) CHEP TECHNOLOGY PTY LTD	Stackable quarter-size plastic platform for use in retail store for displaying products for customer purchase, has platform support legs extended from lower surface of top deck and aligned with platform support leg openings
WO2024182586	(STAR) STARBUCKS CORP	Container for storing beverage, has base comprising first portion comprising first thickness, and second portion comprising second thickness, where sidewall is coupled to edge of base and second thickness is greater than first thickness

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
EP4431472	(VETR) VETROPACK HOLDING AG	Glass container for consumer products E.G. beverages, has tempered section that forms sandwich structure comprising outer compression stress layer and inner tensile stress layer, and bottom section comprises bottom tempered section

Construcción

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024194259	(STUR) S T U R C SUSTAINABILITY TRACEABILITY UPCYCLING RESOURCE EFFICIENCY COFFEE GROUND OG	Wood fiberboard used for E.G. construction and furniture industry, preferably for insulation purposes, has solid content of wood fibres which are bonded with urea-formaldehyde resin, and comprises coffee grounds with preset solid content
WO2024149782	(COMP) SAINT GOBAIN ISOVER	Insulating element used in thermal insulating system, is made of bonded mineral fibers having main surfaces which are rough surfaces with preset root mean square surface roughness and side surfaces perpendicular to main surfaces
WO2024155802	(CRDL) CARDINAL CG CO	Multiple-pane insulating glazing unit for glazing assembly, comprises spacer, aerogel sheet, and perimeter mold frame which are located between two panes, in which perimeter mold frame is arranged about perimeter of aerogel sheet
WO2024164028	(ADBU) ADVANCED BUILDING PRODUCTS INC	Rafter vent used in new construction using spray foam insulation under the roof deck, has ventilated mat extending along roof structure, where ventilated mat has entangled filaments and backing adhered to ventilated mat along first surface of ventilated mat configured to face opposite roof structure
WO2024161020	(AVEN) AVENEX COATING TECH KFT	Self-adhering roof underlayment used to provide layer of additional resistance for moisture to pass through roof into building, comprises barrier layer, adhesive layer, activator layer comprising activator chemical, and release liner
WO2024161030	(AVEN) AVENEX COATING TECH KFT	High traction roof underlayment comprises barrier layer, release liner provided over adhesive layer, and traction layer on surface side of underlayment and comprising friction layer comprising friction material in discontinuous pattern

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024179705	(BURG) BURGBAD AG	Drain closure for use in washbasin, for selectively storing or draining medium E.G. water, from basin into drain pipe, has closure element including sealing position and drain position, where seal exists between cover element and closure element in sealing position
WO2024188991	(SOLA) SOLARDUCK HOLDING B V	Truss for offshore platform structure, has beams and structural element that are connected to each other through metal insert in first and second holes, where insert forms interference fit with beams and other structural element
WO2024189302	(BLIN) BLIND SCREEN LTD	Single-unit double-track blind system for use in E.G. fixed buildings, has system body for providing two tracks, where first track is represented as fly net and another track is represented as blind that are combined in single unit
WO2024193743	(TETZ) TETZ FRIEDHELM	Pool cover for swimming pool, has interior, openable roof area and wall which is towards interior is mirrored, and vertically delimits rod and encloses interior, and roof area limits rods horizontally

Automoción

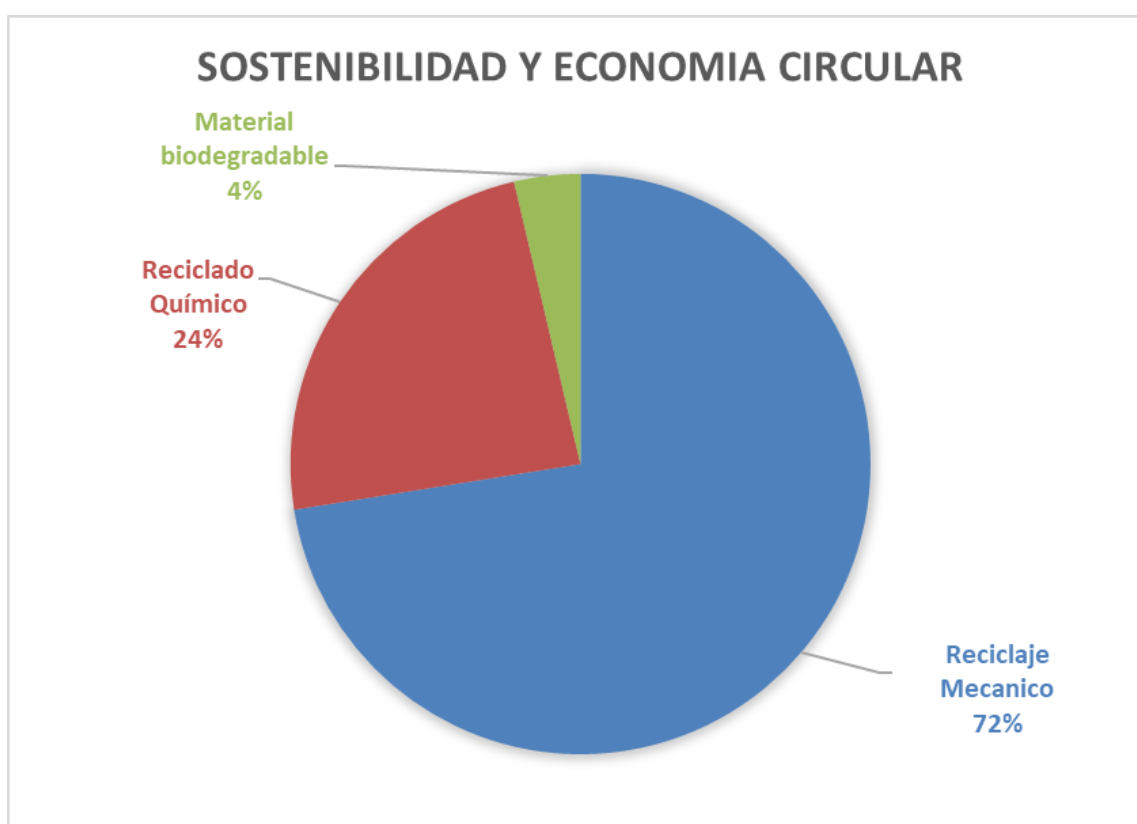
Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2024239422	(MOLN) MOLNAR LASZLO	Flexible tail for use in vehicle E.G. commercial semi-tractor truck, to maximize aerodynamic profile of vehicle, has top tube and bottom tube respectively connected with two vertical inflatable tubes to form polygonal-shaped base of pyramidal base, and retraction device arranged in tail main body
US2024246400	(GJRR) GJR RACING LLC	Top for automobile, comprises fabric layer, front header cable that is embedded in fabric layer, preformed header rail defining channel configured to releasably couple to a windshield frame of automobile, and one rear strap configured to couple to automobile and to fabric layer
EP4406786	(VOLV) VOLVO TRUCK CORP	Structural unit for truck grille of truck, has beam made of fiber-reinforced plastic, where beam comprises web extending from first flange to second flange, and material of beam comprises mix of reinforcing glass fibers with polyamide plastic material

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE102023101881	(CLAA) CLAAS SELBSTFAHRENDE ERNTEMASCHINEN GMBH	Self-propelled harvesting machine I.E. forage harvester, has sieve device arranged in upstream of cooling body in flow direction of cooling air flow, fixed on housing and provided with rotationally symmetrical frame and flat sieve element stretched on frame
DE102023104736	(TEXT) KAUTEX TEXTRON GMBH & CO KG	Underbody protection for traction battery of electric motor vehicle, has protective element connected to plastic layer, and foam layer connected to inner surface of underbody protection
US2024300397	(GILB) HOFFMAN CHERYL; (HOFF) GILBERT JUSTIN	Bendable sliding bed platform for pick-up lorry for transporting, loading, and unloading cargo items, has handles arranged on planar base, and sliding lorry bed platform body adapted to be placed in inner side lorry bed of pick-up lorry containing items
DE102023105465	(BAYM) BAYERISCHE MOTOREN WERKE AG	Cargo space partition for motor vehicle, has flexible sheet-like structure which can be folded from use position into storage position, and fastening device fastens loading space partition to motor vehicle, and are connected to hem through connecting element

VOLVER A
CONTENIDO

SOSTENIBILIDAD Y ECONOMÍA CIRCULAR

En el siguiente gráfico se muestra la distribución de las 1.112 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
US2024254297	(UYFL) UNIV CENTRAL FLORIDA RES FOUND INC	Composite for producing biodegradable coatings having low contact angle hysteresis for omni-phobic applications, comprises one polymer substrate and/or one functionalized polymer substrate, and/or Lycopodium, functionalized Lycopodium and/or any derivative of Lycopodium japonicum
WO2024161416	(COUI) COUNCIL OF SCIENT AND INDUSTRIAL RESEARCH AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGN OF S	New caprolactone based biodegradable compounds used in pharmaceutical field in controlled release systems, drug delivery system/carrier, bioimaging, and implants, where drug is anticancer drugs E.G. camptothecin and doxorubicin
KR20240120983	SEONGWON COMPANY [KR]	Biodegradable plastic using kenaf and eco-friendly kenaf product including disposable cup
WO2024162365	(KURS) KURARAY CO	Polyvinyl alcohol resin used for forming extrusion molded product E.G. water soluble film and filament, comprises modified polyvinyl alcohol containing N-vinyl amide units as main component, and has preset number ratio of different sized particles
WO2024166833	(SPIB) SPIBER INC	Production of block copolymer used in adhesive for molded component, involves mechanochemically treating mixture containing protein and molecule capable of plasticizing the protein
KR20240126353	KYUNGPOOK NAT UNIV IND ACADEMIC COOP FOUND [KR]	PLA Biodegradable polymer composition containing PLA and nanosilica acting as chain extender and/or compatibilizer
KR20240125731	SAMYANG CORP [KR]	Hydrophobically modified starch composition and biodegradable thermoplastic resin composition comprising the same and processed article thereof
KR20240128467	SILVERSTAR CHEMICAL [KR]	Bioplastic complex materials comprising biomass
FI20235918	TAMPEREEN YLIOPISTO [FI]	Biopolymeric optical fiber
WO2024185563	(TORA)	Polyhydroxyalkanoic acid film used for E.G. package, has preset puncture strength
FI20235295	BRIGHTPLUS OY [FI]	Coating composition for porous substrate
PL444150	UNIV HUMANISTYCZNO PRZYRODNICZY IM JANA DLUGOSZA W CZESTOCHOWIE [PL]	Compostable insert for a candle or heater, cartridge for such an insert and polymer composition for its production

