



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: 116-19-012-2

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
WO 2024028759 A1	STROLL LTD	Systems and methods for presenting visual, audible, and tactile cues within an augmented reality, virtual reality, or mixed reality game environment
WO 2024015719 A1	SONY INTERACTIVE ENTERTAINMENT LLC	Systems and methods for communicating audio data
WO 2024035905 A1	MICROCHIP TECH INC	System for transmitting object related data from a base unit to a mobile unit through a person's body
WO 2024046861 A1	WALTER HANKE MECH WERKSTAETTEN GMBH & CO KG	Coin accelerator for a coin-operated vending machine
WO 2024015753 A1	SONY INTERACTIVE ENTERTAINMENT LLC	Systems and methods for communicating audio data via a display device
WO 2024003542 A1	ACTIVE HEALTHCARE SOLUTIONS LTD	A task management appliance
WO 2024052240 A1	SHL MEDICAL AG	Voice interrogation, control, and authentication of connected drug delivery devices
WO 2024023753 A1	CONTENT SQUARE SAS	Product exposure metric
WO 2024038263 A1	EARSWITCH LTD	Ear apparatus
WO 2024008981 A1	UNIV ALICANTE	Educational game device for learning and assessment
WO 2024047528 A1	COGNITIVE SYSTEMS CORP	Wi-fi sensing taking into consideration received noise power information
WO 2024047884 A1	TECH DEVELOPMENT LCC	Electronic magnifier
WO 2024026206 A1	SONY INTERACTIVE ENTERTAINMENT INC	User sentiment detection to identify user impairment during game play providing for automatic generation or modification of in-game effects
WO 2024053967 A1	BATONERS INC	Display-based communication system
WO 2024039666 A1	APPLE INC	Devices, methods, and graphical user interfaces for improving accessibility of interactions with three-dimensional environments
WO 2024052557 A1	DOCAXESS	Method for the automated processing of a document to allow it to be used by people with disabilities
WO 2024039448 A1	SONY INTERACTIVE ENTERTAINMENT INC	Automated detection of visual impairment and adjustment of settings for visual impairment
WO 2024014509 A1	DENTSU INC	Live audio real time generation system
WO 2024036213 A1	UNIV LELAND STANFORD JUNIOR	Systems and methods for decoding speech from neural activity
WO 2024050214 A1	SONY INTERACTIVE ENTERTAINMENT INC	Controller button labeling
WO 2024040098 A1	BANNER ENG	Machine indicator light with built-in status message
WO 2024042441 A1	COCHLEAR LTD	Targeted training for recipients of medical devices
WO 2024043502 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and control method therefor
WO 2024033665 A1	KLEEMANN HELLAS S A	Method and system for user and elevator communication with braille code
WO 2024030893 A2	STEADYSCRIB LLC	Writing system having magnetic writing tool and magnetic support surface therefor
WO 2024018310 A1	BAJNAID MOHAMMADFAWZI	wise-i: an electronic travel and communication aid device for the visually impaired

WO 2024014067 A1	COSMOGEAR CO LTD	Conversation assistance device
WO 2024035972 A1	MINDPORTAL INC	Systems and methods that involve bci (brain computer interface) and/or extended reality/eye- tracking devices, detect mind/brain activity, generate and/or process saliency maps, eye-tracking information and/or various controls or instructions, implement mind-based selection of ui elements and/or perform other features and functionality
WO 2024020473 A2	WALLACE NATALIE	Enhanced contrast face plate system, kit, and method

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AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
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WO 2024005243 A1	LG ELECTRONICS INC	Walking assistance system for visually impaired person and method thereof
WO 2024047581 A1	IUVO S R L	Exoskeleton including monitoring and maintenance tools
WO 2024056446 A1	SIGNIFY HOLDING BV	Fall detection system for fall detection of a person, method for fall detection of a person and a computer program product for fall detection of a person
WO 2024033712 A1	ABLE HUMAN MOTION S L	Backdrivable actuator for exoskeleton
WO 2024033955 A1	NEATECH IT S R L	Electrically powered vehicle
WO 2024052618 A1	WANDERCRAFT	Method for stabilized movement of a bipedal exoskeleton
WO 2024013729 A2	BAJNAID MOHAMMADFAWZI	A system based on ai and crowd dynamics invented to improve safety and efficiency while traveling in groups or clusters during crowded events like hajj and umrah
WO 2024052091 A1	BOSCH GMBH ROBERT	Method and device for determining movement patterns of a person
WO 2024052535 A1	ABLE HUMAN MOTION S L	System and method to move into and out from a system to assist walking
WO 2024038252 A1	XOTHOTICS LTD	A footwear adapter and orthosis for attaching to footwear
WO 2024048963 A1	SAMSUNG ELECTRONICS CO LTD	Assembly-type structure for fixing motor and exercise assistance device including same
WO 2024040018 A1	ASPEN MEDICAL PRODUCTS LLC	Orthopedic tension-reducing brace
WO 2024043425 A1	UNIV DONG A RES FOUND FOR IND ACAD COOP	Soft covering structure for robot with metastructure applied
WO 2024034889 A1	SAMSUNG ELECTRONICS CO LTD	Method for determining gait state, and device performing method
WO 2024024205 A1	ASHIRASE INC	Foot-mounted device
WO 2024005733 A1	BURSA ULUDAG UENIVERSITESI	Mobile hand exoskeleton for support and rehabilitation
WO 2024025866 A1	UNIV JEFFERSON	Articles and methods for assisting movement of extremities
WO 2024018844 A1	DAICEL CORP	Falling prevention device
WO 2024043839 A1	THONGKAEW PARINYA	Wheeled guide handle for the visually-impaired
WO 2024020838 A1	INTEL CORP	Apparatus, method, device and medium for dynamic balance ability evaluation
WO 2024025998 A1	DEPHY INC	Custom exoskeleton configuration via data points
WO 2024039310 A1	INTERACT MEDIKAL TEKNOLOJILERI ANONIM SIRKETI	Adjustable passive exoskeleton

