

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: 073-15-018-7

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

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2015077846	INST OF INFORMATION AND COMM TECHNOLOGIES	Braille display
WO 2015037932	SAMSUNG ELECTRONICS CO LTD	Display apparatus and method for performing function of the same
WO 2015040355	KENWRIGHT MARTIN	Apparatus and method for location identification
WO 2015046034	JVC KENWOOD CORP	Voice volume notification device, data transmitter, data receiver, and voice volume notification system
WO 2015072823	UNIVERSITÉ MOHAMMED V DE RABAT	Method for the accessibility of real-time digital images to the visually impaired
WO 2015043642	LONGSAND LTD	Device notifications
WO 2015050517	KARADAG OGUZ	Mathematics and geometry device for visually impaired
WO 2015076094	NEC SOLUTION INNOVATORS LTD	Support person selection device, method, and computer-readable recording medium
WO 2015080432	CLUSOFT CO LTD	Apparatus and method for inputting english characters
WO 2015072336	NIKON ESSILOR CO LTD	Functional dyed spectacle lens
WO 2015047205	EHOSTAR UKRAINE L L C	Systems, devices and methods for font size selection
WO 2015050426	ALCANTARA TALAVERA MAGNO	Remote control controlled by the mouth
WO 2015054789	HAGEDORN DOUGLAS	Systems and methods for non-visual spatial interfacing with a computer
WO 2015057449	REDBOX AUTOMATED RETAIL LLC	Wireless communication for consumer-operated kiosks
WO 2015076336	KYOCERA CORP	Information transmission device and information transmission method
WO 2015053526	CLUSOFT CO LTD	Numeral input device and method therefor
WO 2015059013	TP VISION HOLDING BV	Consumer device and method for adapting the duration of a temporary control status related to the display of a user interface element

[...ver más](#)

AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2015029257	SCHOOL JUDICIAL PERSON IKUTOKU GAKUEN	Leg-fitting structure of joint movement assistance device
WO 2015076763	& x ;NAN HAKAN	Transport chair for the disabled
WO 2015078981	ASSISTIVE ROBOTIC TECHNOLOGIES	Motor-driven articulated module, articulation including several modules, and exoskeleton including several articulations
WO 2015076446	NAT REHABILITATION CT	Robotic arm for severely disabled people
WO 2015084177	UNIV DELFT TECH	Upper limb exoskeleton
WO 2015040550	BRUZZI GIANNI	A weightlessness simulator
WO 2015048688	BARRETT TECHNOLOGY INC	Multi-active-axis, non-exoskeletal rehabilitation device
WO 2015067225	MORAVSKY VYZKUM S R O	Robotic mobile modifiable bed
WO 2015080596	REX BIONICS LTD	Mobility aid
WO 2015037453	MURATA MANUFACTURING CO	Handcart
WO 2015061453	MSSSACHUSETTS INST OF TECHNOLOGY	Peripheral neural interface via nerve regeneration to distal tissues
WO 2015076447	NAT REHABILITATION CT	Robotic gadget for severely disabled people
WO 2015049910	SHARP KK	Walking assistance device
WO 2015053700	BESTIC AB	Eating aid robot and method for controlling the same
WO 2015056460	MUSCLE CORP	Robot
WO 2015058249	UNIV SYDNEY TECH	Robotic exoskeleton apparatus
WO 2015059612	ECOLE POLYTECH	Neuroprosthetic system restoring upper limb function through coordinated electrical stimulation

[...ver más](#)

TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2015048639	GEN ELECTRIC	System and method for determining a hydration level of a tissue region
WO 2015049150	KONINKL PHILIPS NV	Improved signal selection for obtaining a remote photoplethysmographic waveform
WO 2015078710	KONINKL PHILIPS NV	Patient monitor and method for monitoring a patient
WO 2015055469	KONINKL PHILIPS NV	A unique methodology combining user roles and context aware algorithms for presenting clinical information, audio, video and communication controls to safely capture caregiver attention, reduce information overload, and optimize workflow and decision support
WO 2015083712	DAINIPPON PRINTING CO LTD	Monitoring system
WO 2015066203	HARUTA PAU-SAN	Computing technologies for diagnosis and therapy of language-related disorders
WO 2015076752	AGENCY SCIENCE TECH & RES	Hypermotor activity detection system and method therefrom
WO 2015057471	UNIV INDIANA RES & TECH CORP	System for diagnostic and treatment of physical and cognitive capabilities
WO 2015077829	RANASINGHE DAMITH CHINTHANA	System for monitoring subject movement
WO 2015044851	MINDMAZE SA	Physiological parameter measurement and feedback system
WO 2015077632	AVAILS MEDICAL INC	Electrical biosensor for detecting a substance in a bodily fluid, and method and system for same
WO 2015066297	WORCESTER POLYTECH INST	System and method for assessing wound
WO 2015066445	GEN HOSPITAL CORP	System for measuring and monitoring blood pressure
WO 2015072695	LEE SEUNG HO	Personal protection image monitoring apparatus and personal protection image system using smart device
WO 2015064547	ISHIBASHI AKIRA	System and method using information of involuntary body movement during sleep, and sleeping state detection system and method
WO 2015061459	LGCH INC	Detecting seizures including loose electrode monitoring
WO 2015069778	GEN HOSPITAL CORP	System and method for determining neural states from physiological measurements

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
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WO 2015036743	CONTOUR SHOWERS LTD	A washroom drainage tray
WO 2015036935	AMRITA VISHWA VIDYAPEETHAM	Portable secure health record device and system for patient-provider communication
WO 2015071629	TUBE LINES LTD	A comb plate for an escalator landing platform
WO 2015041570	FED STATE BUDGETARY INSTITUTION RES CT OF NEUROLOGY RUSSIAN ACADEMY OF MEDICAL SCIENCES FSBI RCN RAM	System intended for restoration of speech in aphasia
WO 2015052591	COCHLEAR LTD	Devices for enhancing transmissions of stimuli in auditory prostheses
WO 2015055262	SWISS REINSURANCE CO LTD	Patient data triggered pooling-system for risk sharing of cronic critical illness risks of cohorts of elderly persons and corresponding method thereof
WO 2015067641	GN RESOUND AS	A hearing aid with probabilistic hearing loss compensation
WO 2015085009	IMPLICITCARE LLC	360° imaging system
WO 2015077773	MASSACHUSETTS EYE & EAR INFIRM	Low power cochlear implants
WO 2015078689	FRAUNHOFER GES ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E V	Hearing assistance device with fundamental frequency modification
WO 2015057794	MED EL ELEKTROMED GERAETE GMBH	Deployable and multi-sectional hearing implant electrode
WO 2015066683	MICHELS LARRY DEAN	Transfer seat with locking mechanism
WO 2015072676	YOO HEE JANG	Oral electric toothbrush
WO 2015055655	NARRATIVE AB	Method of operating a wearable lifelogging device

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