

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
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WO 2013179311 A1 20131205	INDIAN INST OF TECHNOLOGY DELHI	A SYSTEM FOR GENERATING REFRESHABLE TACTILE TEXT AND GRAPHICS
WO 2013174396 A1 20131128	ATTA MOHAMED SAMIR AHMED	DUAL REVERSE CONTRARY SCREENS
WO 2013130061 A1 20130906	PHONAK AG	FITTING SYSTEM FOR A BIMODAL HEARING SYSTEM, CORRESPONDING METHOD AND HEARING SYSTEM
WO 2013135299 A1 20130919	CHERRADI EL FADILI IBRAHIM FARID	EXTENDING THE FREE FINGERS TYPING TECHNOLOGY AND INTRODUCING THE FINGER TAPS LANGUAGE TECHNOLOGY
WO 2013138122 A2 20130919	IBM	AUTOMATIC REALTIME SPEECH IMPAIRMENT CORRECTION
WO 2013165936 A1 20131107	SRC INC	REALISTIC SPEECH SYNTHESIS SYSTEM
WO 2013136969 A1 20130919	ALPS ELECTRIC CO LTD	DRIVE DEVICE USING POLYMER ACTUATOR
WO 2013148526 A2 20131003	APPLE INC	DEVICE, METHOD, AND GRAPHICAL USER INTERFACE FOR INTEGRATING RECOGNITION OF HANDWRITING GESTURES WITH A SCREEN READER
WO 2013173526 A1 20131121	LAMB MATHEW J	HOLOGRAPHIC STORY TELLING
WO 2013147704 A1 20131003	TOH TECK SENG	MOBILE PHONE GLASSES
WO 2013139038 A1 20130926	SIEMENS AG	SPEECH SIGNAL PROCESSING METHOD AND APPARATUS AND HEARING AID USING THE SAME
WO 2013166570 A1 20131114	UNIV FED DO RIO GRANDE DO SUL	CONFIGURABLE DISPLAY DEVICES TO COMPENSATE FOR VISUAL IMPAIRMENTS
WO 2013134388 A1 20130912	COACTIVE DRIVE CORP	SYNCHRONIZED ARRAY OF VIBRATION ACTUATORS IN A NETWORK TOPOLOGY
WO 2013137548 A1 20130919	KOREA RES INST OF STANDARDS	DIELECTRIC POLYMER HIGH-PERFORMANCE DRIVER, ACTUATOR AND VIBRATING MOTOR USING THE DRIVER, METHOD FOR OPERATING THE ACTUATOR, APPARATUS FOR PROVIDING TACTILE FEEDBACK AND APPARATUS FOR PROVIDING TACTILE FEEDBACK TO SIGHT AND HEARING DISABLED PERSON

[WO 2013176825 A1](#)
[20131128](#)

