SECTOR CALZADO

VT 89 vigilancia tecnológica

2º trimestre 2025

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Este Boletín de Vigilancia Tecnológica en el sector Calzado, viene siendo realizado por la Oficina Española de Patentes y Marcas (OEPM) desde hace más de veinte años, con la colaboración de INESCOP. A partir de 2021 se ha reorientado su contenido para ofrecer a los usuarios y expertos del sector temas más novedosos y de mayor actualidad.

INESCOP es un centro tecnológico que se ha posicionado, durante sus 50 años de vida, como aliado tecnológico y promotor de la innovación entre todas las empresas de la cadena de valor del sector del calzado, tanto a nivel nacional como internacional. Entre sus principales actividades está dar respuesta a los desafíos actuales de la industria, en áreas como: la transformación digital, la reducción del impacto ambiental y el aseguramiento del confort y la salud del usuario. Con su actividad investigadora busca contribuir a los retos sociales con el fin de mejorar el bienestar y la salud de las personas, la sociedad y el planeta.

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

El boletín, de forma similar a los demás Boletines que viene realizando la OEPM para distintos sectores tecnológicos, recoge con periodicidad trimestral, una selección de las solicitudes de patente publicadas a nivel internacional del sector Calzado, clasificadas en los siguientes apartados: Adhesivos, Materiales de Corte y Plástico. Para cada documento de patente, un enlace permite consultar el texto completo del mismo en la base de datos Espacenet. Para acceder a aquellos documentos que en la fecha de realización del Boletín no han sido incorporados a Espacenet, se ha incluido un enlace a la oficina nacional de patentes que realizó la publicación, en la que el lector puede llevar a cabo la búsqueda del documento. Se puede acceder a las solicitudes de patente de cada apartado pulsando sobre las imágenes que aparecen en el recuadro a continuación. También, se incluye información de actualidad y proyectos de INESCOP, así como noticias sobre actividades relevantes de la OEPM.

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

Contenido

MATERIALES DE CORTE

ADHESIVOS

PLÁSTICO

MATERIALES DE CORTE

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
CN120119405	(ADID) ADIDAS AG [DE]	Manufacturing textile element, E.G., articles of apparel, such as sports apparel and also shirts, pants, jackets, or footwear, involves outputting thread, heating thread, and arranging heated thread in thread pattern
CN120154170	(ADID) ADIDAS AG [DE]	Article of footwear for non-performance activities E.G. leisurely stroll and performance activities, has rigid cage coupled to sole along portion of bite line, and projections includes exterior protrusion extending from exterior surface of base layer and disposed within one of openings in rigid cage
CN120167721	(ADID) ADIDAS AG [DE]	Lace adjustment device for article of footwear I.E. athletic shoe, used for sports E.G. basketball, has aperture whose central axis is eccentric relative to first and second surfaces and is spaced apart in length direction from curved face
DE102023136516	ADIDAS AG [DE]	A last for mounting a shoe, comprising: a retractable pin located on a sole side of the last), wherein the retractable pin is configured in an extended position to hold an insole board of the shoe in place while the shoe is mounted on the last, and wherein the retractable pin is configured in a retracted position to facilitate removal of the mounted shoe from the last.
EP4567132	(HIDE) HIDEXE S A [LU]	Method for processing hide for generating data for effective traceability of each hide and quality management of hides in leather industry, involves integrating combined data for effective traceability of each hide and quality management of plurality of hides
ES1318881	(SHOE) SHOEWEAR S L [ES]	Reinforcing heel pad for closed footwear, has curved anatomical geometry that is adapted to shape of user's heel and composed of layer of breathable material intended to improve comfort and reduce moisture accumulation
JP2025057018	GISEN KK [JP]	Artificial leather used for E.G. furniture, bag, shoe, hat, wallet, pouch, jacket, pant and coat, comprises fiber entanglement component containing nonwoven fabric made of dye-containing polyester fibers as component, and polymeric elastomer, and has preset washing fastness and light fastness

