

Boletín VT eDEPENDENCIA

1^{er} trimestre 2025

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Vigilancia Tecnológica



El Consejo de Europa define la **dependencia** como *"la necesidad de ayuda o asistencia importante para las actividades de la vida cotidiana", o, de manera más precisa, como "un estado en el que se encuentran las personas que, por razones ligadas a la falta o la pérdida de autonomía física, psíquica o intelectual, tienen necesidad de asistencia y/o ayudas importantes a fin de realizar los actos corrientes de la vida diaria y, de modo particular, los referentes al cuidado personal"*.

El presente boletín, elaborado por la Unidad de Información Tecnológica de la Oficina Española de Patentes y Marcas (OEPM), pretende revisar la evolución de la innovación, en el marco de las patentes de las tecnologías TIC en relación con aspectos tales como la accesibilidad de las

personas mayores o con algún tipo de discapacidad a las nuevas tecnologías de la información y comunicaciones, los dispositivos de ayuda a la movilidad física o la atención de personas en situación de dependencia a través de servicios de teleasistencia domiciliaria y monitorización remota.

De este modo, el boletín, de periodicidad trimestral, recogerá las publicaciones más recientes de solicitudes internacionales de patentes (solicitudes PCT) publicadas en el trimestre inmediatamente anterior a su elaboración. Se ha restringido el ámbito de este boletín a solicitudes PCT por considerarse que al ser estas solicitudes con las que las empresas pretenden proteger sus invenciones en distintos países, se corresponden con invenciones de una cierta relevancia tecnológica.

CONTENIDO:

- Accesibilidad a las nuevas tecnologías de la información
- Ayuda a la movilidad
- Teleasistencia sanitaria
- Otras referencias

NIPO: 220-24-016-2

Solicitudes de Patente Publicadas

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

ACCESIBILIDAD A LAS NUEVAS TECNOLOGÍAS DE LA INFORMACIÓN

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2025009718A1	HUMANIT CO LTD	Artificial intelligence glasses system capable of supporting communication between hearing-impaired person and non-hearing-impaired person and recognizing close-range situation
WO2025022164A1	EUROPEAN COMFORT S R L	Apparatus and method for assisting visually impaired persons
WO2025046804A1	RESONAC CORP	Tag and method for providing article
WO2025009950A1	CHOI SEO YOON	Navigation system for visually impaired
WO2024249248A1	MORAT GAMING LLC	Systems and methods for providing haptic feedback to dhh persons
WO2025040678A1	WIDEX AS	Method of operating a hearing aid and hearing aid
WO2025010516A1	TORRES MILLAR RICARDO EULOGIO	Prescription goggles for use in water
WO2025053274A1	KIMURA CORP	Toilet guidance system, toilet guidance program, and toilet guidance method
WO2025037303A1	FISHER AMIT	Safety system for swimmers including visually impaired and elderly swimmers
WO2025038664A1	VISA INT SERVICE ASS	Touchscreen input with haptics
WO2025009183A1	KIKUI TOSHIKAZU	Automatic reading device
WO2025054774A1	SHENZHEN INST OF ADV TECH CAS	Visual slam-based path planning method and apparatus, electronic device, and storage medium
WO2025030206A1	SQUID EYE PTY LTD	Remote eye gaze cursor control technology
WO2025012058A1	HANDICARE STAIRLIFTS B V	Stairlift with foldable chair with assist system
WO2025034252A1	MICROCHIP TECH INC	Wearable system for spatial audio detection with alerting elements for detection of potentially dangerous events
WO2025029834A1	SPDR INNOVATIONS LLC	Intelligent door screen system for providing safety and security
WO2025029115A1	BELL THERAPEUTICS INC	Auditory training method and device
WO2025004825A1	PLATZ CO LTD	Floor-standing handrail and floor-standing handrail weight
WO2025042363A1	YORGLASS CAM SANAYI VE TICARET ANONIM SIRKETI	Embossed tempered control panel glass for the visually impaired
WO2025027382A1	PUCCI GUERINO	System for the delivery and collection of goods
WO2025012435A1	ASSA ABLOY ENTRANCE SYSTEMS AB	System and method for operating an automatic door system using a radar sensor
WO2025029811A1	VERILY LIFE SCIENCES LLC	Intraocular implant
WO2025032251A1	GEHLHAAR MATOSSIAN VAHAKN WOLFRAM	Apparatus for conducting music
WO2025018482A1	PRESBYTERIAN MEDICAL CENTER	Voice control device for treatment of hearing-impaired patient
WO2025033750A1	SAMSUNG ELECTRONICS CO LTD	Refrigerator and method for controlling indoor lamp of freezer compartment thereof
WO2025038142A1	SAFE HARBOR HOSPITAL BEDS LLC	Hospital bed with foot egress
WO2025026656A1	DOTLUMEN S R L	Feedback unit, wearable device comprising the feedback unit and methods for visual guiding the movement of a visually impaired user having moderate impairment
WO2025041940A1	LG ELECTRONICS INC	Assistive device for home appliances
WO2025027631A1	INDIAN INST TECH MADRAS	A sparsh bharati e-reader system and a method thereof