SMARTBOUND
TECHNOLOGIES LLC

INTERACTIVE PRINTED ARTICLE WITH TOUCH-
ACTIVATED PRESENTATION

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AYUDA A LA MOVILIDAD

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WO 2013182452 A1 20131212	COMMISSARIAT ENERGIE ATOMIQUE	EXOSKELETON ARM HAVING AN ACTUATOR
WO 2013181663 A1 20131205	UNIV NEW YORK	SOMATOSENSORY TERMINAL FEEDBACK CANE
WO 2013136287 A1 20130919	MOTORIKA LTD	GYROSCOPIC APPARATUSES AND METHODS OF USING SAME
WO 2013162362 A1 20131031	ALINK BARBARA ELISABETH	SITTING ASSEMBLY
WO 2013173898 A2 20131128	DOURADO LOPES NETO JOVINIANO	SMART SPECTACLES FOR PEOPLE WITH SPECIAL NEEDS
WO 2013140390 A1 20130926	ARGO MEDICAL TECHNOLOGIES LTD	MOTORIZED EXOSKELETON UNIT
WO 2013162702 A1 20131031	LUMINATOR HOLDING L P	TRANSIT STATION GEOGRAPHICAL LOCATION SIGN HANDICAP ACCESS
WO 2013175037 A1 20131128	DAVALOR CONSULTORIA ESTRATEGICA Y TECNOLOGICA S L	DEVICE FOR VISUAL-MOTOR AND/OR NEUROMUSCULAR THERAPY AND VISUAL-MOTOR AND/OR NEUROMUSCULAR THERAPY METHOD USING SAID DEVICE
WO 2013150556 A1 20131010	UNI POLITECNICA DELLE MARCHE	AID DEVICE FOR BLIND PEOPLE
WO 2013167241 A2 20131114	CANE SOCIAL TECHNOLOGY BV I	HAPTIC USER INTERFACE
WO 2013145769 A1 20131003	UNIV KYUSHU NAT UNIV CORP	AMBULATORY MOVEMENT ASSISTANCE DEVICE
WO 2013155551 A1 20131024	WALKSAFE AUSTRALIA PTY LTD	HAZARD AVOIDANCE AND/OR LOCATION SYSTEM AND METHOD
WO 2013164364 A1 20131107	HOCOMA AG	TRAINING APPARATUS
WO 2013167822 A1 20131114	VIA	HINGED SEAT PROVIDED WITH A SYNCHRONOUS MOVEMENT BETWEEN THE SEAT PORTION AND THE BACKREST
WO 2013170246 A1 20131114	UNIV TENNESSEE RES FOUNDATION	PORTABLE HAND REHABILITATION DEVICE
WO 2013134330 A1 20130912	ANDANTE MEDICAL DEVICE INC	BRAIN RE-TRAINING SYSTEM FOR AMBULATORY AND/OR FUNCTIONAL PERFORMANCE THERAPY
WO 2013157965 A1 20131024	CONTUR 2000 S C	ACTIVE PROSTHETIC SHIN
WO 2013158460 A1 20131024	ROWHEELS INC	PROPULSION SYSTEMS FOR MANUALLY-OPERATED MOBILITY DEVICES

WO 2013173775 A1 20131121	OSIKA MICHAEL P	APPARATUS FOR MOVING A LIMB OF A BEDRIDDEN PERSON
WO 2013166544 A1 20131114	NAT ICT AUSTRALIA LTD	REDUCING THE DYNAMIC RANGE OF IMAGE DATA
WO 2013167129 A1 20131114	SOERENSEN ANDERS STENGAARD	A SENSOR UNIT FOR QUANTIFICATION OF PHYSICAL TRAINING WITH RUBBER BAND
WO 2013142777 A1 20130926	EKSO BIONICS INC	HUMAN MACHINE INTERFACE FOR LOWER EXTREMITY ORTHOTICS
WO 2013155065 A1 20131017	FAWCETT JOHN CHRISTOPHER	SUPPORT VEST
WO 2013134873 A1 20130919	HOSPITAL FOR SICK CHILDREN	SYSTEMS AND METHODS FOR BALANCE STABILIZATION

