

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="#">WO 2013041736 A1</a> <a href="#">20130328</a>	DOS DE MAYO DIMENSIONES GRAFICAS S L	INTERFACE DEVICE
<a href="#">WO 2014107694 A1</a> <a href="#">20140710</a>	SHIRBINI MERFAT SIRAJ OMAR	COLOR EDUCATION SYSTEM FOR THE VISUALLY IMPAIRED
<a href="#">WO 2014113309 A2</a> <a href="#">20140724</a>	SURE FOOT CORP	ANTI-SLIP OVERSHOE WITH FLEXIBLE CLEATS AND METHOD OF GRIPPING NATURAL SURFACES
<a href="#">WO 2014122420 A1</a> <a href="#">20140814</a>	SPIRAL SCRATCH LTD	AID FOR VISUALLY IMPAIRED PEOPLE
<a href="#">WO 2014092512 A1</a> <a href="#">20140619</a>	SAMSUNG ELECTRONICS CO LTD	METHOD AND APPARATUS FOR CONTROLLING HAPTIC FEEDBACK OF AN INPUT TOOL FOR A MOBILE TERMINAL
<a href="#">WO 2014098528 A1</a> <a href="#">20140626</a>	SAMSUNG ELECTRONICS CO LTD	TEXT-ENLARGEMENT DISPLAY METHOD
<a href="#">WO 2014094859 A1</a> <a href="#">20140626</a>	WIDEX AS	HEARING AID AND A METHOD FOR AUDIO STREAMING
<a href="#">WO 2014094865 A1</a> <a href="#">20140626</a>	WIDEX AS	METHOD OF OPERATING A HEARING AID AND A HEARING AID
<a href="#">WO 2014108136 A1</a> <a href="#">20140717</a>	TKS AS	A CONTROL INPUT SYSTEM
<a href="#">WO 2014102383 A1</a> <a href="#">20140703</a>	GN RESOUND AS	A SPECTACLE HEARING DEVICE SYSTEM
<a href="#">WO 2014098452 A1</a> <a href="#">20140626</a>	SAMSUNG ELECTRONICS CO LTD	INPUT METHOD, TERMINAL APPARATUS APPLYING INPUT METHOD, AND COMPUTER-READABLE STORAGE MEDIUM STORING PROGRAM PERFORMING THE SAME
<a href="#">WO 2014113621 A1</a> <a href="#">20140724</a>	AUGMENT MEDICAL INC	GESTURE-BASED COMMUNICATION SYSTEMS AND METHODS FOR COMMUNICATING WITH HEALTHCARE PERSONNEL
<a href="#">WO 2014094858 A1</a> <a href="#">20140626</a>	WIDEX AS	HEARING AID AND A METHOD FOR IMPROVING SPEECH INTELLIGIBILITY OF AN AUDIO SIGNAL
<a href="#">WO 2014106085 A1</a> <a href="#">20140703</a>	UNIV CITY NEW YORK RES FOUND	WEARABLE NAVIGATION ASSISTANCE FOR THE VISION-IMPAIRED
<a href="#">WO 2014106295 A1</a> <a href="#">20140710</a>	CLARIS HEALTHCARE INC	COMPUTER APPARATUS FOR USE BY SENIOR CITIZENS
<a href="#">WO 2014087571 A1</a> <a href="#">20140612</a>	TERUMO CORP	INFORMATION PROCESSING DEVICE AND INFORMATION PROCESSING METHOD
<a href="#">WO 2014096860 A1</a> <a href="#">20140626</a>	THUNDERHEAD LTD	ACCESSING CONTENT IN A RICH INTERNET APPLICATION
<a href="#">WO 2014112847 A1</a> <a href="#">20140724</a>	SAMSUNG ELECTRONICS CO LTD	METHOD AND ELECTRONIC DEVICE FOR PROVIDING GUIDE
<a href="#">WO 2014113891 A1</a> <a href="#">20140731</a>	HU HAI	DEVICES AND METHODS FOR THE VISUALIZATION AND LOCALIZATION OF SOUND
<a href="#">WO 2014112777 A1</a> <a href="#">20140724</a>	SAMSUNG ELECTRONICS CO LTD	METHOD FOR PROVIDING HAPTIC EFFECT IN PORTABLE TERMINAL, MACHINE-READABLE STORAGE MEDIUM, AND PORTABLE TERMINAL
<a href="#">WO 2014082638 A2</a> <a href="#">20140605</a>	BAUM WOLFGANG	DEVICE FOR ENTERING AND OUTPUTTING TEXT AND/OR IMAGES

[...ver más](#)