Reciclado Mecánico

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
EP4397465	(CONT) CONTINUOUS MAT INTELLECTUAL PROPERTY LLC	Method for generating paper and plastic fragments using moisture content to control fragment size distribution and mechanical properties of product, involves disintegrating batch of paper and plastic material after drying to form multiple paper and plastic fragments
ES2977135	(ACCI) ACCIONA CONSTRUCCION S A; ACCIONA GENERACION RENOVABLE S A	Composite material of pultruded profiles, has reinforcing material that is embedded in polymeric matrix, and filler material which is dispersed throughout volume of polymeric matrix in homogeneous manner, where polymeric matrix is cross-linked polymer
WO2024160326	(VSTA) VESTAS WIND SYS AS	Processing a printed circuit board including an epoxy-based composite material, comprises exposing the board to a swelling agent having formic acid and acetic acid, until epoxy has swollen sufficiently to disintegrate into swelled epoxy particles, and separating particles from printed circuit board
EP4410511	(UPMK) UPM KYMMENE CORP	Method for manufacturing natural fiber plastic composite material, involves forming natural fiber plastic composite material comprising basic mixture by using melt processing, and chopping label stock based waste before pulping label stock based waste into label stock based pulp
WO2024159099	(CARB) CARBON RIVERS G2G INC	Apparatus used for removing char from glass fibers and for increasing tensile strength of glass fibers, consists of molten salt bath comprising stages configured to heat glass fibers, movable separator and transport unit
US12054895	(GRIP) GRIPP DARREN; GRIPP JESSIE	Composite paver used in outdoor spaces, has base layer formed from mixture of concrete and epoxy, appearance layer located on top of base layer having multiple of vinyl flakes, and encapsulation layer applied over appearance layer and comprising epoxy and clear sand for slip resistance
WO2024161027	(DAHE) DAHER AEROSPACE	Method for manufacturing two composite components, involves compounding obtained ground material to obtain compound, obtaining second composite component by shaping obtained compound, and binding second composite component to structural component

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024160325	(VSTA) VESTAS WIND SYS AS	Method for retrieving recyclable fiber mat from epoxy composite structure involves providing epoxy composite structure made from composite material comprising fiber mat embedded in matrix of epoxy resin, exposing epoxy composite structure to release agent, and retrieving fiber mat
US2024262011	(ALBE) EWERS CAROLINE ALEXANDRA; (EWER) GLAGE LEANDRA; (GLAG) ALBERG LENA MARIE; (KNIG) KNIGGE BENJAMIN	Device for recycling E.G. plastic water bottle by using home recycling machine in home environment, has robot unit configured to roll out intermediate portion of plastic container, to move intermediate portion of plastic container to mold unit
DE102023200980	(VOLS) VOLKSWAGEN AG	Method for producing dry film from dry film material, involves feeding solvent free dry film material and feeding material residues from formation of dry film and/or cutting dry film to device for producing solvent-free dry film
CN118478455	(WERN) COPERION GMBH	Processing plant for processing plastic recycling material such as PCR obtained from disposable packaging or single-use PET bottles, has rinsing chamber for heating and rinsing plastic recycling material with rinsing air feed for feeding heated rinsing air into rinsing chamber
GB2626914	(ABAP) ABAPLAS RECYCLING LTD	Manufacturing resin coating used as scratch coat, screed, repair compound, anti-slip coating for concrete floor, involves mixing resin with graded recycled plastic aggregate, and adding hardener to resin, where graded recycled plastic aggregate is produced by crushing scrap plastic
ES2978361	CADEL RECYCLING LAB S L [ES]; KYOEI IND CO LTD [JP]	Procedimiento para la separacion de recubrimientos siliconados de film plastico
US2024270976	(ECOP) ECO PATH STRIPING LLC	Manufacturing improved composition for melt-bonding road marking compound, involves preparing polyethylene terephthalate component from pulverized plastic, combining polyethylene terephthalate component, pigment component, filler component, silica component and binder component
US2024270924	(KOLI) KOLINSKY LAURA; KOLINSKY MARKIAN	Recycling unit for recycling plastic waste, has main body and nozzles positioned within main body, grated shelf within main body, and temperature control device attached to main body, and configured to regulate internal temperature of recycling unit

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024165917	(SAFE) SAFETY ENG S R L S	Device for separating recycling fractions of multiple fragments from heterogeneous composite material, has first inlet arranged at front wall, and first outlet arranged at first lateral wall for exit of first recycling fraction
WO2024175412	(AQOR) BOSTIK SA	Recovering plastic material(s) from post-consumer disposable absorbent article involves providing post-consumer disposable absorbent article, immersing post-consumer disposable absorbent article in alkaline aqueous solution in conditions sufficient to obtain debonding of plastic material(s)
WO2024170554	(CNRS) TOTALENERGIES ONETECH; (LYON) UNIV CLAUDE BERNARD LYON 1 UCBL; (PETF) CENTRE NAT RECH SCIENT; (UYLY) UNIV JEAN MONNET SAINT ETIENNE; (UYMO) INSTITUT NAT DES SCIENCES APPLIQUEES DE LYON INSA LYON	Polypropylene composition useful for producing product I.E. bottle and container by injection-molding, comprises polypropylene
WO2024176088	(ATIU) ATIU S R L	Method for removing printing film from hollow structure E.G. bottle, involves supplying pressurized fluid to micro-channels at pressure, such as to detach portionly film from hollow structure when film is in plastic
CN118620354	(CANO) CANON KK	Stretch blow-molded article I.E. toner bottle for use in electrophotographic image forming apparatus, comprises first polyester and second polyester having structure corresponding to terephthalic acid and bisphenol A
US2024308110	(CAMB) CAMBIO ROASTERS LLC	Device for securely holding single-use containers I.E. coffee pods, has cable fastener binds containers into attached unit, where attached unit has less volume than total volume of containers when containers separated, where proximal end of fastener fastened to distal ends to create loop
WO2024194284	(SIEG) SIEGWERK DRUCKFARBEN AG & CO KGAA	Primer composition for delaminating and/or deinking of substrate, comprises as first binder component modified rosin resin selected from maleic-modified fumarate-modified rosin resin having certain acid value and being dispersible in alkaline medium, and film-forming polyurethane

Reciclado Químico

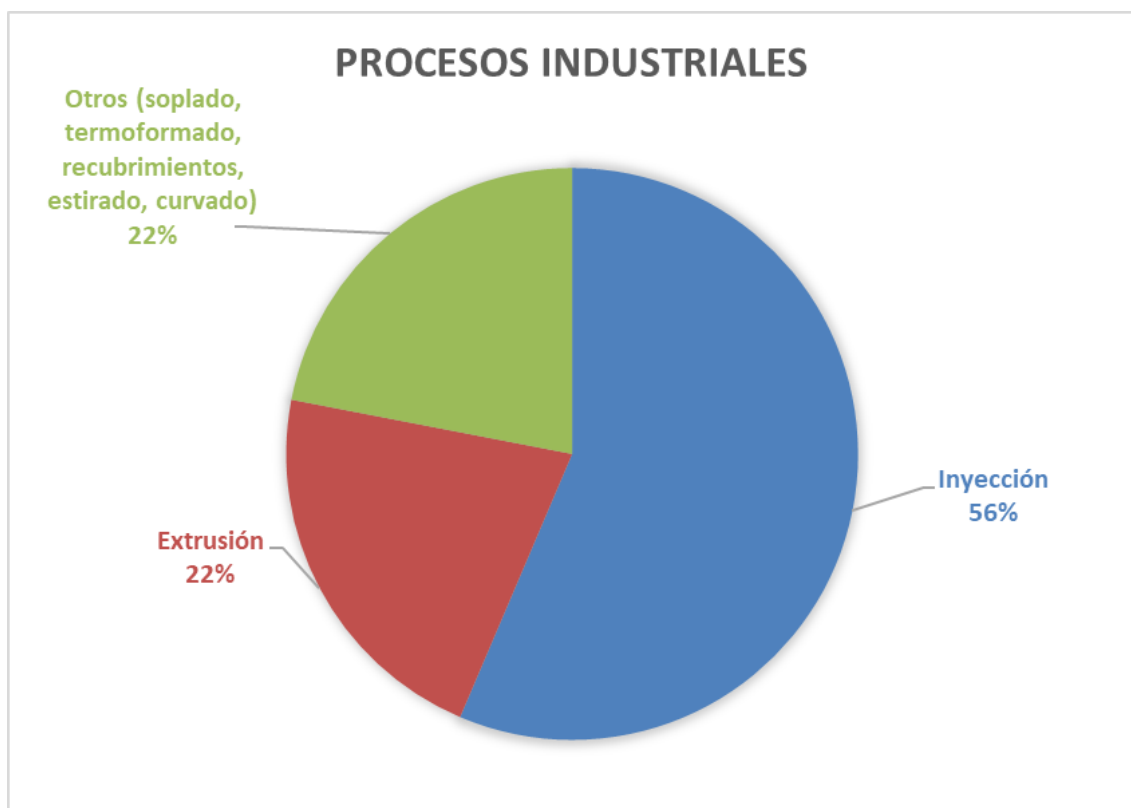
Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024141649	(BADI) BASF SE	Recovering elastic polyurethane from composition having elastic polyurethane foam, used to prepare shaped article, by heating polyurethane foam composition, and contacting composition with solvent mixture of alcohol and cyclic amides
EP4397651	(UKOB) UNIV COPENHAGEN	Chemical depolymerization of poly(ethylene)terephthalate (PET) by providing material of PET, mixing material of PET with source of carbon dioxide, source of amine, and substituted hydrocarbon containing compounds, heating obtained mixture and obtaining product of substituted aryl compounds
WO2024146827	(UKOB) UNIV COPENHAGEN	Chemical depolymerizing poly(ethylene)terephthalate involves mixing material comprising poly(ethylene)terephthalate with source of carbon dioxide and amine, and methylene containing compounds, and heating mixture
WO2024153780	(UANT) UNIV ANTWERPEN	Processing of rubber composite material from E.G. waste tire material, involves sequentially contacting rubber composite material with solvent and ozone, and reacting product with aqueous composition containing water, or organic base or its N-oxide to obtain bifunctional oxygen-containing compound
WO2024165638	(POLY) POLYTECH AS	Recovery of recycled polyol used as component of polyurethane, involves contacting polyurethane with catalyst and glycolizing compound comprising hydroxyl groups to obtain reaction mixture, reacting reaction mixture, separating recycled mixture and, using recovered polyol for polyurethane synthesis
WO2024175671	(BADI) BASF SE	Depolymerization of polyamide-6 to caprolactam, involves preparing mixture of solid material containing polyamide, alkali metal compound and alkaline earth metal compound, additive, polyamide-66, epsilon-caprolactam, and depolymerizing prepared mixture
EP4424663	SK CHEMICALS CO LTD [KR]	Method for preparing recycled material using waste copolyester, and recycled material composition
WO2024184029	(INSF) IFP ENERGIES NOW	Treatment of plastic feedstock for recovering thermoplastic polymer, involves dissolving plastic feedstock in solvent to obtain crude polymer solution, decanting to obtain decanted polymer solution, and separating solvent and polymer

