

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 remotas.

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: 088-17-024-6

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 2017036516	DEUTSCHE TELEKOM AG	Externally wearable treatment device for medical application, voice-memory system, and voice-memory-method
WO 2017042223	OPTIK HECHT E K INHABER: GERHARD HECHT	System for testing eyesight and detecting and correcting visual defects
WO 2017043989	POLITECHNIKA RZESZOWSKA	Remote control for the disabled
WO 2017036776	BSH HAUSGERÄTE GMBH	Touch-sensitive operator display and method for improving an operability of a scale of such an operator display
WO 2017043688	SOUNDBRIDGE CO LTD	Bluetooth earset having embedded ear canal microphone and method for controlling same
WO 2017021700	JOHNSON MATTHEY PIEZO PRODUCTS GMBH	Actuator for operating an adjusting element
WO 2017029678	NITIN VATS	Laptop computer with user interface for blind, and method for using the same
WO 2017034273	PCT CO LTD	Belongings recognition system for visually impaired
WO 2017039613	LOWE JAMES DUNCAN	Audiooptics
WO 2016199967	BLUWISE CO LTD	User intention input system on basis of pattern and sensor
WO 2017026942	CHAI WEI KUO ANDREW	Apparatus for display adjustment and method thereof
WO 2017026652	SAMSUNG ELECTRONICS CO LTD	Method and apparatus for outputting audio in electronic device
WO 2016198721	EYESYNTH S L	Portable system that allows blind or visually impaired persons to interpret the surrounding environment by sound or touch
WO 2016192762	DEUTSCHE TELEKOM AG	Augmented reality systems and methods to access optical information
WO 2017018817	HONG KYO-SIK	Mobile page viewing management device, and system and method for same
WO 2017023139	SEO INSIK	Automatic alternative content search apparatus for visually impaired person
WO 2017024359	PROSPECT SILVER LTD	A visual aid system
WO 2016202008	ZTE CORP	Speech-to-speech translation method and apparatus for language disorder, and storage medium
WO 2017005455	OMNITOR AB	System and method for alerting a user
WO 2017008173	COSSON PATRICK	Method and device for helping to understand an auditory sensory message by transforming same into a visual message

[...ver más](#)

AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2017042753	ROGOZINSKI JOSEPH	Devices enabling the disabled to stand, walk and activate one's body
WO 2017043988	POLITECHNIKA RZESZOWSKA	System of adaptation standing frame supporting the rehabilitation process of the disabled
WO 2017040908	UNIV MICHIGAN REGENTS	Load-bearing exoskeleton
WO 2017044093	EKSO BIONICS INC	Systems and methods for creating custom-fit exoskeletons
WO 2017043101	SONY CORP	Information processing device, information processing method, and program
WO 2016193106	KONINKLIJKE PHILIPS NV	System for supporting an elderly, frail and/or diseased person
WO 2017035512	UNIV CALIFORNIA	Concerted use of noninvasive neuromodulation device with exoskeleton to enable voluntary movement and greater muscle activation when stepping in a chronically paralyzed subject
WO 2016199991	ION CO LTD CORP	Intelligent walking assistance device for visually handicapped people and elderly and infirm
WO 2017013473	ENAA Y TECNOLOGÍAS SA DE CV	Spatial detection device
WO 2017026943	NANYANG TECH UNIV	Exosuit
WO 2017009795	FONDS ITALIANO DI TECNOLOGIA	Foot for a robotic exoskeleton for assisted walking of persons suffering from locomotor disorders
WO 2017015088	LOCKHEED CORP	Variable force exoskeleton hip joint
WO 2016210446	U S BIONICS INC	Design and use of a leg support exoskeleton
WO 2017015086	EKSO BIONICS INC	Universal tensegrity joints for human exoskeleton
WO 2016210117	UNIV CALIFORNIA	A mechanism for efficient donning and doffing of an exoskeleton
WO 2016210121	UNIV CALIFORNIA	Passive power-conservative artificial knee
WO 2017006322	REWALK ROBOTICS LTD	Methods and apparatuses for exoskeleton attachment

[...ver más](#)

TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2017005983	NOKIA TECHNOLOGIES OY	Monitoring
WO 2017040700	MASIMO CORP	Wireless patient monitoring systems and methods
WO 2016207101	KONINKLIJKE PHILIPS NV	Method and apparatus for controlling the operation of an electronic device
WO 2017005326	WIDEX AS	System and method for feature management in a hearing aid
WO 2017032793	KONINKLIJKE PHILIPS NV	Device and system for monitoring of pulse-related information of a subject
WO 2017036895	KONINKLIJKE PHILIPS NV	Connector and device for wireless transmission of data and/or power
WO 2017011197	FRESENIUS MEDICAL CARE HOLDINGS INC	Social virtual dialysis clinic
WO 2017036952	MINZE NV	Uroflowmetry systems, devices, and methods
WO 2017038116	STAR MFG CO	Going outside monitoring system
WO 2017001848	SENSIXIA LTD	A sensing system for detecting the behavior of a user
WO 2017006258	ARCON SRLS	A device for digitizing the sound of a stethoscope and sending it to an electronic instrument
WO 2017025363	KONINKLIJKE PHILIPS NV	Apparatus and method for processing electromyography signals related to respiratory activity
WO 2017039140	SAMSUNG ELECTRONICS CO LTD	User terminal device and method for recognizing user's location using sensor-based behavior recognition
WO 2017001981	KONINKLIJKE PHILIPS NV	Measurement re-take alert system
WO 2017035215	CARDIAC PACEMAKERS INC	Spatial configuration of a motion sensor in an implantable medical device
WO 2017015731	ISKRENOV TANYO ZEFIROV	Device for contactless measurement of the body temperature
WO 2017026218	KONICA MINOLTA INC	Monitored person monitoring system, monitored person monitoring device, and monitored person monitoring method
WO 2017026308	KONICA MINOLTA INC	Care assistance system
WO 2017010956	BIRBENLI IZZET FATIH	A monitoring system
WO 2017026614	PARK KUE TAE	Bio-checking wearable device and processing method therefor
WO 2017026850	GIL MEDICAL CENTER	Ui/ux output method customized for elderly through physical and recognition ability assessment
WO 2017023558	MICROSOFT TECHNOLOGY LICENSING LLC	Client computing device for health-related suggestions
WO 2016202613	GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN STIFTUNG ÖFFENTLICHEN RECHTS	Powered, multi-functional limb movement auxiliary device, particularly prosthesis and movement-assisting orthosis, with combined estimation regimes
WO 2016199182	TRIPLE W JAPAN K K	Urine amount estimation device and urine amount estimation method
WO 2017013278	BETANCOURT ALMACHI EVELYN JACQUELINE	Recognition and treatment system for cardiac resuscitation
WO 2017027356	KURE TECH SERVICES LLC	Healthcare resource availability and allocation systems and methods
WO 2016199502	KONICA MINOLTA INC	Central processing device and central processing method for system for monitoring persons to be monitored, and system for monitoring persons to be monitored
WO 2017025074	UNIVERSITÄT ROSTOCK	Measuring device for mechanical-electric measurement and monitoring of physiological activities in an electrically evoked stapedius muscle tissue (ekehr sensor)
WO 2017026220	KONICA MINOLTA INC	Terminal device for system for monitoring person to be monitored, terminal-side monitoring processing method for said terminal device, and system for monitoring person to be monitored
WO 2016208501	KONICA MINOLTA INC	Method for allocating frequencies of sensors used for system of monitoring people to be monitored and system of monitoring people to be monitored
WO 2016210453	MANDLAKAZI ZUKO	An alert device, system and method

