

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

WO2010029683 A1	PANASONIC CORP	Key input apparatus for remote control apparatus, selects a key whose selection corresponds to illumination of light emission group, based on output of signal for sequentially illuminating light emission units in selected group.
WO2010029980 A1	PIONEER CORP	Handheld Braille converter for visually impaired person, has charge coupled device (CCD) camera that captures image of periphery region to convert recognized characters into Braille points displayed at Braille indication portion
WO2010022882 A2	UNIV ZUERICH PROREKTORAT MNW	Adjustable body sensor of virtual reality system of computer aided machine for physically disabled person has node whose location on body of user upon attachment is adjustable
WO2009150271 A3	MATEO SIDRON P L	Device for evaluating access of communication terminal by physically impaired person, has several pushbuttons having differently configured actuating units that are activated by pressing pushbutton respectively
WO2010016065 A1	MOONSUN IO LTD	Entering method of character into computing unit e.g. cellular phone, remote control, electric book involves automatically selecting character according to identified combination of shape and relative position of captured stroke
WO2009156499 A1	COMMISSARIAT ENERGIE ATOMIQUE MOVEA SA	Pointing device i.e. pointer, for e.g. remote control application, has sensor in which data fusion algorithm is applied for satisfying measuring vectors comprising measurement of sensors along orthogonal axes based on transport characteristic input

[...ver más](#)

AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010011045 A2	PARK S PARK S H	Object's video information converting equipment for visually handicapped person, has video camera part provided with left and right cameras that acquire left and right stereo video information of objects
WO2010002284 A2	ACAPO ASSOC DOS CEGOS E AMBLIOPE PORTUGAL METRO DO PORTO UNIV DO PORTO	System for orientation, navigation and information, particularly used for blind person or partially sighted person, has acoustic system and system of cells or networks of radio communication
WO2009150417 A4	IMPERIAL INNOVATIONS LTD	Motor skills measurement system for use on patients during rehabilitation after a stroke or other illness or on healthy subjects during athletic training, has sensor units with mounting units to removably mount sensor units on support unit
WO2009156145 A1	FRAUNHOFER GES FOERDERUNG ANGEWANDTEN	Hearing-aid device for use by e.g. deaf person for perception of noises in surroundings, has blending unit determining direction based on output signals of sensors and controlling actuator depending on direction to display direction to user axes

[...ver más](#)

TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010015968 A1	KONINK PHILIPS ELECTRONICS NV PHILIPS INTELLECTUAL PROPERTY GMBH	System for monitoring stroke patient in rehabilitation clinic area, has vibration device worn on each patient's wrist, for providing indication to patient when patient is detected to be in proximity of predefined position
WO2010006205 A1	INTOUCH TECHNOLOGIES INC JORDAN C S MANGASER A PINTER M ROSENTHAL J SANCHEZ D S WANG Y	Remote controlled robot system for use in e.g. hospital, has remote control station transmitting commands to control mobile robot, and alignment system aligning battery plug module with battery charging module
WO2010005536 A3	UNIV JOHNS HOPKINS	Non-invasive method for assessing cardiac filling pressure of patient or subject involves assessing determined pulse amplitude ratio so as to determine filling pressure condition for heart of patient
WO2009151411 A1	KANEVSKYI V KAPUSTIN V SOLODOVNYKOV V ROBERTS S	Method for detecting critical position in orientation and indicating change of position of human body, involves analyzing output signals of accelerometers over specific time interval, based on which falling of human body is detected

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010031558 A1	TYCO HEALTHCARE GROUP LP INTERCOMPONENTWARE AG	Computer implemented medical prescription plan creation and/or optimization method for patient in nursing home, involves issuing blisterability indicator with respect to primary identification and value of blisterability parameter
WO2010029423 A2	ALBERTINI D	Patient's e.g. newborn, body mass presence determining and signaling device for use in e.g. hospital room, has transmission device receiving and transmitting warning signal to alarm device emitting alarm signal
WO2010029521 A2	BEN CHORIN M LEVIN G LEVIN O WEISS N	Single-enclosure, hand-held mobile apparatus for automatic detection of blood vessel or vein location and cannulation has processing unit to process signals from light detection unit and locate blood vessels
WO2010028320 A1	CLARK R L EGRESSION LLC JOHNSON M D	Hand washing reminder method for ensuring hand hygiene compliance involves alerting user or personnel about the hand wash state of user's hand
WO2010028802 A1	HOFFMANN LA ROCHE & CO AG F ROCHE DIAGNOSTICS GMBH	Medical diagnostic and therapeutic device e.g. lancet device, reevaluation method for treating diabetic patient in home-monitoring
WO2010013264 A1	PIGNOLO SPA TROMBETTA P	Diode laser device for non-invasive measurement of glycaemia in e.g. newborn, has analogic stage that forwards values to processor that digitizes and normalizes values, extracts high number of values, and obtains immediate glycaemia value
WO2010010348 A1	LIFELINES LTD	Patient's electroencephalogram output monitoring system for use in e.g. hospital, has personal computer processing synchronization data to subsequently synchronize playback of electroencephalogram output with auxiliary
WO2009149308 A3	SEVENTH SENSE BIOSYSTEMS INC	Single step diagnostic device for determination of the presence and/or amount of an analyte comprises a reactive agent that reacts with or interacts with an analyte to be detected at the site of administration, and a signaling agent system of cells or networks of radio communication
WO2010003175 A1	HEARD SYSTEMS PTY LTD PINTER M	Electrode for sensing e.g. electrocardiogram signal, has conductive element mounted on carrier, and shielding plate carried by carrier and arranged in spaced relationship relative to conductive element
WO2010006146 A2	BAXTER HEALTHCARE SA BAXTER INT INC WANG Y	Peritoneal dialysis system for patient with end-stage kidney disease, in room of patient, has server computer using consumed amounts of dialysates to determine respective delivery amounts of dialysates for specific delivery period
WO2010006147 A1	BAXTER HEALTHCARE SA BAXTER INT INC WANG Y	Peritoneal equilibration test and dialysis system has logic implementer that is configured to cause pump to pump fresh dialysate and drain spent dialysate, and to determine amount of ultrafiltration (UF) removed from patient
WO2010006131 A4	BAXTER HEALTHCARE SA BAXTER INT INC	Peritoneal dialysis system for patient suffering from end-stage kidney disease, has logic implementer generating multiple therapy regimens based on transport characteristic input of patient and solution input
WO2009153093 A1	BOSCH GMBH ROBERT	Device for determining and/or monitoring moisture content of skin of human or animal, for detecting dehydration in old person or person requiring care, has sensor that contacts skin of human or animal in fastened condition
WO2009155143 A3	INTEL CORP BEHAN J BURNS A DISHONGH T ODONOVAN K ROBERTS S	User i.e. elderly people, force application monitoring method for handrail on e.g. stairway, involves determining characteristics of use of handrail, and monitoring area of contact between user's hand and handrail
WO2009151412 A1	KANEVSKYI V KAPUSTIN V SOLODOVNYKOV V ROBERTS S	Physical state monitoring method for patient e.g. solitary-aged people in e.g. isolated room, of hospital, involves determining fall of human body based on amplitude of output signals of accelerometer between two time intervals