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024194724	(INVT) INV NYLON CHEMICALS AMERICAS LLC; INVISTA TEXTILES U K LTD	Method of recycling polyamide composition, involves pre-treating polyamide composition comprising polyamide to produce polyamide oligomer composition comprising polyamide oligomers, and subjecting polyamide oligomer composition to ammonolysis to produce polyamide precursor composition

VOLVER A
CONTENIDO

NUEVOS PROCESOS INDUSTRIALES

En el siguiente gráfico se muestra la distribución de las 8.761 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
WO2024183918	(EVTH) EV GROUP E THALLNER GMBH	Mold insert arranged in carrier substrate of injection molding system for producing micro and/or nanostructure on molded portion, has carrier substrate and structural element that are designed such that mold insert is elastically deformable in regions of assembled state
CN118617699	(SHIH) SEIKO EPSON CORP	Injection molding system for deriving optimal molding conditions of product, has molding device configured to discharge material into molding pattern and perform injection-mold to form molded product according to molding condition
WO2024153560	(COMP) SAINT GOBAIN	Method for manufacturing E.G. laminated type glazing of motor vehicle, involves closing drawer of mold to ensure sealing of cavity surrounding fixing zone, and injecting encapsulation composition inside cavity of mold through nozzle
CN118404782	(SHIH) SEIKO EPSON CORP	Plasticizing device for use in injection molding device of three-dimensional shaping device for fused deposition modeling, has flat screw that includes first side surface in which introduction port for introducing material from supply port into groove is partially formed
CN118528491	(CONW) CONTINENTAL AUTOMOTIVE TECH GMBH	Method for manufacturing E.G. position sensor of crankshaft for motor vehicle, involves injecting material into mold to obtain final overmolding of sensor, and removing mold to obtain sensor
CN118528489	(CONW) CONTINENTAL AUTOMOTIVE TECH GMBH	Method for manufacturing electronic sensor for vehicle, involves forming hatch adjacent to belt in plane of lower face of main portion while being connected to lateral joining face by portion of overmolding material
US2024246273	HOWA CO LTD [JP]	Vehicle interior and exterior member, method of manufacturing vehicle interior and exterior member, and press mold used for manufacturing vehicle interior and exterior member
DE102023200101	(FAUR) FAURECIA INNENRAUM SYSTEME GMBH	Molding tool E.G. mold for producing molded unit E.G. vehicle interior trim component, has first tool unit comprising recess for receiving device connection firmly connected to functional device and closure unit for closing recess

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE102023103881	(MEIS) MEISER GMBH & CO KG C	Tool mold for sealing edge region of temperature exchange structure of temperature exchanger used for E.G. extinguishing battery fire, has receptacle which is composed of projections that partially compress edge region at distance from edge of temperature exchange structure
CN118544520	(SHIH) SEIKO EPSON CORP	Injection molding system for molding molded article by using workpiece, has robot including base, first arm coupled to base through first joint, and second arm coupled to base through second joint with rotation axis parallel to rotation axis of first joint
US12053916	(JONE) JONES PHILIP	Molding device for producing thermoplastic articles by large computer numerical control milled mold, has fastening screws removably securing 3D-printed die to CNC milled mold cavity, and injection port injecting thermoplastic material into 3D-printed die
FR3144538	(CLAY) SAFRAN NACELLES; (SFRA) CLAYENS NP	System for injecting material into mold by injecting thrust reverser grid of aircraft reactor, has first set of injection points arranged in front part of mold, and second set of injection points arranged in rear part of mold
CN118618247	(HYMO) HYUNDAI MOTOR CO LTD; (HYMR) KIA CORP; (KBID) KBI DONGKOOK IND CO LTD; (KIAK) HYUNDAI MOBIS CO LTD	Crash pad assembly for use with integrated airbag slot for housing and expanding or deploying vehicle airbag, has hinge groove for forming expansion line, and reinforcement portion connected to airbag housing body that houses passenger airbag
CN118404786	(INOZ) SODICK CO LTD	Injection molding assistance system for determining optimal molding conditions in injection molding machine controlled for injecting molten material into cavity of metal mold according to set molding conditions, has molding control unit causing injection molding machine to prototype molded product
CN118617701	(SUMH) SUMITOMO HEAVY INDUSTRIES	Control device of injection molding machine, has time setting unit that sets timing at which stop process is to be switched to pressure holding process based on actual value of pressure in stop process
US2024253282	(CREA) CREATIVE PLASTIC CONCEPTS LLC	Method for manufacturing storage container from injection molding process with host of materials including metals, glasses, elastomers, confectons and thermoplastic and thermosetting polymers for use in E.G. hot runner injection molding system, involves injecting molten material into cavity

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN118559981	(SHIH) SEIKO EPSON CORP	Plasticizing device for use in injection molding machine, has heating unit for heating material supplied between flat screw and barrel, and barrel comprising separate structure including first element having facing surface and second element separated from facing surface
EP4417391	(EADS) AIRBUS OPERATIONS GMBH	Mold for forming tool for E.G. resin transfer molding processes, has mold which is adapted to act together with another mold of forming tool in order to form cavity for product to be fabricated, and mold limits on one side cavity by inner surface
AT526914	(GREI) GREINER PACKAGING INT GMBH	Film element E.G. in-mold label of film element stack for injection molding tool for producing plastic product, has lifting unit which is formed on outer side, and is provided with contact surface that is designed for mounting film element to form film element stack
WO2024191504	(MOXI) MOXIETEC LLC	Plaque mold assembly for forming polymer components I.E. thermoplastic foams such as cellular thermoplastics, has sensor of mold cavity used to form polymer component is arranged to measure environmental parameter during forming of polymer component
DE102023102706	(NETZ) NETZSCH PROCESS INTELLIGENCE GMBH	Injection molding machine E.G. thermoplastic injection molding machines, has sensor control coupled with dielectric or acoustic sensors and designed to ascertain time-dependent degree of crystallization and median temperature of molding material in cavity of injection molding tool
CN118386500	(BSHB) BSH HAUSGERAETE GMBH	Injecting plastic part by injection molding machine, comprises equipping injection molding machine with injection mold, providing plastic material, and heating mold cavity to second temperature within processing window of plastic material
DE102023101100	(PFAF) STEFAN PFAFF WERKZEUG UND FORMENBAU GMBH & CO KG	Gripping device for handling and positioning flexible profiles E.G. door seal profile for injection device, has gripper that is designed in manner that at least main contact surface or main and secondary contact surfaces rest on profile in one clamping state
WO2024194572	(AQOR) ARKEMA FRANCE	Overmolded composite structure used in nautical comprises first component comprising at least one fibrous material and matrix resin composition comprising at least one polyamide and second component comprising overmolding resin composition

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE102023101513	(ITMA) MARELLI AUTOMOTIVE LIGHTING REUTLINGEN GERMANY GMBH	Projection lens produced by injection molding tool for motor vehicle headlight, has multiple layers that lie between first optical surface and first layer form first partial lens, and second partial lens is provided with all layers lying between second optical surface and first layer
EP4417106	(IVOC) IVOCLAR VIVADENT AG	Injection molding tool for producing folded mouth cheek retractor, has third cavity that produces film section between lip ring and vestibular ring, which extends in U-shape in cross-section between first and second cavities
WO2024194571	(AQOR) ARKEMA FRANCE	Overmolded composite structure used for manufacturing components for aeronautics, comprises component containing fibrous material and matrix resin composition containing thermoplastic polymer having preset number-average molecular weight, and component containing over molding resin composition
DE102023102992	(ENNO) ENNOVI ADVANCED ENG SOLUTIONS GERMANY GMBH	Method for manufacturing sealed busbar, involves overmolding metallic busbar with plastic overmolding around areas of sealing unit by injection molding device in such way that sealing unit is completely overmolded, and manufacturing sealed busbar by providing busbar with busbar connections
DE102023135666	(RIVI) RIVIAN IP HOLDINGS LLC	Apparatus for manufacturing instrument panel of vehicle, has plate element including weakened portion integrally molded with plate element to create tear seam, and channel element for supporting airbag, and directing airbag through tear seam
CN118636412	(ENGA) ENGEL AUSTRIA GMBH	Closing unit I.E. two-plate closing unit, for use in shaping machine for applying closing force to shaping tool, has cylinder chamber delimited on pull rod side by cover, where cover is penetrated by pull rod
AT526988	(ENGA) ENGEL AUSTRIA GMBH	Closing unit for shaping machine E.G. injection molding machine, has synchronization rod that is provided for synchronizing positions of two locking nuts and attached to outer surface of at least one of two locking nuts
US2024227260	(OURA) OURA HEALTH OY	Method for manufacturing wearable ring device to collect physiological data, such as heart rate from users by using smartphone to assist user with improving their overall health, involves injecting fillable material through opening in wearable ring device such that fillable materials fills cutouts

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN118378926	(SHIH) SEIKO EPSON CORP	Molding management system for supporting manufacturing management of products, has calculation section for generating report based on molded article information, and output section for outputting report generated by calculation section, where report includes identification information
DE102023200670	(ZAHF) ZAHNRADFABRIK FRIEDRICHSHAFEN	Method for producing ball joint in chassis component of E.G. motor vehicle, involves increasing thickness of plasticized plastic surrounding joint ball locally at thickening points, while joint ball is surrounded by plasticized plastic
DE102023100778	(FAUR) FAURECIA INNENRAUM SYSTEME GMBH	Molding tool, has locking device arranged to lock holding element in removal position when ejection rod is moved from intermediate position to extended position and from extended position to retracted position
CN118631633	(SHIH) SEIKO EPSON CORP	Molding management system for managing an injection molding machine I.E. extrusion machine, has acquisition unit to acquire three abnormality information including information on injection molding machine and information on type of abnormality occurring in machine
CN118358114	(HEIJ) MD ELEKTRONIK GMBH	Insert for injection molding tool used in cable assembly, which forms predetermined volume in injection molding tool that is overmolded with injection molding material, and is made entirely of plastic
US2024239031	(TOYT) TOYOTA ENG & MFG NORTH AMERICA	Mold locking assembly for molds used during injection molding process, has pneumatic actuator rigidly attached to actuator mounting plate and configured to engage and move L-shaped latch arm between locked position and unlocked position
CN118456804	(SUMH) SUMITOMO HEAVY INDUSTRIES	Terminal box of injection molding machine for accommodating terminal block that electrically connects wires, has wall provided to partition inverted conical rotary body of which axis of rotation is straight line extending directly upward from center of opening for wire
EP4410526	(ROHR) ROHR INC	Method for manufacturing fiber-reinforced composite duct structure of aircraft propulsion system for delivering air to engine, involves forming first duct section with tubular first sidewall, and forming duct structure by attaching second duct section to first duct section