## AYUDA A LA MOVILIDAD

**Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO**

<a href="#">WO 2014097143 A1</a> <a href="#">20140626</a>	FROLOV ANTHONY	DEVICE FOR TRAINING SWIMMERS AND PERFORMING PHYSIOTHERAPEUTIC EXERCISES
<a href="#">WO 2014127040 A1</a> <a href="#">20140821</a>	RODNEY THOMPSON	EXERCISE DEVICE
<a href="#">WO 2014100064 A1</a> <a href="#">20140626</a>	INTEL CORP	ADAPTIVE EXOSKELETON, DEVICES AND METHODS FOR CONTROLLING THE SAME
<a href="#">WO 2014134499 A1</a> <a href="#">20140904</a>	NOVINT TECHNOLOGIES INC	MODULAR EXOSKELETAL FORCE FEEDBACK CONTROLLER
<a href="#">WO 2014118289 A1</a> <a href="#">20140807</a>	EXOS GMBH	HOLDING MEANS FOR COUPLING AT LEAST ONE GUIDING/SUPPORTING STRUCTURE TO A LIVING BEING
<a href="#">WO 2014125387 A2</a> <a href="#">20140821</a>	SCUOLA SUPERIORE SANT ANNA	ROBOTIC DEVICE FOR ASSISTING HUMAN FORCE
<a href="#">WO 2014109825 A1</a> <a href="#">20140717</a>	ROBBINS LLYOD L	TRANSFER ACCESSIBLE VEHICLE FOR DISABLED PERSON
<a href="#">WO 2014111921 A1</a> <a href="#">20140724</a>	ARGO MEDICAL TECHNOLOGIES LTD	GAIT DEVICE WITH A CRUTCH
<a href="#">WO 2014098494 A1</a> <a href="#">20140626</a>	KOREA INST SCI & TECH	APPARATUS FOR CONTROLLING PROSTHETIC ARM
<a href="#">WO 2014116628 A1</a> <a href="#">20140731</a>	GORBEL INC	MEDICAL REHAB LIFT SYSTEM AND METHOD WITH HORIZONTAL AND VERTICAL FORCE SENSING AND MOTION CONTROL
<a href="#">WO 2014124482 A1</a> <a href="#">20140821</a>	SUTTON ROBERT	A WHEELED VEHICLE AND A METHOD OF OPERATION THEREOF
<a href="#">WO 2014088372 A1</a> <a href="#">20140612</a>	HAN KYUNG-HEE	MULTI-PURPOSE SOLAR POWER SAFE WALKER
<a href="#">WO 2014112635 A1</a> <a href="#">20140724</a>	TOSHIBA KK	MOVEMENT-INFORMATION PROCESSING DEVICE
<a href="#">WO 2014112645 A1</a> <a href="#">20140724</a>	TOSHIBA KK	MOVEMENT INFORMATION DISPLAY DEVICE AND PROGRAM
<a href="#">WO 2014113456 A1</a> <a href="#">20140724</a>	EKSO BIONICS INC	INTERFACE FOR ADJUSTING THE MOTION OF A POWERED ORTHOTIC DEVICE THROUGH EXTERNALLY APPLIED FORCES
<a href="#">WO 2014109484 A1</a> <a href="#">20140717</a>	HAN KYUNG-HEE	STRUCTURAL MODIFICATION OF CHAIR AND CUSHION
<a href="#">WO 2014110620 A1</a> <a href="#">20140724</a>	CTA AUSTRALIA PTY LTD	IMPROVEMENTS TO TACTILE GROUND SURFACE INDICATORS HAVING A COMPOSITE CONSTRUCTION
<a href="#">WO 2014112815 A1</a> <a href="#">20140724</a>	LG ELECTRONICS INC	ELECTRIC WALKING ASSISTANT DEVICE
<a href="#">WO 2014116300 A1</a> <a href="#">20140731</a>	CAMPBELL TERRY	MOBILITY DEVICE AND METHOD FOR GUIDING THE VISUALLY IMPAIRED
<a href="#">WO 2014093470 A1</a> <a href="#">20140619</a>	EKSO BIONICS INC	RECONFIGURABLE EXOSKELETON
<a href="#">WO 2014112632 A1</a> <a href="#">20140724</a>	TOSHIBA KK	MOVEMENT-INFORMATION PROCESSING DEVICE AND METHOD
<a href="#">WO 2014097247 A1</a> <a href="#">20140626</a>	SAAYMAN JACOBUS HENDRIK	LIFTING DEVICE FOR DISABLED PERSON
<a href="#">WO 2014103305 A1</a> <a href="#">20140703</a>	TOKYO INST TECH	WALKING ASSISTANCE DEVICE AND WALKING ASSISTANCE METHOD
<a href="#">WO 2014096483 A1</a> <a href="#">20140626</a>	UNIV ALICANTE	DEVICE AND METHOD FOR THE DETECTION OF AERIAL OBSTACLES FOR VISUALLY IMPAIRED PEOPLE
<a href="#">WO 2014107754 A2</a> <a href="#">20140717</a>	PAJESTKA KEVIN	DEVICE FOR DETECTING SURROUNDINGS

