

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 2018103797 A1	BAUM WOLFGANG	Reading device
WO 2018099677 A1	WELLS ANDREW	Improvements relating to hearing assistance in vehicles
WO 2018106703 A1	QUINLAN THOMAS	System and method for automated literacy assessment
WO 2018106149 A2	BELOMOEV FEDOR VALENTINOVICH	Device and method for receiving and transmitting information using braille
WO 2018100332 A1	SZUCS PAUL	A decoder, encoder, computer program and method
WO 2018074910 A1	KIM JU YOON	Information output device and method, and boarding information guidance system and method
WO 2018080955 A1	SCHURZIG DANIEL	A fixation component for insertion tools for minimally invasive cochlear implants
WO 2018087771 A1	AMEDI AMIR	Spatialized verbalization of visual scenes
WO 2018052901 A1	BROWY ERIC	Sensory eyewear
WO 2018067605 A1	KLEIN ERIK	System and method for disabled user assistance
WO 2018064651 A1	SCHWARTZ JANA LYN	Method and apparatus for improving mixed reality situational awareness
WO 2018085620 A1	MEISTER DIRK	Bilateral synchronized channel selection for cochlear implants
WO 2018089329 A1	SINAY ASIF	Method and system for eye tracking using speckle patterns
WO 2018073713 A1	HEASMAN JOHN MICHAEL	Objective determination of acoustic prescriptions
WO 2018094285 A1	WATOLA DAVID	Improved systems for augmented reality visual aids and tools
WO 2018074005 A1	TANAKA KANJI	Hearing aid device
WO 2018046943 A1	SMITH STEVE	Network communication apparatus for controlling communications
WO 2018069900 A1	KOBAYASHI KEI	Audio-system and method for hearing-impaired
WO 2018093812 A1	SCHOEN KAITLYN	Cvi therapy device and method of use

[...ver más](#)

AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2018091037 A1	WEIDNER ROBERT	System and method for reducing forces acting on a spinal column
WO 2018105034 A1	WATANABE TADASHI	Transfer device
WO 2018073252 A1	LUGRIS ARMESTO URBANO	System to assist walking
WO 2018065476 A1	INGVAST JOHAN	Arm lifting support device
WO 2018090047 A1	TUNG WAYNE	Exoskeleton legs to reduce fatigue during repetitive and prolonged squatting
WO 2018089543 A1	HERR HUGH	Kinetic sensing, signal generation, feature extraction, and pattern recognition for control of autonomous wearable leg devices
WO 2018065886 A1	SARAKOGLU IOANNIS	Exoskeleton for lower-limbs
WO 2018065913 A1	ORTLIEB AMALRIC	Modular and minimally constraining lower limb exoskeleton for enhanced mobility and balance augmentation
WO 2018072485 A1	LIU RUOPENG	Waist rotating mechanism
WO 2018088983 A2	OZDEMIR ATAMAN	Disabled access system for vehicles
WO 2018101071 A1	FUKUSHI KENICHIRO	Walking state measurement device, walking state measurement system, walking state measurement method, and storage medium for storing walking state measurement program
WO 2018054694 A1	SCHRÖDER JULIA	Wheelchair
WO 2018060768 A1	SCHLAGHECK JULIAN	Modular roller kit comprising a walking aid knee roller which is configurable for at least two medical applications, and method for configuring the knee roller and use
WO 2018071851 A1	HIGGINS BRIAN L	Sensor based clear path robot guide
WO 2018076814 A1	LI WEI	Navigation method and system, and unmanned aerial vehicle
WO 2018053445 A1	NAJAFI BIJAN	Instrumented trail making task (itmt)
WO 2018049526 A1	ZAMANI NIMA	Shape memory alloy actuator with strain gauge sensor and position estimation and method for manufacturing same
WO 2018084816 A2	CEYLAN KÜRŞAT	Motion-liberating smart walking stick
WO 2018088695 A1	KIM HO CHUL	Wearable device for preventing fall and fall risk management system using same
WO 2018071660 A1	MOONEY LUKE	Unidirectional actuated exoskeleton device
WO 2018090109 A1	PINHEIRO PAULO GURGEL	Face analysis method for controlling devices
WO 2018051898 A1	SANKAI YOSHIYUKI	Device for producing knee joint correction tool, method for producing knee joint correction tool, device for assisting knee joint treatment, and method for assisting knee joint treatment
WO 2018092153 A1	LONHARI PARAG	Self-help navigation system for the visually impaired
WO 2018065967 A1	BELINKOV GADI	Devices, systems and methods for pressure detection in an exoskeleton system
WO 2018050191 A1	BAI SHAOPING	A human intention detection system for motion assistance
WO 2018047102 A1	FLOREANO DARIO	Jacket for embodied interaction with virtual or distal robotic device