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN118386504	(NIKL) JAPAN STEEL WORKS LTD	Injection molding machine used to manufacture molded article from material I.E. resin material, such as beads, has controller for performing first diagnosis processing including one of abnormality detection and lifetime prediction of first component based on first data detected in first mode
DE102023100765	(STEI) STEINCO PAUL VOM STEIN GMBH	Wheel for single or double caster for furniture, has spokes connected by inner ring that partially envelops wheel bearing, where tire includes respective double sided cross section increase in portion of each spoke forming support point for spoke during fabrication of rim
DE102023005174	(DAIM) MERCEDES BENZ GROUP AG	Camber arm for vehicle E.G. motor vehicle, has thermoplastic reinforcement that covers sheet metal portion, such that thickness of thermo-plastic reinforcement is configured to meet strength requirement of camber arm
WO2024149800	(EARF) EARFAB APS	Injection molding system for production of device being positioned within ear canal of user, has inner mold that is made of polymeric material, and outer mold that comprises first injection gate leading into first cavity
WO2024175676	(REIN) REINFORCE3D S L	Pushable reinforcement elongate member for use in composite material E.G. polyester, has one elongate element that is joined to first group of continuous fibres, to transfer pushing compression force in their longitudinal direction, from one elongate element to first group of continuous fibres
US2024279411	(EASY) EASY FACTORY LIMITED; (VERY) VERY GREAT INC	Reusable silicone wrap used to form air-tight seal around perishable item, such as foodstuff, having shore hardness value ranging from about specified range
US2024294813	(USAF) US GOV AIR FORCE	Bonding two or more articles involves applying polyimide, polymer mixture comprises polyimide and/or composite comprises polyimide and a filler, or two or more articles to form adhesive article, then contacting with remaining articles and applying pressure and heating contacted adhesive article
CN118536847	(SHIH) SEIKO EPSON CORP	Molded product management system, has screen generating unit configured to generate screen, display unit configured to display screen, and first region for enabling update of information concerning threshold of molded product provided on screen

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024180102	(VALO) VALEO VISION	Optical element of light module for luminous devices of motor vehicles, has housing that comprises second portion distinct from first portion and arranged between injection point and second light guide provided further from injection point than first light guide
EP4406446	ARMOUR SURVEILLANCE SECURITY EQUIPMENT AND TECH LTD [GB]	A strap for a wearable device
US2024295266	(CENT) CENTEX IND GASKET LLC	Elastomeric sealing device for sealing connection between mechanical components, used in various industrial and heavy equipment applications, has metal insert surrounding each bolt holes, where fastener holes extend through sealing device
DE102023000968	(DAIM) MERCEDES BENZ GROUP AG	Trim portion for bumper of motor vehicle E.G. electrically operated motor vehicle, has inside component that is provided with first wall region and second wall region which is designed to be more flexible, where outside and inside components are provided to delimit receiving space
WO2024170965	(THEM) THEMA 2 S R L	In-mold labeling method for producing support for winding flexible element, involves providing in-mold labeling label in form of substrate including first face on which radio frequency identification transponder is arranged
WO2024151796	(THER) THERMOFLEX CORP	Plastic article with faux stitching comprises applique having front side and rear side opposite front side, and formed of thermoformed plastic sheet, injection molded plastic platform, and applique is insert-molded to platform with rear side of applique bonded with platform
WO2024189413	(KATO) RICOH COMPANY LTD; (NARI) NARITA SUSUMU; (RICO) YOSHIKAWA MASA AKI; (SAKA) SAKAUE YOSHINOBU; (YOSH) KATO YUJI	Optical scanning device for use in image forming apparatus, has one of electronic component and optical component that are used for an optically-writing scanning system serves as heat-generating component that generates heat as power to be applied to operation is supplied
DE102023103666	(OTTO) OTTO MAENNER GMBH	Injection mold for use in an injection molding system for injecting liquefied material, has load cell comprising transducer to determine forces transmitted in axial direction between front section and rear section during operation
EP4411673	(EIGH) SAS 843	Plastic cap of bottle storing mineral water or water, has distinguishable elements which are identifiable on portion of surface of identification zone in cap main portion, where marker is formed near or inside identification zone

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN118317229	(PRMX) TYMPHANY HK LTD	Method for manufacturing diaphragm assembly of speaker of portable device by using alignment features, involves providing cone with alignment feature at peripheral edge, and providing mounting tool that has cooperating fixing element, and forming surround at peripheral edge of cone
CN118423341	(BOEL) BOELLHOFF VERBINDUNGSTECHNIK GMBH	Adjustment element for fastening and positioning structural component E.G. vehicle lamp in space, has damping fastening sleeve arranged within tubular fastening opening so that vibrations between component and hollow screw are reduced

Extrusión

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2024227270	(GREE) GREEN FOX PLASTICS LLC	Method for injecting colorant into plastic or composite lumber product, to produce E.G. furniture making applications, involves forming bubble in material to impart simulated wood grain appearance into material downstream of die
US2024278472	(FORD) FORD ROBERT EVERETT	Machine for producing the filament extrusion and extrusion filament retraction components using injection molding system, has device platform, base, elevation plates, material cooling plate, material holding units, components installation panel, bottom mold plate, and top mold plate
US12037470	(ALLT) ALLTRISTA PLASTICS LLC	Making polymer compositions containing volatile functional agent involves mixing volatile functional agents into polymers to form masterbatch, and forming mixture into pellets having substantially uniform distribution of volatile functional agents in polymers
US2024253286	PLA GIKEN CO LTD [JP]	Multi-lumen tube extrusion molding apparatus
IL305680	WASTE TO PRODUCT TECH LTD [IL]; BEN EZRI AVRAHAM ALBERT	A variable flow recyclable material extrusion system and method
DE102023100777	(NORS) NORDSON CORP	Die plate assembly for pelletizing apparatus for producing granulate from liquid plastic melt, E.G. from thermoplastic material, has melt conveying zone that is designed as melt conveying part which is separable from die plate assembly

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
EP4417395	(WIMA) WIMAO OY	System for extrusion of material E.G. recycled material such as chopped waste plastic, comprises treatment device to extrude material, and feeder device to receive material and comprising first screw conveyor to supply material to treatment device
DE102023200311	(CRCL) CRCL GMBH	Producing composite plastic involves providing processed textiles from which impurities have been removed to greatest extent possible, comminuting processed textiles to form ground material, and mixing components and extruding components through extruder to form composite plastic
US2024239019	(ANDR) ANDREWS SCOTT	System for fabricating colored powder coating composition from solid input filament, comprises filament feeder comprising filament driver, filament mixer having filament inlet joined through inlet channel in mixing chamber housing to interior mixing chamber
WO2024159199	(LANG) LANGHE DEEPAK; (LOPE) LOPEZ THOMAS D	System for manufacturing E.G. composite sheet for packaging or optical applications, has proportioner feedblock section having first and second flow inlets for receiving polymer materials in melted form
WO2024180416	(TRET) TRE TAU ENG S R L	Apparatus for applying coating material to wire, has orifice that is configured to put injection channel into fluid communication with coating chamber and to regulate motion of coating material from injection channel to coating chamber
DE202023101698	(KDES) KDESIGN GMBH	Film blowing system, has post-tempering unit including multiple blowing elements for blowing the film tube with tempering gas, where blowing elements are adjustably articulated in order to set diameter of through-opening on frame
GB2626230	(SMIN) SMITH & NEPHEW	Extrusion method for producing film in solid thermoplastic feed material converted into molten state in the barrel, involves calculating throughput value of molten material to die based on achieving desired film width
EP4421116	(PLAS) PLASTA REI S R L	Preparing polymeric material involves providing raw material of polyethylene terephthalate in form of flakes suitable for glycolysis process, reacting, by chemical depolymerization by glycolysis, raw material, obtaining mixture of glycolysis product, and purifying glycolysis product
US2024318749	HEGLER RALPH PETER [DE]	Plastic pipe and device for the continuous production of a pipe base body for a plastic pipe of this type

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
DE102023106026	(NEXN) NEXNOA GMBH	Producing texturate in extruder arrangement, involves providing protein mixture which has first protein mixture in particular legume protein mixture or wheat protein mixture based on base mixture, supplying water based on base mixture to form slurry, and extruding slurry to form highly viscous mass
WO2024180022	(CLOU) CLOUD59 BV	Method for manufacturing continuous-fiber reinforced thermoplastic composite, involves threading coated continuous-fiber thermoplastic composite material through second die to obtain continuous-fiber reinforced thermoplastic composite
WO2024171011	(SPIA) SIPA PROGETTAZIONE AUTOMAZ	Apparatus for treating molten polymer E.G. for removing contaminants or additives used for producing plastic items such as preforms, has first electronic control unit connected to pressure sensor, adapted to control motor of pump according to values detected by pressure sensor
US12040104	(ENCO) ENCORE WIRE CORP	Apparatus for marking and scoring insulated wire or cable, comprises upper splined gear rod offset along wire path from lower splined gear rod within the housing, and actuator connected to the upper splined gear rod
DE102023101914	(MECH) MECHELHOFF MARKUS	Device for producing plastic components from mixture of pure plastic material and plastic recycle as basic materials, has plasticizing unit or extruder with a housing cylinder equipped with a heating device in which extruder screw coupled to a drive is rotatably mounted
US2024278476	(NEWW) NEW WINCUP HOLDINGS INC	Apparatus for manufacturing drink straws from polyhydroxyalkanoate material, comprises hopper that contains raw PHA material, extruder that receives raw PHA material from hopper and produces extruded PHA material, and vision system to monitor diameter and material thickness of cooled PHA material
LU506548	CHUZHOU UNIV [CN]	A double-screw extrusion device for vegetable meat
WO2024156017	(ROHR) FLORIAN ROHRMOSER	Extrusion head for additive manufacturing of product used in E.G. aerospace industry, has cooling device which is provided for cooling offset unit and/or separating device, where upper end of extrusion material severed by separating device is introduced into specific condenser unit