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
JP2025087240	JUKI CORP [JP]	Part with braided cord for use in manufacturing process of shoes, has convex portion that protrudes outward in left-right direction at positions adjacent to front and rear sides of string hanging portion and regulate movement of string hung
JP7659938	ELFE YG [JP]	Heel retaining element for use in shoe E.G. leather casual shoe, has flange portion that is located at lower end of second curved portion and protrudes outward
KR102791865	(KOLO) KOLON INC [KR]	Artificial leather for automobile seat cover, comprises substrate layer made of polyolefin resin, skin layer of resin composition including polyolefin resin and thermoplastic polyolefin elastomer resin, base coating layer of polycarbonate urethane, and top coating layer made of water-based urethane
KR102822496	UNAD MONACO CO LTD [KR]	Method for manufacturing leather applied to various purposes to fabrics, involves hydrolyzing powder of leaves and stems by enzyme and extracting zorit extract for manufacturing cosmetics
KR20250051363	KIM EU GENE [KR]	Upper and insole integrated eco-friendly shoe manufacturing method
KR20250051365	KIM EU GENE [KR]	Upper and insole integrated eco-friendly shoes Vehicle
KR20250060627	JUNGA CHI HONG [KR]	Shoe manufacturing method and device comprising the same
KR20250079733	YOO DAE-HYUNG [KR]	Apparatus for earthing mounted shoes
KR20250084721	BUSAN TECHNO PARK [KR]	Smart shoes
US2025127255	NIKE INC [US]	Article of footwear with transparent or translucent portions
US2025152934	(HAYD) HAYDEN STEVEN MARK [US]	System of electrical grounding for preventing aerosolization of airway particles in humans and animals, has capacitor of capacitance article physically connecting to attachment portion of capacitance article, attachment portion of capacitance article connecting to electrical conducting medium
US2025185751	(NKEN) NIKE INC [US]	Knitted component for use in article of footwear, such as running shoe, has first knit layer includes opening through which portions of second knit layer are exposed, and first side of opening extends along Wales and is adjacent pocket
US2025194731	(REDW) RED WING SHOE CO [US]	Moc-toe style boot for rugged performance, has one-piece molded polymeric construction that defines vertical toe wall of toe covering portion and upper vamp of instep covering portion that extends to eyestays defined by upper of boot
US2025194748	ADIDAS AG [DE]	Knitted upper for a sports shoe

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
US2025194750	(NKEN) NIKE INC [US]	Adjustment system for article of footwear, has collapsible body that is attached to outer surface of article of footwear and including set of segments cooperating to define chamber, and collapsible body is movable between elongated state and collapsed state
US2025198059	NIKE INC [US]	Interlaced knitted upper and methods of manufacture
WO2025072439	NIKE INNOVATE CV [US]; NIKE INC [US]	Footwear upper with inlaid strand lace apertures
WO2025076676	(DOWC, LIUA, LIUX, SUNY, YANG) DOW GLOBAL TECHNOLOGIES LLC [US]; YANG YUNFENG [CN]; LIU ANDONG [CN]; SUN YABIN [CN]; LIU XUEJUN [CN]	Artificial leather used in luggage/bag, shoe and auto applications, comprises multi-layer structure comprising top skin layer comprising olefin block copolymer and bottom fabric layer
WO2025085735	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Article for footwear, has receiver that is integrated into exterior surface of upper, and removable shield is configured to selectively attach to receiver, and removable shield is provided with outward-facing ornamental exterior surface when attached to receiver
WO2025085873	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Knitted component for use in article of footwear I.E. running shoe, has tensile element which extends through pocket of each of set of raised tubular structures, where tensile element in pocket is visible through transparent portion of first knit layer
WO2025090659	(ARIA) ARIAT INT INC [US]	Footwear article E.G. waterproof footwear for use by user, has bootie base coupled to bootie upper, and bootie securement system provided with anchor tab, which is extended from bootie and secured to sole assembly
WO2025091492	(DOWC) DOW GLOBAL TECHNOLOGIES LLC [US]; (LIUX) LIU XUEJUN [CN]	Recycled polymer composition used in article E.G. molded or fabricated article, comprises polyolefin elastomer (POE) artificial leather I.E. post-consumer recycled, and/or post-industrial recycled comprising POE and compatibilizer
WO2025128550	NIKE INNOVATE CV [US]; NIKE INC [US]	A knitted component and an article of footwear with said knitted component
WO2025128970	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Knitted component for use in E.G. running shoe, has knit structures interconnected in component portion when first yam alternatively passes in front of and behind second yam, where yams are not interlooped together in wales within portion
WO2025136987	NIKE INNOVATE CV [US]; NIKE INC [US]	Adjustment system for article of footwear
WO2025137130	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Bladder for attenuating impact forces incident on the upper and the wearer's foot for use in upper for an article of footwear, has thermoplastic envelope defining interior chamber that is movable between expanded configuration and compressed configuration