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TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
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WO 2024006829 A1	ZOLL MEDICAL CORP	Double sequential and multiple vector defibrillation for wearable cardioverter defibrillators
WO 2024004641 A1	GLORY KOGYO KK	Monitoring system, monitoring device, monitoring method, and monitoring program
WO 2024012668 A1	HUAWEI TECH CO LTD	Transmission alignment and interference mitigation for fmcw radar systems analysing the frequency difference between transmit chirps
WO 2024056937 A1	MARIELECTRONICS OY	Sensor and system for monitoring
WO 2024003361 A1	BOCK OTTO HEALTHCARE PROD GMBH	Method, computer program, and system for adjusting an orthopaedic device
WO 2024007393 A1	GUANGDONG YUANZHOU HEALTH TECH CO LTD	Temperature monitoring method and temperature monitoring system
WO 2024006347 A1	STRYKER CORP	Badge and patient support apparatus communication system
WO 2024052501 A1	RESMED SENSOR TECH LTD	Methods and apparatus for respiratory therapy device connectivity
WO 2024015513 A1	MERCURY ALERT INC	Systems and methods for detecting a position of a subject
WO 2024036327 A1	MASIMO CORP	Wearable physiological monitoring device
WO 2024050601 A1	VLEPIS SOLUTIONS PTY LTD	Cardiovascular monitoring device, and related methods and systems
WO 2024015752 A1	PERSIVIA INC	Systems and methods of patient prioritization scores and measures
WO 2024048862 A1	SUH BONG JIN	Crisis response application, crisis response control system, and crisis response control method
WO 2024031019 A1	MASIMO CORP	Transferring wireless monitoring with reduced data loss
WO 2024048836 A1	NEUROPHET INC	Device and method for redesigning treatment prescription according to evaluation of therapeutic effectiveness
WO 2024054145 A1	SKYRESPONSE AB	Social alarm system, computer-implemented method therefor, computer program and non-volatile data carrier
WO 2024010897 A1	CALMWAVE INC	Information management system and method
WO 2024042592 A1	MITSUBISHI ELECTRIC CORP	Vital measurement device and vital measurement method
WO 2024025932 A1	PHYSIQ INC	Method and apparatus for detecting conditions from physiology data
WO 2024019220 A1	LUXROBO CO LTD	Object behavior detection system using thermal imaging
WO 2024018400 A2	Q CUE LTD	Detecting and utilizing facial micromovements
WO 2024006829 A1	ZOLL MEDICAL CORP	Double sequential and multiple vector defibrillation for wearable cardioverter defibrillators
WO 2024004641 A1	GLORY KOGYO KK	Monitoring system, monitoring device, monitoring method, and monitoring program
WO 2024012668 A1	HUAWEI TECH CO LTD	Transmission alignment and interference mitigation for fmcw radar systems analysing the frequency difference between transmit chirps
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WO 2024015752 A1	PERSIVIA INC	Systems and methods of patient prioritization scores and measures

[WO 2024048862 A1](#)

SUH BONG JIN

Crisis response application, crisis response control system,
and crisis response control method

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024015312 A1	PARALLEL CAPTURE HOLDINGS INC	Interdental brush system
WO 2024057260 A1	HARTMAN HADASSA	Respiratory evaluation and monitoring system and method
WO 2024032897 A1	PIXIUM VISION SA	A system for projecting a selective optical pattern of interest into a human eye
WO 2024012920 A1	KONINKLIJKE PHILIPS NV	Cognitive test workflow adjustment
WO 2024053032 A1	TECHLICO INC	Mild cognitive impairment screening system
WO 2024059846 A1	SARCOS CORP	Multidirectional sensing array for robot perception
WO 2024050110 A1	SALUTEMP CORP	Medication management alert devices, systems, and methods of use thereof
WO 2024052365 A1	UNIV OTTO VON GUERICKE MAGDEBURG	Ex vivo biophantom for training of surgical and minimally-invasive surgical procedures
WO 2024034690 A1	EVERTRON HOLDINGS PTE LTD	Liquid control device
WO 2024034658 A1	UNIV TSUKUBA	Contact lens-shaped intraocular lighting device
WO 2024034037 A1	NIPPON TELEGRAPH & TELEPHONE	Assistance device, assistance method, and assistance program
WO 2024019890 A1	PARK JOON BU	Passively-coupled eye implant
WO 2024040289 A1	ATMO BIOSCIENCES LTD	Method, program, and apparatus for detecting small intestinal bacterial overgrowth
WO 2024020131 A1	MAYO FOUND MEDICAL EDUCATION & RES	Multi-channel and multi-mode audiometer and method
WO 2024034305 A1	MURATA MANUFACTURING CO	Pulse pressure measurement device and pulse pressure measurement method
WO 2024026150 A1	PIRANI SHAFAT	Method and apparatus for prescription management
WO 2024018396 A1	KUMAR DILEEP	A multifunctional nursing bed and system

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



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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