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN118528517	(NIKL) JAPAN STEEL WORKS LTD	Apparatus for manufacturing resin-film, comprises cooling roll configured to discharge a resin film while cooling film molten resin extruded from lip gap, where thickness sensor used to measure distribution of thicknesses of resin film discharged from cooling roll in width direction
WO2024156016	(ROHR) FLORIAN ROHRMOSER	Extrusion head for additive manufacturing of product used in E.G. railway industry, has offset unit that is rotatable as turret head and inclined in relation to longitudinal axis of head portion, where upper end of extrusion material severed by separating device is introduced into liquefaction unit
DE102023120768	(UNIC) UNICOR GMBH	Device for producing plastic pipes I.E. plastic corrugated pipes, has corrugator with molding section, and tooth row device is arranged on side surface of mold jaw for interaction with pinion device in intermediate section of corrugator
WO2024176031	(SYNC) SYNCRO S R L	Extrusion plant for blow extrusion of plastic films in manufacturing of switch cabinets, has vapor removal system for removal of vapors of monomeric and aliphatic nature resulting from extrusion of plastic material through extrusion head
WO2024165245	(POLY) POLYTECH AS	Method for producing polymer leading edge protection sheet with chamfered side edges for wind turbine blade used in helicopters and wind turbines, involves arranging first and second shaping surfaces with each other
DE102023106829	(LIST) LIST TECH AG	Method for treating starting product in tubular heat exchanger, involves introducing mixed, heated and pressure-increased starting product into kneader as flash discharge under control of pressure-maintaining valve and processed as intermediate product and transported as product through discharge
DE102023200010	(VOLS) VOLKSWAGEN AG	Device for producing three-dimensionally shaped foam components, has shaping device with three-dimensional cavity formed by heating device, surface of cavity is heated in regions, and elastic foam unit is heated when passed through cavity
US2024278473	UNIV SHANDONG [CN]	Material based on polytetrafluoroethylene and process for preparing the same
CH720498	(MCAM) MCAM SYMALIT AG	One-piece cable protection tube has longitudinal termination with two outer longitudinal ribs arranged on both sides of separating slot which are integral with cable protection tube and formed protruding from its outer jacket

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
EP4414153	(BUHL) BUEHLER AG	Aperture E.G. perforated aperture for cooling tool of food or feed extruder, has open areas that are provided in surface through which extrudate passes through aperture
US2024247141	(DMHD) DMH PRODUCTS INC	Quantity of recycled fibers used in mixture used as loose fill insulation product in extruded product, is prepared from single-use cups, comprises fine percentage, mean length and curl index
WO2024182330	(EACH) EASTMAN CHEM CO	Method for forming foam sheet in E.G. biodegradable article, at food service industry, involves extruding composition through annular die to form tubular extrudate, and drawing tubular extrudate over surface of forming mandrel
EP4420860	(NOTH) NORTHROP GRUMMAN SYSTEMS CORP	Apparatus for manufacturing article of low pressure or low gravity environments, such as in vacuum or in space, has nozzle in operable communication with heat block and configured to receive feed material, where motor operably coupled to feed material extruder
US12059020	(TYSO) TYSON FOODS INC	Extrusion horn for cooking food product E.G. chicken breasts, has belt drive regulator controller that regulates belt drive based on one of pump speed signal, belt speed signal and belt slippage signal
WO2024160918	(APLX) APLIX SA	Extruded filiform element for forming absorbent article, comprises material of which is at least partly constituted by non-crosslinked elastomer, preferably thermoplastic elastomer and has preset residual deformation
EP4417390	(ASPK) AISAPACK HOLDING SA	Method for covering periphery of functional layer by first layer, involves temporary blocking of propagation of material from first layer to form bead of material from first layer by propagation of material, and ceasing temporary blocking
WO2024182336	(EACH) EASTMAN CHEM CO	Method for forming E.G. pellets, involves extruding composition comprising cellulose ester through annular die that includes die inner diameter to form tubular extrudate, and drawing tubular extrudate over forming mandrel
US2024279446	(DOVE) DOVER CHEMICAL CORP	Extruded film having reduced melt fracture, is manufactured by compounding composition having polyolefin, first component that is polyethylene glycol, polyethylene glycol mono-ester, or polyethylene glycol di-ester, and then manufacturing extruded film using compounded composition

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024186486	(DOWC) DOW GLOBAL TECHNOLOGIES LLC	Production of upgraded post-consumer recycled polyethylene (PCR-PE) used in packages, involves melt blending non-pelletized PCR-PE with virgin polyethylene in extruder to produce PCR/virgin blend, and melt filtering to remove contaminants
WO2024145130	(CRGI) NATUREWORKS LLC	Polylactide resin composition used in production of oriented polylactide film and biaxially oriented polylactide sheet or film, comprises melt- or solution-blend of crystallizable polylactide having preset number-average molecular weight and containing lactic unit, and non-crystallizable polylactide
US2024309157	(FORD) FORD GLOBAL TECH LLC	Rubber-graphene composite in portion, comprises paste comprising graphene, plasticizer, and at least one additive selected from group consisting of carbon black, biochar, and rice husk ash silica, and rubber matrix
WO2024141819	(SCMI) SACMI	Method for applying dose of material E.G. sealing material by separating dose of material from continuous flow of plasticized material, involves depositing annular dose on object on base of cap for closing containers
EP4412833	LAMON LTD [BG]	Multilayer biodegradable film obtained by reactive co-extrusion
WO2024162883	(CERL) CERALOC INNOVATION AB	Method for manufacturing board element, involves displacing substrate, creating cavities in rear side of substrate by impressing substrate portion of substrate in pressing area by impression device, obtaining board element
WO2024161155	(NOTP) NOTPLA LTD	Producing film-coated substrate useful for producing packaging product E.G. cup, tray, box or container, by feeding composition comprising cutin into extruder, extruding mixture comprising cutin through die to obtain film, and performing extrusion coating of film onto substrate
WO2024182337	(EACH) EASTMAN CHEM CO	Foamed tray useful for preparing foamed article, comprises cellulose ester and hydrophobic cap layer formed on exterior surface of foamed tray
EP4403334	(ROLA) ROLAN INVEST OUE	System for controlling extrusion line of mixed plastics, has tester for measuring pulling speed of pulling unit, and computing device for receiving measurement data from first sensors, second sensors, third sensors, ammeter, and tester

Otros Procesos

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2024253299	(NOTH) NORTHROP GRUMMAN SYSTEMS CORP	Machine for manufacturing tube element for spacecraft components by using additive manufacturing techniques, has disk mounted to first end of shaft, and motor coupled to second end of shaft through gear assembly, and for rotating shaft
DE102023106384	(EADS) PREMIUM AEROTEC GMBH	Tool E.G. oven or autoclave for producing hot-formed fiber composite component, has membrane that is designed to nestle against preform located in forming trough and adjacent, and free base areas in direction of base of forming trough when forming trough is evacuated
DE102023101832	(KROE) KRONES AG	Forming device for forming plastic preforms into plastic containers, has forming stations each having throttle device which is suitable and intended to throttle volume flow of gaseous medium to plastic preform
WO2024180440	(FJIS) FUJI SEAL INT INC	Apparatus for attaching shrinkable label E.G. printed shrink sleeve foil on product e.g. food container, has controller that is configured to control light intensity of activated light sources so as to achieve product-specific light emission profiles
WO2024158808	(ADLE) ADLER IND SOLUTIONS INC	Conditioning station tooling for adjusting temperature of preform such as plastic tube used in manufacturing plastic articles such as bottles, has mold presenting cavity to receive portion of preform, where mold receives preform such that gap present between mold and to perform
US2024316854	DURAVIT AG [DE]	Method for producing a tub-shaped sanitary object made of plastic with a visible side and a bottom
WO2024158366	(TUSA) TUSAS TURK HAVACILIK VE UZAY SANAYII ANONIM SIRKETI	Forming table for shaping canopy materials in air vehicle, has rod that comes into contact with holder when arms come from first position to second position by being bent and taking almost shape of holder that gives edge shape to material
DE102023110017	(SALZ) KHS GMBH	Device for distributing fluid into container i.e. plastic container, in plant, has rotor for comprising multiple fluid outlet openings for distributing fluid into container that is mounted with multiple fluid outlet openings to rotate along rotation axis relative to fluid limiting element
WO2024158364	(TUSA) TUSAS TURK HAVACILIK VE UZAY SANAYII ANONIM SIRKETI	Forming table for canopy provided on E.G. fighter aircraft, has channel located on arms to create opening longitudinally, where holder is slid in channel so that position between arms is adjusted by user

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024141340	(SIDL) SIDEL PARTICIPATIONS	Device for locking or unlocking turntable nose mounted on thermal preform conditioning unit, has mandrel comprising end provided with fixing unit securing turntable nose to mandrel and another end secured to drive element
WO2024141433	(SIDL) SIDEL PARTICIPATIONS	Method for detecting angular orientation of hollow structures such as preforms and containers in thermoplastic material, involves marks positioned in groove such that mark is in field of vision of image capture device
US2024316835	KIEFEL GMBH [DE]	Molding tool for producing molded parts and methods for producing molded parts using a molding tool
US2024316855	KIEFEL GMBH [DE]	Molding tool for producing molded parts and method for producing molded parts using a molding tool
US2024316830	SPIRIT AEROSYSTEMS INC [US]	Methods and apparatuses for forming corrugated thermoplastic sheets and cellular structures
DE102023104677	(SALZ) KHS GMBH	Container treatment system for use in food industry E.G. beverage industry for treating beverage container, has specific guide roller which is brought into engagement with opposite guide curve, where guide roller arrangement is provided with elastically deformable ring element
US2024301199	(SONO) SONOCO DEV INC	Modified crystallized polyethylene terephthalate resin for monolayer formed sheet, and for thermoformed container, comprises crystallized polyethylene terephthalate with first refractive index, impact modifier with second refractive index, and compatibilizer with third refractive index
US12053343	(MERI) MERIT CABOT LLC	Method for manufacturing dental device E.G. dental aligner device used for moving teeth of person to desired positions, involves removing extraneous material from dental aligner device, and removing physical model of teeth from dental aligner device
US2024316832	KRONES AG [DE]	Apparatus and method for heating plastics material preforms with inspection of the holding devices
US12059818	(LIUM) ZHANG ZHILI; (ZHAN) LIU MIKE	Method for manufacturing composite material for structural applications, involves sawing and arranging bamboo woods into bamboo bundles, and heating bamboo bundles, and bundles arranged with green surface facing outside and yellow surface facing inside
US2024217161	(AMCO) AMCOR RIGID PACKAGING USA LLC	Thread insert for blow mold assembly for forming polymeric container used for packaging numerous commodities, comprises inner mold surface defining threads, first bore defined by thread insert, and first heating element seated within first bore