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
KR20250079087A	EE BYONGHYUK [KR]	Earthing shoes
KR20250092525A	LEE KEUN SIK [KR]	Earthing Shoes Structure and Manufacturing Method thereof

VOLVER A CONTENIDO

ADHESIVOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
JP2025052844	(NISN) NISSHINBO HOLDINGS INC [JP]	Marine biodegradable polymer compound used as marine biodegradation promoter, is formed by bonding anionic polymer compound without having ionic groups in its side chain, and anionic polymer compound having monovalent anionic groups in the side chains, via metal cation
EP4541875	(BUEF) BUEFA GMBH & CO KG [DE]	Use of aqueous solution containing dissolved hexavalent ferrate ions, as demulsifier in washing agent and/or cleaning agent for cleaning solid surface E.G. surfaces of boxes, glass bottles and non-glass bottles
WO2025106268	(DOWC) DOW GLOBAL TECHNOLOGIES LLC [US]; DOW SILICONES CORP [US]	Aqueous coating composition used for treating leather, comprises aminosiloxane ester copolymer, polymeric binder chosen from polyurethane and acrylic polymer, surfactant, and water
JP2025063533	DENKA CO LTD [JP]	Chloroprene-based latex composition used as water-based adhesive, has chloroprene-based copolymer and polyvinyl alcohol, where chloroprene-based copolymer comprises monomer units derived from chloroprene and monomer units derived from vinyl monomer containing carboxyl group
KR20250068355	SONG JONG HO [KR]	Non-sewing polyurethane coated hot melt film, comprises polyurethane skin layer formed on one side of heteromorphic paper or film, UV-curable adhesive layer formed on the skin layer, and hot melt film formed on the UV-curable adhesive layer.

VOLVER A CONTENIDO

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
Inescop Shaping the future of footwear

PLÁSTICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
AU2023266250	(SAFE) SAFETY SPONGE SHOES PTY LTD [AU]	Safety sponge shoe used as footwear for those who work on roofs, such as roof tilers, has a sponge attached to rubber layer and Velcro straps
CN11985682	(ADID) ADIDAS AG [DE]	Sole for sports shoe E.G. running shoe, has shearing structure that is arranged in midsole, and is configured to allow relative movement between upper midsole layer and lower midsole layers with shearing structure
CN119859233	(LIMM) SIKA TECH AG [CH]; (SIKA) LI MINGKANG [CN]	One-components moisture-curable mildew-proof polyurethane composition useful as adhesive or sealant, comprises polyether-based polyurethane pre-polymer, plasticizer, organic mildew-proof agents without active hydrogen and inorganic filler
CN119924612	(ADID) ADIDAS AG [DE]	Sole for shoe I.E. sports shoe, has reinforcing frame whose first part substantially surrounds an outer boundary of mid-sole, lateral side region, medial side region, heel region and toe region of mid-sole for defining open space, and mid-sole whose part is received in open space
CN119969684	(ADID) ADIDAS AG [DE]	Component for footwear article E.G. shoe, has textile element, which includes continuous thread arranged in thread pattern, and thread lines of first group of thread lines are arranged in midfoot region of footwear article
CN120023166	(ECCO) ECCO SKO AS [DK]	Producing hydrothermal liquefaction based product comprising oil product and recycled chemical involves providing feedstock fraction comprising footwear products, processing portion of feedstock fraction into particulated feedstock fraction
CN120078213	(ADID) ADIDAS AG [DE]	Sole for sports shoe, has inner sole whose top surface is provided with untextured area, and first textured area located in toe region of inner sole, and second textured area located in heel region of inner sole
CN120134296	(ADID) ADIDAS AG [DE]	Method for processing components of moving article E.G. sports article by robot, involves creating first path for to-be-processed component, transferring second path to robot, and performing processing of to-be-processed component by robot based on second path

