

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

<a href="#">WO2010067203</a> A2	PAPASTAVROU S STYLIANOU G	Method of identifying value of bank note using mobile cellular telephone with built-in digital camera, involves computing average number of transitions between white and black, for vertical lines of numeric value printed on bank note
<a href="#">WO2010065224</a> A2	MICROSOFT CORP	Data values e.g. alphanumeric values, communicating system for visually-impaired person, has output component outputting range of non-image indicators corresponding to data values of organized data set to visually-impaired person
<a href="#">WO2010056215</a> A1	FINTEK FINANSAL TEKNOLOJI HIZMETLERI ANONIM SIRKETI	Video teller machine (VTM) for enabling banking transactions such as paying debt/bill, has microphone to provide audio communication between bank transaction officer and client identified by palm reader, for guiding the client

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## AYUDA A LA MOVILIDAD

### Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

<a href="#">WO2010063904</a> <a href="#">A1</a>	ANGEO TECHNOLOGY SARL	Navigation assisting device for e.g. blind person in military application, has weighing unit for isolating assistance information from relative weight between probable hypotheses and potential hypotheses
<a href="#">WO2010044087</a> <a href="#">A3</a>	ARGO MEDICAL TECHNOLOGIES LTD GOFFER A ZILBERSTEIN C	Exoskeleton bracing system for assisting disable person to e.g. climb/descend staircase, has controller actuating motorized joints based on identified stance to perform action related to mode of locomotion selected from predefined actions

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## TELEASISTENCIA SANITARIA

### Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

<a href="#">WO201005205</a> A1	KORTESALMI R	Method for monitoring motion of patient in homecare, involves conducting alarm of selected alarm type as result of event and according to alarm protocol with selected alarm type so as to notify occurrence of event
<a href="#">WO2010052613</a> A1	KONINK PHILIPS ELECTRONICS NV	Interactive communication system installed in e.g. hospital, has hierarchal access control unit that arbitrates entertainment and video communication based on defined access hierarchy
<a href="#">WO2010053362</a> A1	NEDERLANDSE ORG TOEGEPAST NATUURWETENSCH	Person i.e. elderly person, presence tracking system for room of building e.g. home, has processor for generating presence state vector for indicating presence probability value of person in room
<a href="#">WO2010050195</a> A1	NEC CORP	System for processing data relating monitoring service of e.g. elderly people, generates dummy activity data which are not contradictory to current user activity data, if current user activity data is determined as confidential
<a href="#">WO2010044013</a> A1	KONINK PHILIPS ELECTRONICS NV	Fall detection system for being attached at e.g. wrist of elderly person for detecting fall of user in e.g. elderly care home, has processor comparing length of period of inactivity of user with threshold to determine severity of fall
<a href="#">WO2010043870</a> A1	ADVANCED IT SYSTEMS LTD	Monitoring method for status of subject e.g. disabled person, worker in dangerous environment involves updating stored subject status to alert condition after receiving response from second communication unit at first communication unit
<a href="#">WO2010045455</a> A1	UNIV LELAND STANFORD JUNIOR ETEMADI M GIOVANGRANDI L B INAN O T KOVACS G T WIARD R M	Ballistocardiogram data providing system for determining cardiac health of patient, has processor circuit processing captured signal based on output of sensor and generating output signal indicative of condition of user's heart
<a href="#">WO2010038918</a> A1	BIONET CO LTD WIARD R M	Portable multimodal diagnosis system for measuring biosignal of patient and remotely transmitting examination data has streaming-server for transmitting data transmitted from gateway to remote-viewer in real time
<a href="#">WO2010035187</a> A1	KONINK PHILIPS ELECTRONICS NV PHILIPS INTELLECTUAL PROPERTY GMBH	Sensor unit attached to body of user for estimating power used during sit-to-stand transfer, has processor that calculates vertical acceleration from measurement of accelerometer
<a href="#">WO2010039371</a> A2	NELLCOR PURITAN BENNETT LLC WIARD R M	Provision of battery security in breathing assistance system configured to provide breathing assistance to patient by receiving battery data in battery security system, analyzing date, and allowing battery to provide power after approval
<a href="#">WO2010033314</a> A1	CARDIAC PACEMAKERS INC SCHEURER E S WARIAR R	Hydration state determination method for monitoring hydration state of patient correlates differences between first inferior vena caval pressure value and second inferior vena caval pressure values to hydration state of patient
<a href="#">WO2010033450</a> A2	INTEL CORP LABHARD M E LUNDELL J W NEEDHAM B VAN THONG J	Assisted-living notification system for providing assisted living messages with different levels of detail to person or elder has device configuration module which causes first notification device to present first and second messages
<a href="#">WO2010030869</a> A3	MCCAULEY M	Personal security device has control module with which microphone is coupled, and with which transceiver, trigger and location module are in communication

[..ver más](#)

## OTRAS REFERENCIAS

### Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

<a href="#">WO2010065253</a> <a href="#">A2</a>	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
<a href="#">WO2010056534</a> <a href="#">A2</a>	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
<a href="#">WO2010052708</a> <a href="#">A1</a>	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
<a href="#">WO2010039063</a> <a href="#">A1</a>	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
<a href="#">WO2010033901</a> <a href="#">A1</a>	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