

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

WO2010137650 A1	SHARP KK	Voice reproduction device for elderly people, changes frequency characteristic in which voice band is emphasized to frequency characteristic in which gain characteristics gradually becomes flat with increase in set volume
WO2010130632 A2	ALCATEL LUCENT ALCATEL LUCENT SAS	Glove for use by e.g. blind person to read information by touching touch screen of mobile apparatus, has microparticles contained within space between internal and external walls, and displaced within liquid under action of electrical field
WO2010123455 A1	NANYANG POLYTECHNIC	System for self-administering liquid medicine by visually-impaired person, includes projections or notches spaced apart along tactile sealing strip of syringe plunger according to major graduation scale on syringe
WO2010113286 A1	NEC DISPLAY SOLUTIONS LTD	Display apparatus e.g. road sign display has two video processors to perform different video processing on video signal and integration unit to integrate display data generated by video processors so as to be displayed on one screen
WO2010112841 A1	TOUCHTYPE LTD	System for inputting text to touch-screen electronic device e.g. personal digital assistant, has text prediction engine providing text predictions to user interface for display and user selection functions
WO2010105012 A1	IMMERSION CORP	Haptic effect generation system for texture engine of messaging device e.g. mobile phone, has actuator in communication with processor, to receive haptic signal comprising haptic values and haptic intensities to output haptic effect
WO2010100610 A1	INFORMAMUSE SRL	Virtual multimode navigation system for use in various applications, selects the concept to be supplied, according to interpretation of user interaction from concepts of set having high priority level, excluded from list
WO2010099833 A1	SONY ERICSSON MOBILE COMMUNICATIONS AB	Portable communication device e.g. mobile phone for use by visually impaired person, has controller that controls actuator to move case in relation to other portion e.g. display in two or three dimensions by controlling shape of actuator

[...ver más](#)

AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010133553 A1	COMMISSARIAT ENERGIE ATOMIQUE	Inertial navigation device for navigating visually impaired person in e.g. building, has connection unit formed of support and separating inertial unit from object when object is supported against surface so that unit is fixed with surface
WO2010121353 A1	UNIV MONTREAL	Portable device for quantitative measurement of spasticity in an articulated limb has control module which receives user input for spasticity measurements and delivers output spasticity results after receiving pre-processed data

[...ver más](#)

TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010132850 A1	KAI MEDICAL INC	Method of sensing motion using motion sensor in various applications, involves processing frames with time sampled quadrature values of digitized motion signal to distinguish information corresponding to cardiopulmonary movement of subject
WO2010117608 A1	MEDTRONIC INC	Channel assessment and selection performing method for wireless communication among e.g. wireless or leadless sensors in medical system at e.g. hospital, involves selecting channel to perform transmission among devices based on values
WO2010113714 A1	KURITA RYUICHI	Communication service system for providing health care service in e.g. public elder person nursing institution center, has allocation unit that allocates desired service based on key
WO2010102069 A2	MASIMO CORP	Monitoring device used for clinical system has processor that takes first predetermined action associated with identity of clinician in response to detection of clinician token
WO2010101929 A2	DIVERSEY INC	Hygiene management and monitoring system i.e. three-dimensional real time locating system hygiene management and monitoring system, for e.g. room, by visually disabled persons, has monitoring module determining cleanliness level of area
WO2010105379 A1	BUEHLER S DUSS J FAVRE P SYNAPSE SARL	Fall detection device for e.g. isolated worker, has atmospheric pressure sensors arranged coaxially from head to foot so as to eliminate effect of gravity on difference of atmospheric pressure generated in case of fall of person
WO2010105053 A2	CORVENTIS INC	Monitoring device for physiological status of persons in urgent situations has device wireless communication circuitry or gateway wireless communication circuitry to transmit physiological data with secure wireless communication protocol
WO2010105203 A2	CORVENTIS INC	Device to monitor elder person, has circuit coupled to sensors and support, to transmit data from elder person and to support circuit with skin,' respectively when support is adhered to skin

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010065253 A3	ANDREW LLC	Forged satellite measurements detecting method for global navigation satellite system, involves comparing determined navigation data message with received navigation data message portion to determine whether any of measurements is forged
WO2010056534 A3	ULTRA SNIFF LLC XHALE INC	System for locating personnel e.g. medical personal in hospital, detects difference in transmission times between radio frequency signal and ultrasonic signal and indicates when difference is below preset level
WO2010052708 A1	UNIV CARMEL-HAIFA ECONOMIC CORP LTD	Medical conditions e.g. personality trait, diagnosing method for patient, involves recording handwriting tasks of person, and analyzing values of recorded indicators to determine whether person is diagnosed with conditions
WO2010039063 A1	ST JUDE MEDICAL AB	Heart failure detector for detecting incipient heart failure of patient, used with implantable medical devices has determining unit to determine heart failure status based on impedance parameter
WO2010033901 A1	SENSORS MEDICINE & SCI INC	Sensing apparatus for measuring presence and concentration of analyte e.g. glucose, has mating element to mate with device in contact with medium containing target analyte so that sensor contacts with analyte containing medium