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
CN120154167	(ADID) ADIDAS AG [DE]	Sole plate for article of footwear E.G. running shoe, has first portion is arranged on medial side of sole plate, second portion is arranged on lateral side of sole plate, first portion arranged is arranged on lateral side of sole plate, and second portion arranged on medial side of sole plate
CN120188953	(ADID) ADIDAS AG [DE]	Support element for being arranged in sole structure of midsole of shoe during athletic activity, has first portion associated with lateral side of sole structure, and comprising first segment exhibiting wave structure, and second portion associated with medial side of sole structure
DE102023133488	(ADID) ADIDAS AG [DE]	Heating unit for providing heat energy without contact to sole element of article of E.G. sports shoe, has unit main body for selectively heating partially contour of sole element, where unit main body is configured to not heat portion within contour of sole element
DE102023134492	(ADID) ADIDAS AG [DE]	Sole I.E. midsole, for use in sports shoe, comprises first contact surface of top side of first layer and second contact surface of bottom side of second layer are arranged spaced apart from one another in first region, while sole is subjected to first loading intensity.
DE102023136525	(ADID) ADIDAS AG [DE]	Sole structure for shoe I.E. soccer shoe, has slider element configured to slide in transverse direction of sole structure, where slider element slides towards lateral side of structure when pressure is applied to medial portion of structure
DE102023210060	(ADID) ADIDAS AG [DE]	Article of footwear with studs I.E. sports shoe, comprises intermediate component arranged in underfoot portion of article of footwear and extends to medial side portion and to lateral side portion of upper, and outsole arranged below intermediate component
DE102023210140	(ADID) ADIDAS AG [DE]	Sole for running shoe, has midsole, which includes circumferential wall for defining open space, and membrane is configured to store and return energy, and reinforcing frame partially supports midsole and membrane
EP4533972	(INNO) INNOVATION SOLES LTD [HK]	Sole part for work protective shoe, has protective layer arranged to prevent sharp objects from penetrating through sole part main body when stepped upon by user of shoe, where protective layer is arranged between mid-sole and outsole
EP4541572	(GNIT) GN INT CO LTD [KR]	Midsole manufacturing device capable of controlling mixing ratio of recycled and ethylene-vinyl acetate foam, has raw material supply unit for supplying recycled raw material and raw material to midsole molding device

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
EP4544945	(JALK) SIEVIN JALKINE OY [FI]	Shoe sole for safety shoe I.E. anti-injury shoe, that is utilized as working shoe, has elastic insert embedded into midsole extending in heel area of shoe sole, and sheet comprising front portion locating between insole and midsole in ball area and rear portion between outsole and insert
EP4544946	(FENG) FENG TAY ENTPR CO LTD [TW]	Foam blend incorporating phase change material for foaming and making a foamed shoe body, comprises thermoplastic material, blowing agent mixed with thermoplastic material, crosslinking agent mixed with thermoplastic material, and phase change material
EP4573950	(ADID) ADIDAS AG [DE]	Midsole for sports shoe such as basketball shoe, has ground facing component comprising rim portion with first inward-facing wedge-shaped elongate protrusion, where foot support component arranged slidably partially inside ground component
ES1319256	BAREFOOT CANARIAS SL [ES]	Football boot with a wider width, characterized by being made from a football boot with an anatomical design of its last, which is noticeably wider in the toe area than conventional boots, said boot comprising a flexible sole, as well as an upper cut made of breathable material that is adaptable to the morphology of the foot
ES3015310	(ACCI) ACCIONA GENERACION RENOVABLE S A [ES]	Composite material used for forming sole of footwear E.G. sneaker, comprises particulate additive material comprising glass fiber and epoxy resin and homogeneously dispersed throughout elastomer matrix, and matrix comprising elastomer
GB2634399	(RADF) CHLOE MARTHA RADFORD [GB]	Alert system used in footwear, such as football shoes, for alerting user to risk of injury, such as anterior cruciate ligament injury, comprises memory that includes a set of pressure thresholds associated with each of pressure sensors
GB2634784	(LEAM) LEAMIO LTD [GB]	Lozenge for apparatus for item of footwear, E.G. shoe or sandal, comprises marks that cooperate with lozenge positioning device to allow lozenge to be positioned on item of footwear, where marks comprise notches in edge of lozenge, and visual indicators on lozenge
JP2025063485	TIGERS POLYMER KK [JP]	Fragrant shoe insole for scented shoe, has arch cushion which has structure in which crosslinked rubber composition containing fragrance component is sandwiched between surface layer and back layer, and surface layer in portion where arch cushion is formed