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TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2018077844 A1	MATIC ALEKSANDAR	System and a method for enabling responsive cognitive behavioral therapy
WO 2018088894 A1	LEFEBER FRANS JAN	System for determining the position of persons on a floor
WO 2018077774 A1	DE HAAN GERARD	Device, system and method for obtaining a vital signal of a subject
WO 2018077734 A1	SERRA RENAN	Behavior monitoring system and method
WO 2018102874 A1	MCDONALD SARAH CATHERINE	Apparatus for monitoring pregnancy or labour
WO 2018107143 A1	KUMTA PRASHANT	Multi-array impedimetric biosensors for the detection of concussion and traumatic brain injuries
WO 2018059975 A1	SCHARDEY ANNE	System for the early detection of postoperative bleeding
WO 2018107198 A1	STIPANOVIC SUZANA	Personal distress beacon
WO 2018102402 A1	BROWN EMERY	Systems and methods for analyzing electrophysiological data from patients undergoing medical treatments
WO 2018077199 A1	NIU HUI	Health monitoring device and method
WO 2018063088 A1	HO PETER	A system and method for locating at least one cardiac incident at a facility
WO 2018080681 A1	VENKATRAMAN SAI PRADEEP	Systems and methods to support distress signaling from a wireless device
WO 2018060467 A1	DE VRIES JAN JOHANNES GERARDUS	Determining a measure of the physical fitness of a subject
WO 2018080887 A1	ANNONI ELIZABETH M	System for pain management using baroreflex sensitivity
WO 2018088283 A1	ISHIDA KYOKO	Monitoring system, monitoring sensor device, monitoring method, and program
WO 2018098229 A1	JATANA KRIS	Apparatus and method for metal-type differentiation
WO 2018057886 A1	AHRENS THOMAS STEVEN	Systems and methods for inducing behavior change
WO 2018080339 A2	BERESHCHANSKIY LEONID MIKHAILOVICH	System for signalling distress in the event of a threat to personal safety (variants)
WO 2018089210 A1	COURTNEY LOGAN	System and method of using multi-frame image features for object detection
WO 2018071715 A1	LEE SUNG	Systems and methods for patient fall detection
WO 2018050780 A1	ALLIONE PASCAL	Method for determining an updated visual correction need for designing a new vision correcting device
WO 2018067316 A2	POTYRAILO RADISLAV	Systems and methods for environment sensing
WO 2018057357 A1	POTYRAILO RADISLAV ALEXANDROVICH	Systems and methods for environment sensing
WO 2018055618 A1	OZ DAN	Screening apparatus and method
WO 2018084978 A1	SCOTT ERIK R	Thermal management for recharge of implantable medical devices
WO 2018098221 A1	VERMA AJAY	Medical diagnostic and treatment systems and their methods of use
WO 2018053377 A1	KATZ ADAM	Eye examination kiosk, system and method for remote eye examination
WO 2018052988 A1	PAPATHOMAS THOMAS V	System and method for diagnosing and assessing therapeutic efficacy of mental disorders
WO 2018071845 A1	KRISHNAMURTI TAMAR PRIYA	A structured medical data classification system for monitoring and remediating treatment risks
WO 2018047795 A1	NITTA KAZUMA	Monitoring system, monitoring device, monitoring method, and monitoring program
WO 2018051231 A1	AZHARI AMIN	Smart orthosis with electrotherapy, thermotherapy, and vibration capabilities for in-home physiotherapy
WO 2018051648 A1	TANAKA SACHIYA	Communication system, transmitting device, receiving device, transmitting device control method, receiving device control method, and program

[..ver más](#)

OTRAS REFERENCIAS

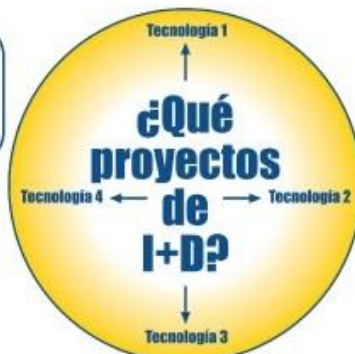
Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
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WO 2018073390 A1	TAMILIN ANDREI	Computing analytics based on indoor location data streams
WO 2018082839 A1	HERRMANN CHRISTOPH	Device for transcranial brain stimulation
WO 2018101776 A1	LEE WOON-SIK	Apparatus and method for controlling light
WO 2018105862 A1	KIM JEONG HUN	Swimming aid
WO 2018061985 A1	KITAGAWA DAISUKE	Electronic stamp, information provision system, and method for producing electronic stamp
WO 2018065798 A1	BORAS DARIO	System for prevention of unauthorized parking and real time parking place reservation
WO 2018056800 A1	LEE HOON POOI	Authorize parking system
WO 2018057565 A1	BRIDGES JEREMY SCOTT	System and method for reliably dispensing pre-packaged pharmaceuticals
WO 2018045711 A1	JIA XIN	Method and device for determining food item and mobile terminal
WO 2018049084 A1	PANETTA KAREN	Methods and systems for human imperceptible computerized color transfer
WO 2018047247 A1	CHIN TAKAAKI	Excretion assistance device
WO 2018088989 A1	SILVA MAGNOVALDO	Suitcase system
WO 2018055462 A1	DIALLO ATTAOULAYE	Systems for mimicking arm and hand movement
WO 2018053115 A1	CRUZ ANDRES B JR	Echolocation system and method for locating a catheter tip
WO 2018053043 A1	KRAVIS SCOTT DAVID	Multiple-dimension imaging sensor with operation based on magnetic field detection

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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.



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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