<u>WO2025034621A2</u>	FREEDOM SCIENTIFIC INC	Split line braille system
<u>WO2025001597A1</u>	ZTE CORP	Voice and sign language conversion method and apparatus
<u>WO2025018480A1</u>	CATHOLIC UNIV KOREA IND ACADEMIC COOPERATION FOUNDATION	Eye drop storage device for assisting user to use eye drop and method for operating same
<u>WO2025040572A1</u>	WIDEX AS	Method for operating a hearing aid and hearing aid
<u>WO2025059512A1</u>	THALES AVIONICS INC	Sign language cabin notification system
<u>WO2025003989A1</u>	CLOUDIA RES S P A	Method and system for the automatic translation of sign language into a different idiom
<u>WO2025064799A1</u>	KATMAI TECH INC	Methods and systems for integrating two-dimensional and three-dimensional video conference platforms into a single video conference session
<u>WO2025053842A1</u>	VISA INT SERVICE ASS	Apparatus, system, and method for non-visual payment authentication
<u>WO2025011629A1</u>	ALIPAY HANGZHOU INF TECH CO LTD	Sign language recognition and interaction
<u>WO2025007039A1</u>	SIGN SPEAK INC	Realtime ai sign language translation with avatar
<u>WO2025006817A1</u>	SEMNANI RODMEHR TIVON BAYEGAN	Vision assistance apparatus and associated systems and methods

[...ver más](#)

AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2025023874A2	PRINCESS NOURAH BINT ABDULRAHMAN UNIV	Self-controlled wheelchair
WO2025020262A1	SHANGHAI BANGBANG ROBOTICS CO LTD	Folding wheelchair
WO2024258062A1	SAMSUNG ELECTRONICS CO LTD	Method of determining arm posture of user and electronic device for performing method
WO2025000317A1	BEIJING DONGSI INNOVATION TECH CO LTD	Chain-type telescopic hip joint exoskeleton
WO2025016056A1	GUANGDONG MEIJI BIOTECHNOLOGY CO LTD	Four-column standing bed
WO2025015010A2	BEAVERS JAY CURTIS	Systems, methods, and techniques for controlling powered devices
WO2025035895A1	SHENZHEN ASPIRED TECH CO LTD	Rollator
WO2025046461A1	TEGLIA GIOVANNI	Aid device for persons with motor disabilities for entering and exiting in/from a swimming pool
WO2025005377A1	KOREA INST MACH & MATERIALS	Posture changing apparatus having armrests, for wheelchair
WO2025005479A1	SAMSUNG ELECTRONICS CO LTD	Message output method and electronic device for performing same method
WO2025017470A1	MHEALTH TECH S R L	Corrective system for the walking of individuals with mobility impairment
WO2025051303A1	QUANZHOU ABLE TRITRUST METAL PRODUCT CO LTD	Multifunctional folding chair
WO2025018321A1	LIVING ROBOT INC	Exercise assistance system and exercise assistance method
WO2025042909A2	HARVARD COLLEGE	System and method for controlling a wearable robotic device
WO2025053894A1	MASSACHUSETTS INST TECHNOLOGY	Systems and methods for supporting a user
WO2025012122A1	FUND TEKNIKER	Portable device for exercising bedridden patients
WO2025027198A1	CC CONTACT	Total bicondylar knee prosthesis made of solid ceramic integrating a pin
WO2025029972A1	MASSACHUSETTS INST TECHNOLOGY	Advancements in magnetomicrometry, state-estimation and neuromuscular control
WO2025034327A1	SWEDE SUPPORT LLC	Stabilization device
WO2025056684A1	GEORG AUGUST UNIV GOETTINGEN STIFTUNG OEFFENTLICHEN RECHTS UNIVSMEDIZIN	Finger exoskeleton
WO2025049489A1	DEPHY INC	Powered exoskeletons comprising a hybrid braided-composite shear interface
WO2025019316A1	UNIV TEXAS	Methods and systems for closed loop vagus nerve stimulation triggering
WO2025017564A1	KINESICS AI LTD	Game-based system and methods for rehabilitation
WO2025050021A1	UNIV COLORADO REGENTS	Modular origami shape-morphing soft exoskeletal legged robot
WO2025002972A1	KONINKLIJKE PHILIPS NV	System and method for detecting and compensating tremors
WO2025053788A1	UNIV NANYANG TECH	Upper limb assistive system and method
WO2025056700A1	ZEAL MOBILITY DEVICES B V	Orthotic foot brace
WO2025064856A1	US HEALTH	Gait assistance systems and methods of control thereof

WO2025000700A1	BEIJING DONGSI INNOVATION TECH CO LTD	Hip joint exoskeleton
WO2025000926A1	SHENZHEN INST OF ADV TECH CAS	Modular mechanical free-clutch exoskeleton joint
WO2025035658A1	SHENZHEN INST OF ADV TECH CAS	Hand exoskeleton for rehabilitation
WO2025034686A1	MASSACHUSETTS INST TECHNOLOGY	Switchable clutch based on self-amplified friction of interleaved layers
WO2025024709A1	KAR HEALTH LLC	Valve leaflet exoskeleton and related systems and methods
WO2025032085A1	BOCK OTTO HEALTHCARE PROD GMBH	Orthopaedic joint device and method for controlling same
WO2025032086A1	BOCK OTTO HEALTHCARE PROD GMBH	Orthopaedic joint device and method for controlling same
WO2025038653A1	LIFE ENABLED INC	Gait trainer
WO2025053470A1	SAMSUNG ELECTRONICS CO LTD	Driven camera positioning mechanism operated by arm motion, and wearable suit having same
WO2025035818A1	SHENZHEN INST OF ADV TECH CAS	Self-locking gripping power-assist apparatus suited to complex terrains

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TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2025014633A2	WELLNUO LLC	Multi sensor array smart plug for health and habit tracking
WO2025017782A1	MITSUBISHI ELECTRIC CORP	Assistance request system, position information management device, and assistance request method
WO2025059296A1	BATTELLE MEMORIAL INSTITUTE	Triage bandages and sensors
WO2025047935A1	SOFTBANK GROUP CORP	Behavior control system, control device, electronic apparatus, and avatar display device
WO2025013276A1	AXIOHELIX CO LTD	State monitoring system for person to be assisted
WO2025056519A1	SIGNIFY HOLDING BV	Method of optimally positioning a time-of-flight sensor on a ceiling
WO2025059747A1	ARAUJO CASTELO BRANCO LUCIANO	Motor vehicle alarm device for detecting the presence of children and/or animals inside the vehicle
WO2025021374A1	BIOTRONIK SE & CO KG	Multi-disciplinary remote patient assistance system
WO2025050085A1	ABBOTT DIABETES CARE INC	Deployment and use of a continuous analyte monitoring system for improved patient treatment
WO2025027036A1	KARMA TECH AG	Sensor device and monitoring method
WO2025051577A1	BIOTRONIK SE & CO KG	Method and system for predicting an adverse patient clinical event
WO2025032350A1	IVM ZRT	Multi-functional mobile medication dispensing device
WO2025024858A1	FECHTER CARY ERWIN	Systems, devices, and methods for fiber optical data transmission in medical devices
WO2025027581A1	BLINK ENERGY LTD	System and device for monitoring eye and eyelid motion
WO2025029971A1	AGILEWORKS LLC	High-intensity focused electromagnetic therapy for hypogonadism and associated systems
WO2025043290A1	SEER MEDICAL HOLDINGS LTD	A method to forecast multiple seizure types using seizure cycles
WO2025003867A1	TERUMO CORP	Ultrasound measurement device
WO2025058913A1	MELANOXI PULSE OXIMETER LLC	Pulse oximeter