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
JP2025086186	KANEKA CORP [JP]	Molded body, I.E., bottle shape, used for automotive applications such as cylinder head covers, is obtained by molding resin composition comprises recycled polyester resin, heating resin composition, punching obtained film into dumbbell-shaped to obtain dumbbell and stretching dumbbell
JP7681283	NAIGAI CARBON INK CO LTD [JP]	Removable knitted insole for footwear such as shoes, has knitted fabric with surface, when viewed from front side of knitted fabric, such that first yarn is located on front surface side of face stitch, and second yarn is located on back surface side of face stitch
KR102796820	(MOSP) MO SPORTS CO LTD [KR]	Recovery shoe based on biodegradable polymer composite, comprises E.G. biodegradable polyurethane synthesized with epoxidized polyol, biodegradation accelerator derived from plant-based sugars, and fatigue relief agent
KR20250075878	KIM GYU DEOG [KR]	Assemblable shoes
KR20250081220	NAT JOB NETWORK COOP [KR]; JUEN BUM-SIK [KR]	Foot care insole with sterilizing function
TWI879487	(EUAC) EURO ACE COMPOSITE MANUFACTURING CO LTD [TW]	Insole for shoe, has fixing structure arranged around spring body, where two ends of one of wires in spring body are fixed to fixing structure, and each of wires has tension
TWM669453	(SHUI) SHUI MU INTERNATIONAL CO LTD [TW]	Lightweight sole structure for shoe, has elastic air cushion made of elastic material and including top surface, bottom surface and side wall portion, where air cushion is assembled in assembly portion
US12336591	(GUNT) GUNTERSVILLE BREATHABLES INC [US]	Method for making E.G. shoe, involves compressing laminate and polymer sheet between first surface and second surface of sole mold in presence of heat such that laminate is bonded with and overlays sheet to form outsole, and operatively attaching outsole to footwear upper to form footwear item
US2025122390	(USGO) L LIVERMORE NAT SECURITY LLC [US]	Polyolefin-based ink used in direct ink writing and three-dimensional printed items such as medical devices E.G. braces for neck, comprises polyolefin comprising functional group E.G. vinyl group for crosslinking, where polyolefin comprises ethylene monomeric unit and propylene monomeric unit
US2025134204	(ADID) ADIDAS AG [DE]	Sole structure for shoe used by athletic shoe, has midsole structure that integrally formed, where midsole shell provided with upper platform and lower platform that formed to define cavity. Multiple cushion elements retained in cavity

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
US2025135692	(FENG) FENG TAY ENTPR CO LTD [TW]	Foam blend incorporating phase change material for foaming and making foamed shoe body, comprises thermoplastic material, blowing agent mixed with thermoplastic material, and one crosslinking agent mixed with thermoplastic material
US2025151841	(CLEO) CLEOPHOUS HUGHES JR JAMES [US]; (COOP) COOPER AARON [US]	Footwear article for grounding human body to earth, has multiple electrically conductive sections extend through sole from outer sole surface to inner sole surface, where outer sole surface and inner sole surface are arranged parallel to each other
US2025162232	(NKEN) NIKE INNOVATE CV [US]; 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
US2025176661	ADIDAS AG [DE]	Sole for a sports shoe
US2025178250	(FENG) FENG TAY ENTPR CO LTD [TW]	Real-time temperature measuring system for manufacturing a shoe material to form a midsole, has contacting point electrically connected to the central controller and controlled to move between a first position and a second position
US2025178251	(PUMA) PUMA SE [DE]	Method for manufacturing foam component I.E. sole structure used in article of footwear I.E. shoe, involves adding foaming agent to preform, where preform is foamed by exposing to target temperature for target time through heat generating device
US2025185755	(NKEN) NIKE INC [US]	Sole structure for article of footwear, has lower chassis for definig upper chassis surface extending continuously from forefoot region to heel region and supporting bladder, and lower cushioning element for overlapping first outsole segment along lateral joint
US2025196408	(KING) KING STEEL MACHINERY CO LTD [TW]	Injection molding method for forming article I.E. portion of footwear such as outsole, insole and midsole or any other products, involves detaching first component and second component from third mold, and attaching second component to first component during and after disengagement and detachment
WO2025068463	(BADI) BASF SE [DE]	Method for recovering polyester from article used for E.G. textile article, involves E.G. providing article and solvent system comprising gamma-valerolactone, contacting article with solvent system which is enriched in dissolved polymer of polyacetal, polyvinyl chloride and residue of article