WO 2017008310	SHENG YUWEI	Smart management system and management method for senile apartment
WO 2017018908	BERESHCHANSKIY LEONID MIKHAILOVICH	Method of signalling distress in the event of a threat to personal safety and device for realizing said method
WO 2016196977	CEROVENE INC	Systems and methods for alerting unauthorized access into a container
WO 2017008148	COGPRO COGNITIVE PROSTHETICS LTD	Systems and methods for assisting people with a physical, mental or emotional impairment
WO 2017018504	MINEBEA CO LTD	Biological condition determination device and biological condition determination method
WO 2017022877	LEE AE YOUN	Shoe having missing prevention function, missing prevention system, and control method therefor
WO 2016209992	PAGER INC	Patient matching system
WO 2017006313	MEDASENSE BIOMETRICS LTD	Apparatus, system and method for pain monitoring
WO 2017018506	MINEBEA CO LTD	Physical condition detecting device, physical condition detecting method and bed system
WO 2016204496	SAMSUNG ELECTRONICS CO LTD	System and method of providing information of peripheral device
WO 2017002219	FUJITSU LTD	Anomaly detection method, anomaly detection program, and information processing device
WO 2017011701	WHERIBLE GPS INC	Self-adjusting environmental behavioral system for gps/cellular locator
WO 2016190607	KOREA UNIV RES AND BUSINESS FOUND	Smart glasses system for providing surgery assisting image and method for providing surgery assisting image by using smart glasses
WO 2017008309	SHENG YUWEI	Integrated management system and management method for senile apartment
WO 2016207472	MENUMAT OY	Arrangement and method for the processing and monitoring food portions in a meal service chain
WO 2016207885	YISSUM RES DEV COMPANY OF THE HEBREW UNIV OF JERUSALEM LTD	Jugular venous assessment
WO 2017002103	ECHOCARE TECH LTD	System and method for implementing personal emergency response system based on uwb interferometer
WO 2017017681	RAHAMIM YISHAI	Wearable device for stimulating and monitoring activity in body organs

[..ver más](#)

OTRAS REFERENCIAS

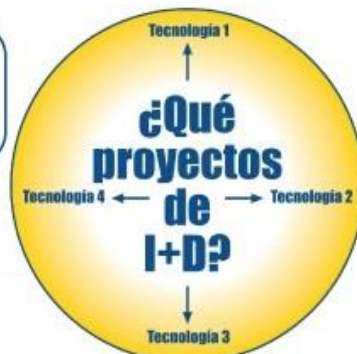
Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
----------------	-------------	-------------------

WO 2017039468	POLITECHNIKA RZESZOWSKA	Manipulator for the disabled
WO 2017031286	IVDIAGNOSTICS INC	Multimodal systems and methods for detecting and quantitating cell or other particle targets in a bloodstream of a living being
WO 2017032851	ARJOHUNTLEIGH AB	Status light assembly for patient handling equipment
WO 2016194679	SHOWA DENKO KK	Peripheral recognition assistance system and device
WO 2017014541	FUTURE ROBOT CO LTD	Bedside nursing robot
WO 2017020188	WU PENG	Indoor light adjustment system and adjustment method
WO 2017011639	MED-EL ELEKTROMEDIZINISC HE GERAETE GMBH	Electrode lead that avoids electrode array migration from the cochlea
WO 2016205865	THE SCOOTER FACTORY PTY LTD	A ready access off-road vehicle
WO 2017002236	mitsubishi ELECTRIC CORP	Elevator operation panel
WO 2016202347	HOUUMØLLER ELIASSEN ASBJØRN	Mouth-held extendable mouth stylus for activating functions on a touch screen or keys
WO 2017013896	KONICA MINOLTA INC	Radiographic imaging apparatus and radiographic imaging system
WO 2017003985	MED-EL ELEKTROMEDIZINISC HE GERAETE GMBH	Selective stimulation with cochlear implants
WO 2017015281	BRAIN CORP	Apparatus and methods for detection of objects using broadband signals
WO 2017003883	VISCONTI ANTONIO	System and method for optical detection of cognitive impairment
WO 2016187721	PONOMAREV VLADIMIR	Hearing aid device
WO 2017017616	GHINELLI EMILIANO	Remotely-controlled apparatus for ophthalmic surgery

iiPor sólo 500€ añade 150 especialistas* a su Equipo de I+D!!



Los ITPs** de la OEPM nos proporcionan información imprescindible para decidir la priorización óptima de proyectos de I+D en los que invertir.



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



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.



* La OEPM cuenta con más de 150 examinadores de patentes especializados en los diversos sectores tecnológicos y en la búsqueda de información científico-técnica.

** Los Informes Tecnológicos de Patentes o ITPs son estudios a la medida que incluyen una búsqueda de patentes y de literatura científica con un análisis en profundidad de los documentos más relevantes. Su coste es de 440 euros más IVA.