

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

WO2010101445 A2	LEE J Y	Nerves display i.e. scan method nerves display, for blind person, has guide plates fixed to fixed bar, depression part for fixing moving pin on surface of protrusion part, and multiple springs installed between pin and guide plates
WO2010087171 A1	PANASONIC CORP	Hearing aid has signal processing section to expand detected consonant area in time at which adjustment section is adjusted, and compress detected vowel area and sound lack area
WO2010087301 A1	OHKI J	Input device e.g. sign language keyboard for sign language search device for hearing-impaired person, divided into upper body-input area, finger input area and wrist state input area
WO2010089262 A1	CENT NAT RECH SCI	Communication transcription device for e.g. transcription of languages in museum, has organization unit to organize elementary segments, and transcription unit to transcribe elementary segments using lexeme images
WO2010072965 A1	VOXLER SAS	Action e.g. shooting action, controlling method for video game application, involves controlling specific action based on continuous parameter such as duration, intensity, pitch or timbre, of video signal
WO2010070566 A2	NOKIA CORP	Hand-held portable electronic apparatus for visually impaired persons, has processor which distributes graphical user interface (GUI) over both left and right side touch display faces

[...ver más](#)

AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
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WO2010098358 A1	UNIV GIFU	Upper-limbs movement assistance equipment for, e.g. elderly people, performs drive control of multijoint arm based on detection signals inputted from detection units which detect movement and rotation of operation portion
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[...ver más](#)

TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010099764 A2	COMINFO AS MEDETRON SRO	Preterm birth risk recognizing method, involves continuously monitoring uterine activity of patient based on movement activity of patient, and simultaneously measuring and storing data obtained from monitoring process in sensor module
WO2010098022 A1	TERUMO CORP	System for monitoring state of e.g. infants in hospital, has antenna that is arranged on wrapping portion to transmit data corresponding to body temperature on generation of induced electromotive wave in infant body at preset intervals
WO2010097735 A1	KONINK PHILIPS ELECTRONICS NV	Device for monitoring motion sequences of person for various applications, has sensor connected to flexible tube, sensor selected from group comprising motion sensors and physiological parameter sensors
WO2010090945 A1	MILLER W	Non-invasive heart activity monitor for use in private place i.e. home, or public place, has controller reporting pulse condition for entity when output signal does not reach appropriate tested high or low threshold within period of time
WO2010087562 A1	UNIV KYUNGHEE IND ACADEMIC COOP FOUND TERUMO CORP	Method for operating server providing feeling information of e.g. child, involves determining user of user terminal as authorized user, and transmitting stored user information to blog/messenger server
WO2010083050 A2	TORRES O TORRESS O	Internet-based home-health-care rating system for evaluation and feedback collection and rating of e.g. hospital through Internet, has memory storage device maintaining service provider database and accessing through Internet
WO2010077851 A3	CORVENTIS INC	Patient monitoring system for use in e.g. mental hospital ward, has local processor displaying patient data to user at monitoring station, and gateways receiving and transmitting patient data to local processor
WO2010069735 A1	SIEMENS AG	Method for recording and evaluating e.g. nitric oxide-value in breathable air, of patient in home, involves providing device with updated action criteria i.e. threshold values, determined with respect to evaluation of measurement value
WO2010067297 A1	KONINK PHILIPS ELECTRONICS NV PHILIPS INTELLECTUAL PROPERTY GMBH	Ballistocardiogram signal analyzing method for detecting heart beats of human for heart failure management application, involves identifying peaks in signal, where each peak corresponds to heartbeat

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010094435 A1	HOFFMANN LA ROCHE&CO AG F ROCHE DIAGNOSTICS GMBH	Lancet magazine for receiving blood of patient in home-monitoring region for diagnosis of diabetes, has extension unit extending housing in direction of distal end of housing for preventing escape of lancets from magazine
WO2010088272 A1	A MAJOR DIFFERENCE INC	Control unit for ionic foot bath system that is used in e.g. home to reduce tissue acids in feet of person, has storage device generating key based on user-selectable feature that is operated on control unit of ionic foot bath system
WO2010082055 A1	UNIV CARDIFF & VALE LOCAL HEALTH BOARD WILLIAMS P E	Food e.g. walnut, allergy diagnosing method for patient e.g. adults, to treat anaphylaxis, involves input highest quantitative result of questions and tests into neural network, and producing output indicative of food allergy
WO2010082057 A9	UNIV CARDIFF & VALE LOCAL HEALTH BOARD WILLIAMS P E	Diagnosing urticaria/angioedema, involves identifying physical condition of patient with respect to disease, or drugs ingested by patient, performing tests e.g. radioallergosorbent test and producing output using neural network