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OTRAS REFERENCIAS

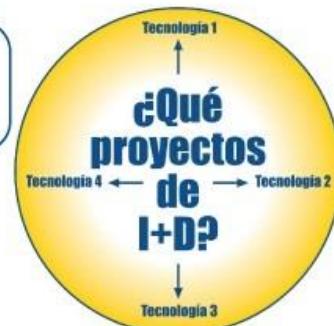
Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2025040826A1	LARRONDO ALCAINO ROSSANA MARISOL	Doll
WO2025028370A1	NITTO DENKO CORP	Robot, robot control method, and program
WO2025018476A1	PRESBYTERIAN MEDICAL CENTER	Chair for treatment of hearing-impaired patient
WO2025027699A1	NIPPON TELEGRAPH & TELEPHONE	Subjective feeling of movement recognition assistance device, method, and program
WO2025050907A1	BEWATEC ZHEJIANG MEDICAL EQUIPMENT CO LTD	Nursing bed
WO2025009980A1	AIDENCY AS	Method of providing a medical assistance device for use by a non-medically trained person, and device and network thereof
WO2025040835A1	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY	Weather model-based automated parametrisation of gated camera apparatus
WO2025005049A1	SEKISUI CHEMICAL CO LTD	Information processing system, information processing method, and program
WO2025024165A2	JAZZER LLC	Platform for sexual stimulation devices
WO2025002907A1	ZEISS CARL AG	Method for defining the focal plane of a virtual image from an optical arrangement which can be worn in front of the eyes
WO2025013986A1	PROMAX CO LTD	Integrated home training posture coaching platform system using artificial intelligence and big data
WO2025035180A1	MELBOURNE INST TECH	Electrophysiological sensor and method of detecting electrophysiological signals
WO2025049109A2	LIFELENS TECH INC	Communication of data via mobile network nodes in compartmentalized monitoring environments
WO2025009581A1	HEDGEHOG MEDTECH INC	Cognitive behavioral therapy support method, cognitive behavioral therapy support device, cognitive behavioral therapy support program, and recording medium
WO2025028147A1	PANASONIC IP MAN CO LTD	Person detection system
WO2025059436A1	EDWARDS LIFESCIENCES CORP	Implantable medical device
WO2025054610A1	UNIV CALIFORNIA	Detection of dementia biomarkers using aptamer-modified graphene field-effect transistors
WO2025000378A1	SHENZHEN INST OF ADV TECH CAS	Indoor positioning and navigation method based on fusion of wi-fi fingerprint information and inertial sensor information
WO2025003717A1	NIBSM HUNGARY KORLATOLT FELELOSSEGU TARSASAG	Non-invasive blood glucose monitor

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Los ITPs** de la OEPM nos han ahorrado horas de revisión bibliográfica para definir el punto de partida de nuestros proyectos de I+D.

GRIFOLS 75



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

CSIC



Gracias a los ITPs** de la OEPM hemos podido decidir la mejor forma de protección de nuestros resultados de I+D y redactar adecuadamente nuestras solicitudes de patente.



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