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2024216825	(ITTA) ITTAH LYNZEE	Hollow thermoplastic toy for use by children during taking bath, has vent hole, where portion of toy is formed from transparent thermoplastic, and toy is formed by blow-molding parison
DE102023101834	(KROE) KRONES AG	Apparatus for forming plastic preform into plastic container E.G. plastic bottle, by using stretch blow-molding machine, has valve device including control chamber, where transition region is arranged between working chamber and control chamber
US2024246727	INTEGRATED PLASTICS PTY LTD [AU]	Continuous stretch blow moulding system applied to specified integral handle pet preform and container structures
DE102023103378	(SALZ) KHS GMBH	Blow molding unit for use in blow molding system for forming plastic preforms into beverage bottles used in beverage industry, comprises temperature control devices and respective locking element arranged in integral section of blow mold units
WO2024153862	(SOLI) SOLID STUDIO	System for manufacturing sheet of solid elements connected by cables assembled in form of frame for exterior building cladding applications, has selecting unit for selecting primitive cavities to accommodate hardenable pasty material
DE102023101825	(KROE) KRONES AG	Device for forming plastic preforms into plastic containers I.E. plastic bottles, by applying compressed air, has transport device which transports plastic preforms along predetermined transport path and first compressed air reservoir is suitable and intended to provide compressed air
DE102023100739	(SALZ) KHS GMBH	Method for forming plastic preforms into plastic containers in blow molding machine, involves feeding pressurized blowing fluid to use as recycling stream, and feeding portion of recycling stream to inlet of protective casing
US2024228091	(ALLI) ALLIANCE PLASTICS LLC	Apparatus for fabricating reinforced stretch film, has drums that are configured to rotate with different surface speeds to pre-stretch the stretch film and final roller that is provided for winding reinforced stretch film
WO2024145415	(BRKS) BRASKEM SA	Polyethylene-based resin composition used in injection stretch blow-molding and article E.G. hollow container, preferably bottle, comprises co-crystallized blend of high density polyethylene base resin and linear low density polyethylene
EP4406754	(MARS) MARSHAL IND CORP	Composite rim has composite fiber strip that spirally arranged around imaginary annular line and attached to outer surface of annular casing, and opposing ends of each of composite fiber strip in longitudinal direction of composite fiber strip being aligned with imaginary annular line

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024157175	(SCMI) SACMI	Method for folding flap unit of non-axi symmetric capsule used in forming apparatus, involves making flap unit interact with abutting unit to rotate flap unit from initial configuration extending from cup body to end configuration
WO2024141540	(SIDL) SIDEL PARTICIPATIONS	Petaloid-bottomed container E.G. bottle for storing carbonated beverage, has foot whose end surface is provided with central section which is extended from central area of bottom towards top of foot and peripheral section which is extended from central section to base of foot
GB2627957	(DOYL) DOYLE KELVIN CONRAD	Tool design for production of large structure or components such as wind turbine blades, has internal structures designed within final structure or component to be extended beyond parameters of original structure or component so that internal structures or superstructures interconnect
DE202024001089	(NEUM) NEUMEIER SEBASTIAN	Tool E.G. squeegee for applying self-adhesive films to vehicle or furniture, has rounded soft silicone mold whose shape and size are varied, where rounded soft silicone mold is covered with fabric
NL2034333	BRINK CLIMATE SYSTEMS B V [NL]	Process for manufacture of heat exchanger
US2024227434	(CORE) COREX MAT CORPORATION	Fiber reinforced thermoplastic spoke for use in bicycle, has rod comprises thermoplastic resin and fibers, where tube comprises engaging recess that is radially embedded in rod, and rod comprises wind-resistant section that is arranged at middle portion of rod
EP4427909	(CANO) CANON KK	Method for producing blow-molded article used as stretch-blow-molded article E.G. toner bottle image forming device, involves producing preform from resin mixture comprising wax, thermoplastic polyester and carbodiimide compound, and blow-molding preform
DE102023103372	(SALZ) KHS GMBH	Blow molding unit for blow molding system for forming plastic preforms into beverage bottles in beverage industry, has locking device designed as bolt clamping system with clamping bolts and chuck that is adjusted into locking position
DE102023103363	(SALZ) KHS GMBH	Method for monitoring container treatment system with transport device for transporting containers, involves detecting sound signal during operation of treatment system and comparing with reference signal to determine operating state
JP7550413	(FUSE)	Coating apparatus for covering automobile or flat shape film spread in flat shape adherend as element, such as front bumper, has first and second moving mechanism to move first holding unit and second holding unit along shape of adherend

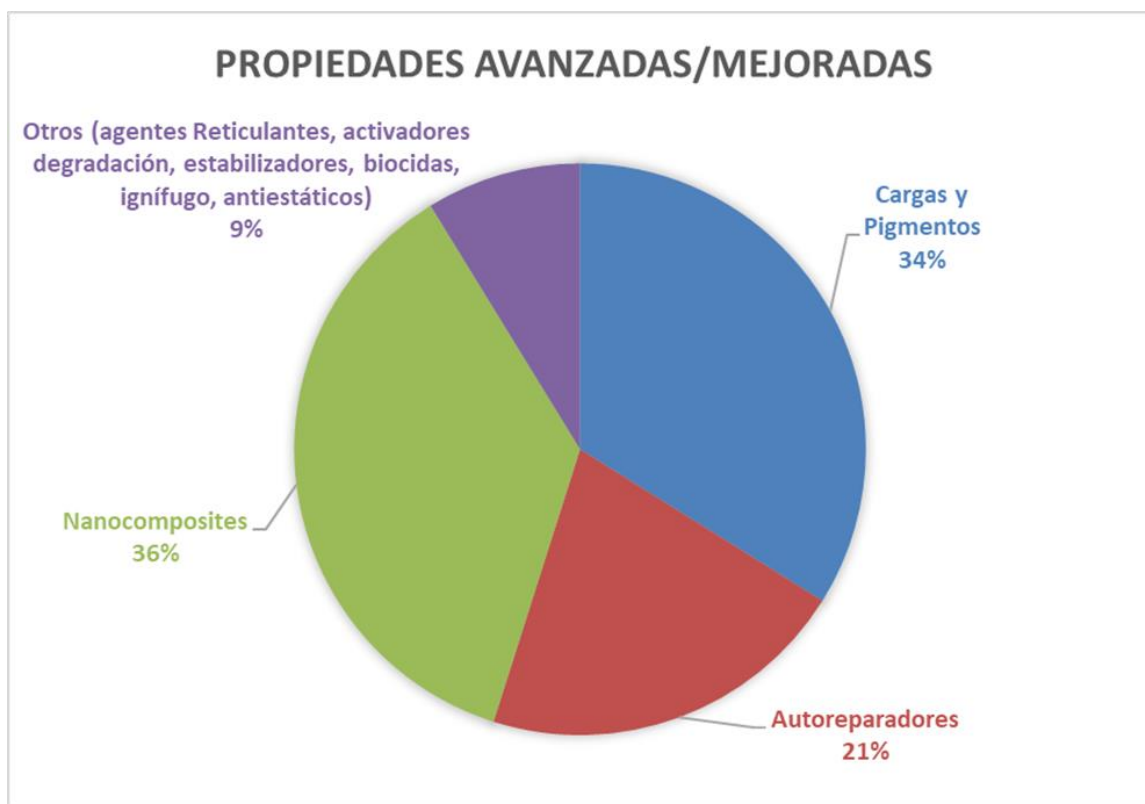
Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN118560071	(SAER) SAERTEX MULTICOM GMBH	Curing liner for rehabilitation of pipe or canal, comprises curing resin system in resin-impregnated fibre tube by moving device through erected liner, where laser light is deflected in device by at least one optics at an angle such that laser light impinges on inner surface of erected liner
US2024316888	SPIRIT AEROSYSTEMS INC [US]	Methods and apparatuses for forming corrugated thermoplastic sheets and cellular structures
JP7549848	(FUSE)	Coating apparatus used in coating system for covering automobile with film spread in flat shape, comprises supporting unit for supporting film on adherend, and first support unit and second support unit are arranged separately in first direction to be positioned on both sides of adherend
US2024300148	(CABN) CARBON INC	Mold in shape of dental arch useful for making polymer dental appliances E.G. orthodontic aligners, has upper portion in shape of set of teeth, intermediate portion having hollow cavity, planar base surface portion, and drain channels extending from hollow cavity upward via upper portion
DE102023105753	(SALZ) KHS GMBH	Transport device for transporting containers E.G. beverage containers used as bottle or as can to hold filling medium E.G. beverage, has carrier having multiple container receptacles and driven rotatably through drive device that is electric drive designed as direct motor
FR3145026	(PLON) PLASTIC OMNIUM NEW ENERGIES FRANCE	Pressure tank for vehicle E.G. motor vehicle, composite reinforcement structure coated at least in portion with protective coating, where protective coating comprises at least one protective layer based on polyurea(s) which is one or more reaction products of at least one hardener and resin
GB2627442	(TECH) TECHNIPFMC SUBSEA FRANCE	Subsea umbilical composite tube for subsea umbilical, and for transportation of a fluid such as oil, gas, carbon dioxide, hydrogen gas, hydrogen sulfide, comprises thermoplastic liner, composite reinforcement layer, and thermoplastic cover
WO2024180575	(PERS) PERSICO SPA	Machine for molding semi-finished product, has heating elements whose base bodies are distributed onto outer surface of mold spatially separated from each other and main bodies of cooling elements are distributed on outer surface
EP4410527	(EADS) AIRBUS OPERATIONS GMBH	Method for producing fiber preform for fiber reinforced composite component I.E. stiffener used in an aerospace application such as aircraft, involves heating forming tool and/or preform, evacuating envelope, and unsealing bag while maintaining envelope evacuated
EP4431263	BARBERAN LATORRE JESUS FRANCISCO [ES]	Part coating system