[...ver más](#)

## TELEASISTENCIA SANITARIA

### Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

<a href="#">WO 2014127199 A2</a> <a href="#">20140821</a>	LIBERTY MICHAEL A	MULTI-ACCESS HEALTH CARE PROVIDER PORTAL
<a href="#">WO 2014132340 A1</a> <a href="#">20140904</a>	HITACHI LTD	MONITORING SYSTEM
<a href="#">WO 2014097283 A2</a> <a href="#">20140626</a>	UNIV MILITAR NUEVA GRANADA	INTELLIGENT DISTANCING-DETECTION DEVICE
<a href="#">WO 2014116189 A2</a> <a href="#">20140731</a>	FIDELTUS ILERI TEKNOLOJI URUNLERI SANAYI VE TICARET ANONIM SIRKETI	AN ACCESSORY WITH A TRACKER CONCEALED THEREIN
<a href="#">WO 2014120600 A1</a> <a href="#">20140807</a>	MONOLYSIS MEDICAL LLC	DEVICES, SYSTEMS, AND METHODS FOR TISSUE MEASUREMENT
<a href="#">WO 2014087310 A1</a> <a href="#">20140612</a>	KONINKL PHILIPS NV	DEVICE AND METHOD FOR OBTAINING VITAL SIGN INFORMATION OF A LIVING BEING
<a href="#">WO 2014125250 A1</a> <a href="#">20140821</a>	ISIS INNOVATION	ANALYSING VIDEO IMAGES OF A SUBJECT TO IDENTIFY SPATIAL IMAGE AREAS WHICH CONTAIN PERIODIC INTENSITY VARIATIONS
<a href="#">WO 2014118564 A1</a> <a href="#">20140807</a>	ACORN MOBILITY SERVICES LTD	MONITORED STAIRLIFT
<a href="#">WO 2014082071 A1</a> <a href="#">20140530</a>	HOGGLE JOHN M	MEDICAL MONITORING SYSTEM
<a href="#">WO 2014091426 A1</a> <a href="#">20140619</a>	KONINKL PHILIPS NV	METHOD AND APPARATUS FOR USE IN MONITORING AND IDENTIFYING ABNORMAL VALUES OF A PHYSIOLOGICAL CHARACTERISTIC OF A SUBJECT
<a href="#">WO 2014110492 A2</a> <a href="#">20140717</a>	UNIV NORTHEASTERN	SALIVA GLUCOSE MONITORING SYSTEM
<a href="#">WO 2014122467 A1</a> <a href="#">20140814</a>	LOXBRIDGE RES LLP	SYSTEMS AND METHODS FOR EARLY DISEASE DETECTION AND REAL-TIME DISEASE MONITORING
<a href="#">WO 2014093368 A1</a> <a href="#">20140619</a>	CLEVELAND CLINIC FOUNDATION	PERFORMANCE TEST FOR EVALUATION OF NEUROLOGICAL FUNCTION
<a href="#">WO 2014124497 A1</a> <a href="#">20140821</a>	PLATT HARRY LOUIS	A PORTABLE ASSISTANCE REQUEST DEVICE
<a href="#">WO 2014094889 A1</a> <a href="#">20140626</a>	TELECOM ITALIA SPA	METHOD AND SYSTEM FOR PROVIDING A TELECARE SERVICE
<a href="#">WO 2014108896 A1</a> <a href="#">20140717</a>	MARPE TECHNOLOGIES LTD	DEVICE AND METHOD FOR BODY MOLES MAPPING AND TRACKING
<a href="#">WO 2014072798 A2</a> <a href="#">20140515</a>	RONDISH CO LTD	BED MONITORING PAD
<a href="#">WO 2014086339 A2</a> <a href="#">20140612</a>	COSI ELEKTRONIK GMBH	EMERGENCY CALL TRANSMITTER
<a href="#">WO 2014089665 A1</a> <a href="#">20140619</a>	CNV SYSTEMS LTD	SYSTEM FOR MEASUREMENT OF CARDIOVASCULAR HEALTH
<a href="#">WO 2014087041 A1</a> <a href="#">20140612</a>	MENUMAT OY	ARRANGEMENT AND METHOD FOR NUTRITION AND REMOTE CARE SERVICES

