

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 patente (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

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

WO2011030814 A1	UNIV KAGOSHIMA	Image processing apparatus has hue conversion unit that converts value of primary color difference signal into value of secondary color difference signal received from luminance signal/color difference signal conversion unit
WO2011026191 A1	CASLICK R CASLICK R D	System for assisting sight impaired individual with Braille system to attain information, has pattern of elements that emits electromagnetic radiation whose aspect is sensed by individual to attain information
WO2011027047 A1	DELTA PROCESS SA	Hearing and/or oral disability person enabling method, involves connecting person to human interface and enabling information communication between person and interlocutor when interlocutor is connected to platform
WO2011006681 A1	WIDEX AS	Hearing aid e.g. e.g. behind-the-ear hearing aid, has electrodes detecting electrical signals, and modifier modifying operation of hearing aid in response to detected signals, where electrodes are connected to differential amplifier
WO2011000113 A1	HARMONYA TECHNOLOGIES	Sound and voice detection system for e.g. hearing impaired person, has output device receiving signal indicating that given sound produced in environment is captured from controller, and producing notification signal
WO2010144201 A2	APPLE INC FLEIZACH C B SEYMOUR E T	Method for providing accessibility of e.g. notebook computer to visually-impaired person, involves navigating in user interface elements by detecting user interface navigation gesture, after changing navigation unit type
WO2010146734 A1	PANASONIC CORP	Audio image reproduction system has signal processing unit that adjusts each delay time of audio signals and image signal so that delay adjustment time according to delay time is added to audio and image
WO2010142891 A1	ELECTRICITE DE FRANCE SA	Automated method for assisting visually-challenged or blind person to aim shooting target in sport competitions, involves transmitting signal received by person for guiding person to orient shooting weapon towards target

[...ver más](#)

AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
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WO2011027750 A1	UNIV KOCHI TECHNOLOGY	Walking training machine installed in e.g. hospital, has omni-directional moving element that is attached to supporting portion provided to support seat portion
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[...ver más](#)

TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2011027263 A1	KONINK PHILIPS ELECTRONICS NV	Method for automatically monitoring consciousness of patient in hospital, involves analyzing monitored behavior of patient and triggering alarm when the detected behavior does not correspond to expected behavior
WO2011012914 A1	ANGYAL A	Wireless device, and data transmitting and processing system for monitoring and continuous controlling vital functions has wireless communication device that continuously compares data measured with set reference data
WO2011008833 A1	MICROSCOPES INT LLC	Home healthcare management method for enabling patient to self diagnose a medical illness involves choosing diagnostic test based on cause of illness, and running diagnostic test using home healthcare management system
WO2010148444 A1	MEDSTER PTY LTD	Healthcare system for assisting e.g. person, to provide informed consent to undergo colonoscopy in health informatics area, has controller selectively updating records to allow patient or party through interfaces to access preset records
WO2010141251 A2	UNIV CREIGHTON	Communication network for sourcing and managing healthcare related resources in different environment settings has coordinator interface which is provided so that coordinators may access the communication inter-hub

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2011031351 A1	OPTISCAN BIOMEDICAL CORP SRS LABS INC	System for analyzing and treating hyperglycemia patients, determines recommended treatment dosage for patient based on estimated treatment sensitivity for patient which is calculated by accessing analyte and dosage history databases
WO2011026169 A1	ATOMO DIAGNOSTICS PTY LTD	Sampling device for collecting blood from patient to monitor blood sugar levels, has collecting element i.e. flocked swab, taking up bodily fluid, where collecting element is engaged with membrane penetration device
WO2011019389 A1	RAMSEY J T	Method for allowing access to medical and personal information of incapacitated patient displayed on portable device involves affixing placard to accessible location in patients dwelling, while on emergency finding
WO2011013048 A1	KONINK PHILIPS ELECTRONICS NV PHILIPS INTELLECTUAL PROPERTY GMBH	Method for detecting heartbeat of patient in general ward of hospital, involves constituting feature vectors from parameters of ballistocardiograph signal, for detecting heart beats
WO2011011462 A1	OPTISCAN BIOMEDICAL CORP	System for monitoring analyte of sample e.g. blood of patient in e.g. hospital, has patient connector that connects fluidic system with source of bodily fluid in patient to provide continuous flow path
WO2011010233 A2	KONINK PHILIPS ELECTRONICS NV	Room monitoring system installed in e.g. nursing home, has monitoring station that receives clean or dirty status information from in room units, and determines rooms which are clean, and are need to be cleaned for admitting patient
WO2011010244 A1	KONINK PHILIPS ELECTRONICS NV PHILIPS INTELLECTUAL PROPERTY GMBH	Method for operating monitoring system for monitoring physiological data of patient in general ward, involves initiating measurement of patient physiological data if motion activity of patient is non-zero and below selected threshold
WO2011005632 A1	COHN S C	Method for providing medical history of patient using computing system, involves generating navigable medical history associated with patient based on reference information, where history is organized by medical discipline categories
WO2010142447 A1	HOFFMANN LA ROCHE&CO AG F ROCHE DIAGNOSTICS GMBH ROCHE DIAGNOSTICS OPERATIONS INC	Portable handheld medical diagnostic device i.e. self-testing blood glucose meter, includes electronic skin arranged in front housing, and comprising liquid crystal material, where electronic skin is provided to display color