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
EP4403506	(SACP) SACPRO AB	Inversion unit for pipe-relining used to refurbish piping and plumbing systems in buildings and structures, has housing arranged on base assembly, and handle connected to window such that window is easily opened and closed in bayonet catch manner using handle
DE102023104190	(SALZ) KHS GMBH	Blow molding system for forming plastic preforms into E.G. beverage bottles, has first end piece actuating lever arrangement engaging in adjusting cam arrangement arranged in sections along circumference of carrier
WO2024141556	(SIDL) SIDEL PARTICIPATIONS	Petal-bottomed container I.E. bottle, has body consisting of cylindrical wall, shoulder in extension of body at upper end, neck in extension of shoulder, and petaloid-type bottom at lower end, and feet whose projecting parts form base
EP4427917	(SPAE) SPIRIT AEROSYS INC	Method for manufacturing complex-shaped composite part used in aircraft industry, involves applying electric current through metallic sheath to heat workpiece, shaping workpiece in sheath into composite part, and cooling composite part

VOLVER A
CONTENIDO

MATERIALES CON PROPIEDADES AVANZADAS O MEJORADAS

En el siguiente gráfico se muestra la distribución de las 776 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 sobresaale 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
WO2024142729	(MITA) MITSUI CHEMICALS INC	Resin composition used for forming liquid crystal sealant for liquid crystal display panel, comprises curable compound having unsaturated group-containing ester compound, photopolymerization initiator, curable compound having epoxy group, and thermosetting agent
JP2024094973	(CANO) CANON KK	Rubber sheet used for producing table tennis racket, comprises elastic sheet comprising crosslinked silicone rubber having preset hydrosilyl group content, as binder
WO2024143279	(SHOW) RESONAC CORP	Composition used for forming resin film, comprises thermosetting resin, inorganic filler, silane coupling agent, and compound that is liquid at preset temperature, contains reactive group and has preset molecular weight
WO2024150578	(CHCC) JNC CORP	Thermosetting resin composition used for forming cured product for electronic component, comprises compound containing two or more acid anhydride groups and diamine as structural units, and filler
WO2024150651	(MITN) MITSUBISHI GAS CHEMICAL CO	Polyamide resin used in resin composition for forming molded article, comprises diamine-derived structural unit and dicarboxylic acid-derived structural unit
WO2024154715	(MITN) MITSUBISHI GAS CHEMICAL CO	Resin composition used for forming prepreg and resin sheet for forming laminate used for forming metal foil-clad laminate, and insulating layer for printed wiring board, comprises filler, maleimide compound, and dispersant having preset polar term in Hansen solubility parameter
JP2024100396	(SHIE) SHINETSU CHEMICAL CO	Sheet-like heat dissipation component used for electronic device, comprises heat-softening thermally conductive composition including silicone resin having preset melting point and containing silicon-based units, silver powder having preset average particle size, and organohydrogenpolysiloxane
WO2024154467	(SEKI) SEKISUI CHEMICAL CO LTD	(Meth)acrylic resin particles used for vehicle and slurry composition for production of electronic components, have specific weight average molecular weight and weight concentration of sulfur atoms

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024157853	(MATU) PANASONIC IP MAN CO LTD	Epoxy resin composition used in sealing component of semiconductor device, comprises epoxy resin, curing agent, inorganic filler, and release agent containing reaction product of copolymer of alpha-olefin and maleic anhydride with monofunctional aliphatic glycidyl ether
WO2024158052	(SEKI) SEKISUI CHEMICAL CO LTD	Resin composition for forming heat dissipation component used in electronic device, comprises octahedral diamond and/or 68-hedral diamond as filler having specific volume average particle diameter of primary particles, another filler and matrix resin
WO2024157694	(MATU) PANASONIC IP MAN CO LTD	Resin composition used in underfill and over-mold sealing material of semiconductor device, comprises thermosetting resin and inorganic filler having specific particle size, in which portion or entire surface of filler is surface-treated with cyclic silane compound
WO2024162415	(SEKI) SEKISUI CHEMICAL CO LTD	Curable thermally conductive adhesive used for battery assembly, comprises curable composition containing curable binder, thermally conductive filler, and has preset storage modulus, and gel point at which storage modulus and loss modulus are equal after start of rheometer measurement
WO2024166844	(MITA) MITSUI CHEMICALS INC	Polyamide resin composition used for forming resin component in manufacture of metal-resin composite, comprises polyamide resin, reinforcing material, modified polyolefin resin having preset storage modulus, and scale-like or plate-like inorganic particles
WO2024166852	(SUMO) SUMITOMO CHEMICAL CO	Propylene resin composition used for forming molded article, comprises propylene polymer having preset isotactic pentad fraction, and propylene polymer which is heterophasic propylene polymerization material, having preset isotactic pentad fraction
WO2024171646	(ELED) DENKA COMPANY LTD	Two-component curing composition set used for cured product for electronic device, comprises agent containing E.G. surfactant and filler free of alpha-alumina particles, and agent of E.G. thermally conductive filler containing alpha-alumina single crystal particles having preset median diameter
WO2024171915	(AJIN) AJINOMOTO KK	Curable composition used as adhesive for cured layer, comprises epoxy compound having alicyclic epoxy group, inorganic filler, polyester and cationic polymerization initiator

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
EP4421119	(VRED) APOLLO TYRES GLOBAL R & D BV	Cross-linkable rubber composition for producing tire, comprises blend of natural rubber, polybutadiene rubber, and solution polymerized styrene-butadiene rubbers, silica filler having specific surface area, resin, and coupling agent comprising mercaptosilane, disulfide silane and tetrasulfide silane
JP2024119615	(BRID) BRIDGESTONE CORP	Rubber composition used for forming intermediate layer for hose, comprises rubber component containing chloroprene rubber having preset Mooney viscosity and crystallization start time, and carbon black having preset nitrogen adsorption specific surface area
WO2024181101	(FUJF) FUJIFILM CORP	Composition for forming transfer film, comprises resin and filler surface-modified with surface modifier and having specific average particle size
WO2024181344	(TOXW) ARTIENCE CO LTD; TOYOCEM CO LTD	Modified olefin copolymer used in resin composition for prepreg, comprises main chain containing structural units derived from conjugated diene compound and/or structural units derived from alicyclic compound, and side groups and molecular chain end containing monocyclic structure
JP2024125630	(SHIE) SHINETSU CHEMICAL CO	Silicone composition used to form cured product, comprises organopolysiloxane, hydrolyzable organopolysiloxane, thermally conductive filler, organohydrogenpolysiloxane, hydrolyzable organopolysiloxane, platinum group metal catalyst, and reaction control agent
WO2024190773	(FUJF) FUJIFILM WAKO PURE CHEMICAL CORP	Two-component composition used for producing cured product E.G. electronic component, comprises curing agent including compound having thiol group, and base agents including compounds having curable group that react with thiol groups

Autorreparador

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2024246327	(STRD) UNIV LELAND STANFORD JUNIOR	Apparatus E.G. soft robotics equipment used for damage-sensing and self-repairing e-skins, comprises immiscible polymer layers, and first layer and second layer, each from among immiscible polymer layers, first layer and second layer integrated with one another to form self-healing laminate
US2024245336	(USKK) RESEARCH & BUSINESS FOUND SUNGKYUNKWAN UNIV	Bidirectional stretchable nerve interface, comprises stretchable fabric-based substrate in which stretchable fabric is located between respective layers of multiple self-healing polymer films; and fiber-based nerve electrode which is located on fabric-based substrate and is made of fiber
PL447522	(LUBE) LUBELSKA POLT	Metal-glass laminate I.E. central part of laminate contains layer of polyester nonwoven fabric and surfaces which thermoplastic composite that adhere to first self-healing layer with glass fibers and bonded with thermoplastic resin
PL447524	(LUBE) LUBELSKA POLT	Metal-glass laminate has central part of laminate with self-healing layer having glass fibers filled with isophorone diisocyanate and bonded with thermoplastic resin, to both surfaces of polyester nonwoven fabric layer is adhesively adhered
PL447523	(LUBE) LUBELSKA POLT	Metal-glass laminate comprises layer of polyester nonwoven fabric, self-healing layer, glass fiber-based thermoplastic composite, and another self-healing layer of microcapsules containing E.G. polyurethane coating of polyisocyanurate toluene diisocyanate in ethyl acetate, and carbon nanotubes
US12049425	(UTIJ) UNIV TIANJIN	Preparing water-adaptive cement self-healing system in cement self-healing, involves adding calcium carbonate as pH-triggered shell curing agent, inorganic nano-emulsifier, and polysaccharide shell material into deionized water, and then uniformly stirring to obtain aqueous phase
PT118493	(SUEP) INST SUPERIOR TECNICO	Pre-hydrogel composition used for forming electroconductive and self-healing hydrogel, comprises mixture of poly(3,4-ethylenedioxythiophene) and poly(styrene sulfonate), gelatin, preferably unmodified gelatin, and riboflavin, and is crosslinkable after exposure to ultraviolet light or blue light

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
CN118441486	(NYPC) NAN YA PLASTICS CORP	Self-healing resin composition in artificial leather, comprises main resin that contains diol monomer and di-isocyanate monomer, self-healing component that includes cyclosiloxane and self-healing component, hardener, matting agent, and solvent
PL447529	(LUBE) LUBELSKA POLT	Metal-carbon laminate I.E. central part of laminate contains first self-healing layer comprising glass fibers filled with isophorone diisocyanate and bonded with thermoplastic resin, to both surfaces of layer of polyester nonwoven fabric
PL447530	(LUBE) LUBELSKA POLT	Metal-carbon laminate, comprises glass fiber filled with isophorone diisocyanate and connected with thermoplastic resin to surfaces of two layers of thermoplastic composite based on carbon fibers adhesively adhered to layer of polyester non-woven fabric, and self-healing layer with preset thickness
PL447526	(LUBE) LUBELSKA POLT	Metal-glass-carbon laminate has central portion comprising self-healing layer consisting of glass fiber filled with isophorone diisocyanate, and having surfaces to which layer of thermoplastic composite and layer of polyester non-woven fabric, are adhesively adhered
PL443692	(LODZ) POLITECHNIKA LODZKA	Elastomeric polymer composition used for self-healing polymer products, contains epoxidized natural rubber with specific epoxidation degree as elastomeric matrix and tannic acid and silica as crosslinking group
KR20240123449	(UYIA) UIF UNIV INDUSTRY FOUNDATION YONSEI UNIV	Conductive self-healing hydrogel for forming hydrogel material, comprises polymer structure having double network structure composed of polymer structures derived from first hydrophilic polymer and crosslinked by covalent bonding via crosslinking agents
WO2024173673	(UNMI) UNIV MICHIGAN REGENTS	Self-healing elastomeric polymer composition for detecting UV radiation, comprises electron donor functional group which promotes photochromic reaction of photochromic component distributed in self-healing elastomeric polymer configured to display color change when exposed to UV radiation