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Inescop Shaping the future of footwear

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2025068466	(BADI) BASF SE [DE]	Preparation of polyester fiber for forming textile product, involves contacting polymer blend with solvent system, which is enriched in dissolved second polymer and/or colorant, precipitating polyester from solvent system, cooling, and preparing fiber from precipitated polyester
WO2025071551	(SOLV) SOLVAY SPECIALTY POLYMER USA LLC [US]	New polyamide used in polymer composition for forming filaments and spool of filaments in manufacture of three-dimensional article, comprises moieties derived from 4,4'-diaminodicyclohexylmethane in trans/trans configuration
WO2025072080	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Foot support system for article of footwear, in which second fluid line places foot support bladder in fluid communication with fluid reservoir and electronic control system configured to change second fluid line between open configuration and closed configuration
WO2025078291	(LORE) LORETZ DANIELA [CH]	Shoe for use by E.G. children, has shoe frame and/or sole main portion that are provided with fastening unit, and fastening element which is provided for reversibly fastening shoe frame and/or sole to replaceable portion, where fastening unit is interacted with fastening element
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
WO2025080996	(NEOX) NEOX PUBLIC BENEFIT LLC [US]	Additive manufacturing system for manufacturing article I.E. footwear such as shoes, has computing system that controls print system and articulation system, where first additive process comprises extruding multiple filaments of additive material simultaneously through first nozzle
WO2025085149	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Method for manufacturing sole structures incorporating fluid- filled bladder, such as cushioning element, involves applying negative pressure to first mold cavity to draw portion of first sheet into first mold cavity, and joining second sheet to first sheet to form cushioning element
WO2025090726	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Sole structure for footwear E.G. athletic footwear, has plate member including bottom plate surface adhesively fixed to upper-facing surface, and foam layer including bottom foam surface adhesively fixed to top plate surface in midfoot region and forefoot region

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2025101151	(OZDE) OZDEMIR RECEP [TR]	Accordion insole for use in footwear products E.G. sandals, has accordion-like space formed by folding edges, where upper structure and lower structure are joined together
WO2025101207	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Footwear article E.G. shoe has sole structure that includes plate, first foam layer overlying plate and with distal side interfacing with proximal side of plate, and second foam layer underlying plate and with proximal side interfacing with distal side of plate
WO2025101755	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Footwear article E.G. basketball shoe has sole element coupled to upper, where sole element comprises set of spaced apart apertures extending through sole element and sensory nodes of set of sensory nodes are spaced apart across majority of sole element
WO2025102392	(LONG) LONG YI SHOES SHENZHEN IND CO LTD [CN]	Ethylene-vinyl acetate copolymer foamed sole for shoes, is prepared by mixing and foaming ethylene-vinyl acetate copolymer composite material comprising component(s) comprising ethylene chloride-vinyl acetate copolymer(s), foaming agent, zinc oxide, dispersant, and polyolefin elastomer composite
WO2025104595	(GEOX) GEOX SPA [IT]	Waterproof and breathable sole structure for shoe, has set of ventilation channels adapted for directing water vapor towards surface of membrane facing inner face, and breathable portion fully located outside of forefoot portion
WO2025106353	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Article of footwear E.G. shoe, has second cushioning element that is mounted within partially enclosed cavity, and includes third barrier film and fourth barrier film enclosing internal volume, and outsole that comprises ground-engaging surface
WO2025114423	(BADI) BASF SE [DE]; BASF COATINGS GMBH [DE]	Preparing coated foam particles as particle foam molded part in shoe soles involves E.G. mixing foam particles with aqueous polyurethane dispersion having polyurethane and aqueous pigment paste comprising pigment and anionic/nonionic binder
WO2025114458	(BADI) BASF SE [DE]	Molded component for shoe soles, portions of shoe soles, shoe intermediate soles shoe insoles, damping elements and cushioning elements, comprises particles of expanded thermoplastic elastomer at least partially coated with thermoplastic polymeric surface coating and shaped component
WO2025115492	(TOYM) TOYOBO MC CORP [JP]	Polyester elastomer resin composition for foam molding, comprises biomass resource-derived polyester elastomer having at least one component derived from biomass resource, and heat stabilizer and has preset bio-based content, melt flow rate, and acid value