[..ver más](#)

## OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
----------------	-------------	-------------------

<a href="#">WO 2014134258 A1</a> <a href="#">20140904</a>	MED EL ELEKTROMED GERAETE GMBH	EVALUATION OF SOUND QUALITY AND SPEECH INTELLIGIBILITY FROM NEUROGRAMS
<a href="#">WO 2014134537 A1</a> <a href="#">20140904</a>	UNIV CALIFORNIA	POINT-OF-CARE DEVICE FOR MONITORING RENAL FUNCTION
<a href="#">WO 2014133822 A2</a> <a href="#">20140904</a>	3M INNOVATIVE PROPERTIES CO	CONFIGURABLE RESOURCE UTILIZATION DETERMINATOR AND ESTIMATOR
<a href="#">WO 2014108690 A1</a> <a href="#">20140717</a>	STEWART FLOYD NATHAN	URINE SAMPLE DEVICE
<a href="#">WO 2014113164 A1</a> <a href="#">20140724</a>	FXI INC	BODY SUPPORT SYSTEM WITH PRESSURE REDISTRIBUTION AND INTERNAL AIR FLOW GUIDE(S)
<a href="#">WO 2014120809 A1</a> <a href="#">20140807</a>	NITTO DENKO CORP	OPTICAL ELEMENT FOR CORRECTING COLOR BLINDNESS
<a href="#">WO 2014117150 A1</a> <a href="#">20140731</a>	SENIORLINK INC	RISK MODEL FOR A CARE MANAGEMENT SYSTEM
<a href="#">WO 2014097744 A1</a> <a href="#">20140626</a>	TEMCO JAPAN	BONE CONDUCTION RECEIVER
<a href="#">WO 2014100036 A1</a> <a href="#">20140626</a>	CONEY LILLIE BRUCE	SECURE HEALTHCARE MANAGEMENT AND COMMUNICATION SYSTEM
<a href="#">WO 2014125240 A1</a> <a href="#">20140821</a>	ISENSOL LTD	A MICROWAVE DETECTOR AND CORRESPONDING DETECTING METHOD
<a href="#">WO 2014127186 A1</a> <a href="#">20140821</a>	MED EL ELEKTROMED GERAETE GMBH	INDUCTIVE LINK COUPLED MINIATURE INTRA-COCHLEAR ELEMENTS
<a href="#">WO 2014081068 A1</a> <a href="#">20140530</a>	KYUNGPOOK NAT UNIV IND ACAD	METHOD FOR GUIDING ARTICLE SELECTION FOR HEALTH CARE OF USER
<a href="#">WO 2014116912 A1</a> <a href="#">20140731</a>	MED EL ELEKTROMED GERAETE GMBH	IMPACT PROTECTION FOR IMPLANTABLE ELECTRIC LEAD
<a href="#">WO 2014118668 A1</a> <a href="#">20140807</a>	KIMBERLY CLARK CO	METHOD FOR REDUCING ILLNESS IN CARE FACILITIES
<a href="#">WO 2014113186 A1</a> <a href="#">20140724</a>	FRESENIUS MED CARE HLDG INC	DIALYSIS TREATMENT SIMULATION SYSTEMS AND METHODS
<a href="#">WO 2014122134 A1</a> <a href="#">20140814</a>	INST NAT RECH INF AUTOMAT	METHOD FOR CONTROLLING A DEFORMABLE ROBOT, AND RELATED MODULE AND COMPUTER PROGRAM
<a href="#">WO 2014087611 A1</a> <a href="#">20140612</a>	PANASONIC CORP	MEDICAL EQUIPMENT
<a href="#">WO 2014113681 A1</a> <a href="#">20140724</a>	ECLIPSE BREAST HEALTH TECHNOLOGIES	SYSTEMS AND METHODS FOR NONINVASIVE HEALTH MONITORING
<a href="#">WO 2014116535 A1</a> <a href="#">20140731</a>	UNIV DUKE	SYSTEMS AND METHODS FOR OPTIMIZING CARDIAC RESYNCHRONIZATION THERAPY (CRT)
<a href="#">WO 2014093288 A1</a> <a href="#">20140619</a>	MED EL ELEKTROMED GERAETE GMBH	HEARING IMPLANT HOUSING WITH BOTTOM SURFACE LEAD

**iTP**  
Informe Tecnológico de Patentes

OEPM

Buscamos  
comparamos  
y se lo contamos

*IT* Información Tecnológica