Nanocomposite

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
EP4397697	(XERO) XEROX CORP	Colored particulate blend for additive manufacturing to form printed objects, comprises first multiple of thermoplastic polymer particulates having first color and comprising first thermoplastic polymer, and second multiple of thermoplastic polymer particulates having second color
DE102023109830	(LIFO) LIFOAM IND LLC	Producing branded foam article involves producing molded foam article from polylactic acid, heating surface, and pressing surface against molded foam article for period of time to produce brand
EP4403326	(ROHR) ROHR INC	Preform tooling arrangement, has base plate comprising male die surface, stripper plate comprising female die surface, first perforations disposed in base plate, and second perforations disposed in stripper plate, where stripper plate is moveable with respect to base plate
DE102023200311	(CRCL) CRCL GMBH	Producing composite plastic involves providing processed textiles from which impurities have been removed to greatest extent possible, comminuting processed textiles to form ground material, and mixing components and extruding components through extruder to form composite plastic
FR3145026	(PLON) PLASTIC OMNIUM NEW ENERGIES FRANCE	Pressure tank for vehicle E.G. motor vehicle, composite reinforcement structure coated at least in portion with protective coating, where protective coating comprises at least one protective layer based on polyurea(s) which is one or more reaction products of at least one hardener and resin
US2024245054	(UNMS) UNIV MICHIGAN STATE	Preparing antimicrobial plastic that used for food or health care packaging, involves contacting non-leachable antimicrobial agent to surface of plastic article to form antimicrobial plastic
US2024260201	(TOYT) TOYOTA ENG & MFG NORTH AMERICA	Three-dimensional printing system for manufacturing multi-layer printed circuit board, has reservoir for ultraviolet-curable dielectric material in communication with first nozzle configured to print ultraviolet-curable dielectric material onto substrate, and reservoir with second nozzle to print
WO2024163355	(VADI) VADIANT OPTICS LLC	Gradient-index optical film for coupling electromagnetic radiation into or out of photonic device, has cured coalescence of inkjet-printed droplets, where droplets comprise two or more nanocomposite materials, and optical elements are configured with optical phase modulators

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
US2024280730	(FABK) META PLATFORMS TECH LLC	Manufacturing wafer level optic involves forming lens block over substrate, forming nanostructured coating over lens block opposite to substrate, and hardening lens block
US2024294813	(USAF) US GOV AIR FORCE	Bonding two or more articles involves applying polyimide, polymer mixture comprises polyimide and/or composite comprises polyimide and a filler, or two or more articles to form adhesive article, then contacting with remaining articles and applying pressure and heating contacted adhesive article
US2024293981	(NANO) NANOCOMP TECHNOLOGIES INC	Producing composite laminate used in E.G., aerospace industries, involves providing curable system comprises stack of two or more prepregs and carbon nanotube sheets, and partially curing curable system by running electric current through nanotube sheets, such that portion of prepregs are cured
US2024293971	(GULF) GULF FILTRATION SYSTEMS INC	Apparatus for making three-dimensional object from photopolymer, has source of solidification energy comprising light projector to project light onto photopolymer, and blower isolating lens from solidifiable material vapors generated by supplying solidification energy to solidifiable material
WO2024183918	(EVTH) EV GROUP E THALLNER GMBH	Mold insert arranged in carrier substrate of injection molding system for producing micro and/or nanostructure on molded portion, has carrier substrate and structural element that are designed such that mold insert is elastically deformable in regions of assembled state
WO2024188725	(AQOR) ARKEMA FRANCE	Dry mixture of powders for manufacture of object, comprises powder based on poly-aryl-ether-ketone(s) having preset volume-weighted particle size distribution and median diameter, and nucleating charge in powder form, which is chosen from silicate, carbon material, or their mixture
US2024309157	(FORD) FORD GLOBAL TECH LLC	Rubber-graphene composite in portion, comprises paste comprising graphene, plasticizer, and at least one additive selected from group consisting of carbon black, biochar, and rice husk ash silica, and rubber matrix

Otras propiedades

Nº DE PUBLICACIÓN	SOLICITANTE	CONTENIDO
WO2024173846	(COMP) SAINT GOBAIN PERFORMANCE PLASTICS CORP	Multilayer composite useful in a battery pack, comprises core foam layer, and first ceramifiable barrier component contacting core foam layer, or first ceramifiable tape laminated to core foam layer
US2024287269	(USFO) USA FORTESCUE IP INC	Ion conducting co-polymer used in ion exchange membrane, comprises polymeric backbone comprising repeat units of (phenylene) compound covalently bonded directly to (fluorene) compound to produce co-poly(phenylene)-(fluorene), two side chains extending from (fluorene) compound

VOLVER A
CONTENIDO

NOTICIAS

CURSO SELECTIVO DE LA ESCALA DE TITULADOS SUPERIORES

El 23 de septiembre comenzó el curso selectivo de la Escala de Titulados Superiores de Organismos Autónomos del Ministerio de Industria y Turismo de la especialidad de Propiedad Industrial y Metrología. Tras la superación de la fase de oposición, los 29 aspirantes han sido nombrados funcionarios en prácticas, iniciando así una nueva fase del proceso selectivo.



La primera jornada fue inaugurada por el subsecretario de Industria y Turismo, Pablo Garde, quien dio la enhorabuena a los asistentes por haber superado la fase de oposición, “un proceso intenso y duro que les permitirá acceder a dos instituciones con muchísimo arraigo y de referencia a nivel internacional como son el Centro Español de Metrología (CEM) y la Oficina Española de Patentes y Marcas (OEPM)”.

En este inicio de curso participaron, además, la subdirectora de Planificación y Gestión de Recursos Humanos, Nieves Aliagas; la directora de la OEPM, Elisa Rodríguez; y el director del CEM, José Ángel Robles Carbonell.

La especialidad de Propiedad Industrial de la Escala incluye tres ramas diferenciadas: una rama técnica que abarca un área mecánica, un área eléctrica y otra química, una rama informática para la gestión y el soporte de los procedimientos en materia de Propiedad Industrial y una rama jurídica.

Próximamente, antes de que acabe este 2024 se convocará una nueva edición de estas pruebas selectivas. Si quieres acceder a la Escala de Titulados Superiores de Organismos Autónomos del Ministerio de Industria y Turismo puedes informarte en el siguiente enlace:

<https://lnkd.in/d/f9iUBfu>

SENTENCIAS Y DECISIONES PREJUDICIALES SOBRE VULNERACIÓN Y CUMPLIMIENTO DE DERECHOS DE PROPIEDAD INDUSTRIAL E INTELECTUAL

El Observatorio de la Oficina Europea de Propiedad Industrial e Intelectual (EUIPO) dispone en su página web de una base de datos que recopila sentencias sobre los derechos de propiedad industrial e intelectual de todos los Estados miembros de la Unión Europea.

Está disponible en el enlace [base de datos de Jurisprudencia eSearch](#).

Esta recopilación de sentencias favorece que su consulta sea muy sencilla, ya que la base de datos cuenta con filtros que permiten limitar la consulta por fechas, idioma, tipo de decisión, juzgado de origen, entre otras, agilizando así la búsqueda de casos.

La iniciativa comenzó en 2014 y participan las oficinas nacionales de propiedad industrial y la Oficina Comunitaria de Variedades Vegetales (OCVV). En el año 2020 el Observatorio puso en marcha una ampliación para recopilar las principales sentencias nacionales en materia de vulneración de los derechos

de propiedad industrial e intelectual para tratar de abarcar los Estados miembros que faltan y poner la información a disposición del público a través de la base de datos. Para llevar a cabo esta tarea se cuenta con expertos nacionales, revisores expertos voluntarios y revisores independientes, responsables de seleccionar y analizar las sentencias clave nacionales en materia de vulneración de los derechos de propiedad industrial e intelectual. La lista de los participantes en esta actividad está disponible en el siguiente [enlace](#).

Además, el Observatorio también supervisa los casos en el marco de la Red Europea de Fiscales especializados en Propiedad Intelectual y las decisiones del Tribunal de Justicia de la UE relacionadas con la vulneración de los derechos de propiedad industrial e intelectual.



PUBLICADO EL INFORME "LA OEPM EN CIFRAS 2023"

Ya puedes consultar el Informe "La OEPM en cifras 2023" que incluye la información estadística sobre las actividades relacionadas con la protección de la propiedad industrial, permitiendo una rápida consulta de los datos sobre invenciones (patentes y modelos de utilidad), signos distintivos (marcas y nombres comerciales) y diseños industriales.

En 2023 se han solicitado un total de 1.455 patentes y 2.807 modelos de utilidad. En ambos casos se ha experimentado un incremento respecto al año 2022, debido principalmente al incremento de las solicitudes de PCT en fase nacional.

Este incremento también se ha producido en el caso de las solicitudes relacionadas con las marcas y los nombres comerciales. En concreto, las solicitudes de marca han crecido un 7,8 % con respecto al año anterior habiéndose presentado 48.773 solicitudes de reconocimientos de marcas y, en el caso de los nombres comerciales, fueron 15.124 solicitudes representando un crecimiento del 21,5%.

Aún ha sido mayor el incremento que se ha producido en el número de solicitudes de protección de diseños industriales. Fueron 14.590 expedientes, un 33,6% más que en 2022.

El informe también desglosa los datos de las solicitudes por Comunidades Autónomas, género, entidad solicitante y sector. [Más información](#)



LAS FUERZAS Y CUERPOS DE SEGURIDAD DEL ESTADO CONTINÚAN SUS ACCIONES DE LUCHA FRENTE A LAS FALSIFICACIONES

El Ministerio del Interior ha publicado los datos de intervenciones de Fuerzas y Cuerpos de Seguridad del Estado (FCSE) relacionadas con falsificaciones llevadas a cabo en el año 2023 y el resultado es que se han intervenido más de 3,6 millones de productos falsificados que hubieran alcanzado en el mercado un valor de 149 millones de euros.



El sector textil es el producto más falsificado (62%), y en segundo lugar se encuentran los juguetes (12,9%), seguido de marroquinería y complementos y calzado.

La OEPM valora la importancia del conocimiento de estos datos ya que dan idea de la necesidad de continuar con las campañas de sensibilización frente a los daños para la salud a los que se expone al consumidor de falsificaciones y especialmente en el sector de los juguetes, que son productos dirigidos a la población infantil más vulnerable.

Para más detalle sobre esta información consultar la [nota de prensa](#) publicada por el Ministerio del Interior.