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2025117658	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Footwear article E.G. shoe with sole structure for bladder system connected to closable fluid line, has first fluid line that extends outward from heel area or mid-foot area of foot support bladder chamber or fluid reservoir chamber
WO2025117663	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Foot-receiving device for use by athlete, has reservoir portion including pump for supplying fluid to fluid line, where valve component is configured to prevent fluid from moving from pump into main reservoir portion of reservoir portion
WO2025117941	(UYGE) UNIV GEORGE MASON [US]	Three dimensional printed polymer-based composite for producing surface-textured composite comprises at least one polymer, at least one two dimensional materials blended with the polymers and embedded fibers of at least one fiber type
WO2025119732	(BADI) BASF SE [DE]	Separation of steam cracker feedstock from liquid stream comprising plastic pyrolysis oil, involves providing liquid stream comprising plastic pyrolysis oil, organic compounds comprising heteroatom and compounds having carbon-carbon double and/or carbon-carbon triple bonds, (ii) providing stream
WO2025127178	(YCTE) YC TEC CORP [KR]	Foam composition for shoe midsole, comprises polymer substrate comprising bio-based polyethylene vinyl acetate, bio-based polyolefin elastomer and thermoplastic elastomer and additive comprising zinc p-toluenesulfonate, processing additive, foaming agent, co-crosslinking agent and crosslinking agent
WO2025128168	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Article of footwear E.G. shoe, has set of waxy bonds that is arranged with waves having peaks and valleys extending in fore-aft direction of article of footwear and such that gas in interior cavity is in fluid communication around at least one polymeric sheet
WO2025128169	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Footwear article E.G. shoe, has multi-sheet core displaced from opposing inner surfaces at unbonded areas of multi-sheet core such that gas in interior cavity is in fluid communication around multi-sheet core
WO2025128501	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Cushioning component for wearable article I.E. footwear, has core that is arranged in interior cavity, and spaced entirely inward of peripheral bond, where core includes polymeric sheet defining multiple spaced slots extending from first side of polymeric sheet to second side of polymeric sheet
WO2025128502	(NKEN) NIKE INNOVATE CV [US]; NIKE INC [US]	Cushioning component E.G. midsole, for use in sole structure of E.G. shoes, has sidewall comprising polymeric sheet arranged around outer perimeter of core and directly bonded to first barrier sheet and second barrier sheet

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2025128809	NIKE INNOVATE CV [US]; NIKE INC [US]	Sole structure for article of footwear

VOLVER A CONTENIDO

MINISTERIO DE INDUSTRIA Y TURISMO
Oficina Española de Patentes y Marcas
Inescop Shaping the future of footwear

NOTICIAS

Inteligencia Artificial para un calzado infantil más seguro

En un contexto normativo cada vez más exigente, garantizar la seguridad del calzado infantil se ha convertido en una prioridad para los fabricantes. Con la entrada en vigor del nuevo Reglamento Europeo sobre Seguridad General de los Productos, (UE) 2023/988, las empresas del sector del calzado se enfrentan al reto de evaluar y documentar rigurosamente los riesgos de sus productos antes de su puesta en el mercado. Ante este nuevo escenario, el proyecto PREDERISK4CHILDREN representa una solución innovadora que combina tecnología avanzada y conocimiento técnico, poniendo el foco en la seguridad del calzado infantil como uno de sus principales casos de estudio.

En 2024 entró en vigor el nuevo Reglamento europeo sobre seguridad general de productos (RSGP), sustituyendo a la Directiva anterior de 2001. Este reglamento busca garantizar un alto nivel de protección para los consumidores, aplicándose a la mayoría de los productos de consumo no alimenticios y, por tanto, al calzado. El Reglamento establece nuevas responsabilidades para todos los actores de la cadena de suministro, incluyendo la obligación de que los productos sean seguros.

En el ámbito del calzado y, más concretamente, del calzado infantil, la evaluación de producto se realiza según los requisitos de seguridad física y mecánica establecidos en la norma UNE 59300:2024.

Actualmente, y con el objetivo de ayudar a los fabricantes de calzado infantil a fabricar productos más seguros desde la etapa de diseño, el proyecto *PREDERISK4CHILDREN* tiene como objetivo crear una plataforma digital basada en inteligencia artificial capaz de analizar imágenes y descripciones de productos para identificar automáticamente riesgos conforme a la normativa aplicable. El desarrollo de esta herramienta está basado en técnicas de visión por ordenador y procesamiento de lenguaje natural, que permiten detectar componentes peligrosos y sugerir recomendaciones, todo ello de forma automática y accesible, incluso cuando no se cuenta con grandes recursos técnicos.

Como resultado del proyecto se espera alcanzar un sistema funcional capaz de generar fichas que sirvan como punto de partida para la evaluación de riesgos, a partir de una fotografía y descripción del producto, basadas en modelos de IA entrenados con datos reales de incidentes y en una base normativa con acceso a alertas. Estas fichas no sustituyen a la documentación técnica oficial, sino que actúan como una guía de apoyo en la identificación preliminar de riesgos, dentro de una herramienta adaptable a distintos contextos sociales y geográficos que facilite el cumplimiento de la normativa vigente.

La implementación de este tipo de herramientas permitirá reducir tiempos y costes de producción, minimizar riesgos de sanciones o retiradas de producto, y reforzar la competitividad y confianza del mercado.

El desarrollo del proyecto PREDERISK4CHILDREN, financiado por el IVACE+i y los Fondos Feder, cuenta con la colaboración de empresas de calzado y productos infantiles, cuya participación es clave para la recopilación de imágenes reales de producto, validación de resultados y testeo de la herramienta en entornos productivos, asegurando así que los resultados responden a necesidades reales del sector. Además, se cuenta con la colaboración del Instituto Tecnológico del Producto Infantil y Ocio, AIJU, el cual centrará su investigación en la evaluación de seguridad de otros artículos para la infancia.

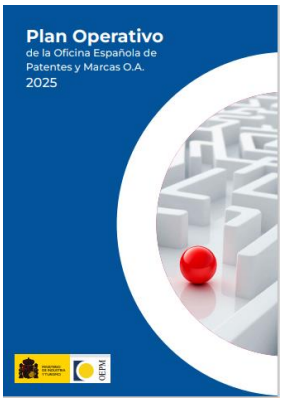
El proyecto promueve una cultura preventiva y sostenible, evitando la producción de calzado potencialmente inseguro y, reduciendo así, los costes asociados a devoluciones o rediseños. En definitiva, PREDERISK4CHILDREN impulsa la transformación digital del sector del calzado infantil, ayudando a las empresas valencianas a mejorar la seguridad de producto adaptándose a nuevos marcos legislativos, gracias a la integración de inteligencia artificial en sus procesos, al tiempo que responde a las crecientes exigencias del mercado y del consumidor en materia de seguridad de producto.

Más información: **https://www.inescop.es/es/i-d-i/proyectos-i-d-i/proyectos-i-d-i-ivace/ivace/63-2025/868-prederisk4children**

Si eres una empresa de calzado interesada en la implementación de soluciones innovadoras para la seguridad de producto, no dudes en contactar con INESCOP (proyectos@inescop.es).

GENERALITAT VALENCIANA
IVACE+i INSTITUTO VALENCIANO DE COMPETITIVIDAD E INNOVACIÓN
Financiado por la Unión Europea

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 invención

Por cuarto año consecutivo, la **Oficina Española de Patentes y Marcas, O.A.** (OEPM) ha concedido los premios a las Mejores Invenciones 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

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