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TELEASISTENCIA SANITARIA

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WO 2013177493 A1 20131128	ATWOOD INTERNAT INC	DEVICE SELECTIVELY STORING AND PRESENTING CRITICAL MEDICAL INFORMATION
WO 2013175407 A1 20131128	KONINKL PHILIPS NV	OUTSIDE CLINICAL MONITORING APPARATUS FOR MONITORING A PERSON
WO 2013140163 A1 20130926	NETSCIENTIFIC LTD	PROGRAMMABLE MEDICAL DEVICES
WO 2013173747 A1 20131121	PIPKE ROBERT MATTHEW	SYSTEM AND METHOD FOR PRIORITY-BASED MANAGEMENT OF PATIENT HEALTH FOR A PATIENT POPULATION
WO 2013133549 A1 20130912	SAMSUNG ELECTRONICS CO LTD	HEALTH MANAGEMENT SYSTEM USING HOME NETWORK AND OPERATION METHOD THEREOF
WO 2013143004 A1 20131003	GUARD RFID SOLUTIONS INC	DISPOSABLE ANTI-TAMPER CONDUCTIVE PLASTIC BAND FOR RE-USABLE RFID TAG
WO 2013140490 A1 20130926	FUJITSU LTD	VISITING MEDICAL CARE SUPPORT METHOD AND PROGRAM
WO 2013141491 A1 20130926	KOREA ELECTRONICS TECHNOLOGY	SYSTEM AND METHOD FOR SECURITY OF DATA COMMUNICATION HAVING BIOMETRICS
WO 2013148132 A1 20131003	DANIELLE S BUDDY	LOCATING SYSTEM FOR AUTISTIC CHILD AND OTHERS
WO 2013169014 A1 20131114	LEE DONG HWA	WATCH-TYPE BLOOD PRESSURE MONITOR
WO 2013154281 A1 20131017	KIM DONG-YEON	LOCATION MANAGEMENT SYSTEM
WO 2013171629 A1 20131121	KONINKL PHILIPS NV	PERSONALIZED HANDING OF A USER TERMINAL
WO 2013170219 A1 20131114	BIOMETRIC HOLDINGS INC	SYSTEMS, METHODS, AND APPARATUSES FOR MONITORING END STAGE RENAL DISEASE
WO 2013172871 A1 20131121	EARLY BIRD ALERT INC	AN INTERACTIVE COMMUNICATIONS SYSTEM FOR THE COORDINATION AND MANAGEMENT OF PATIENT- CENTERED HEALTH CARE SERVICES
WO 2013155002 A1 20131017	FRANZ RICHARD	WIRELESS TELEMEDICINE SYSTEM
WO 2013159217 A1 20131031	ILOC TECHNOLOGIES INC	APPARATUS AND METHODS FOR GEOLOCATING AN INDIVIDUAL WITH RESPECT TO A PERIMETER
WO 2013142069 A1 20130926	MICROSOFT CORP	MONITORING PHYSICAL THERAPY VIA IMAGE SENSOR
WO 2013164721 A1 20131107	KONINKL PHILIPS NV	DEVICE AND METHOD FOR ROUTING A MEDICAL ALERT TO A SELECTED STAFF MEMBER

<u>WO 2013151730 A1</u> <u>20131010</u>	WELCH ALLYN INC	PHYSIOLOGICAL PARAMETER MEASURING PLATFORM DEVICE SUPPORTING MULTIPLE WORKFLOWS
<u>WO 2013156707 A1</u> <u>20131024</u>	DESGORCES CLAUDE	FLOOR COVERING ITEM FOR DETECTING DROPPAGES
<u>WO 2013170035 A1</u> <u>20131114</u>	TECHNOPHYSICS SOLUTIONS CORP	SYSTEM AND METHOD FOR ATTACHMENT FREE MOTION, RESPIRATION, HEARTBEAT, AND VIDEO MONITORING
<u>WO 2013166347 A1</u> <u>20131107</u>	ELWHA LLC	DEVICES, SYSTEMS, AND METHODS FOR AUTOMATED DATA COLLECTION
<u>WO 2013164745 A2</u> <u>20131107</u>	KONINKL PHILIPS NV	CONFIGURATION OF A COMMUNICATION TERMINAL

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OTRAS REFERENCIAS

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WO 2013178313 A1 20131205	APPLIED BIOMEDICAL SYSTEMS BV	DIAGNOSTIC PLASTER WITH TEXTILE BASE FOR CONNECTION WITH ELECTRONICS
WO 2013175348 A1 20131128	KONINKL PHILIPS NV	LIGHTING SYSTEM, PARTICULARLY FOR DELIRIUM REDUCTION IN INTENSIVE CARE UNITS
WO 2013138633 A1 20130919	UNIV MINNESOTA	AUTOMATED VERBAL FLUENCY ASSESSMENT
WO 2013160893 A1 20131031	YISSUM RES DEV CO	A DEVICE FOR REHABILITATING BRAIN MECHANISM OF VISUAL PERCEPTION USING COMPLEMENTARY SENSUAL STIMULATIONS
WO 2013181300 A1 20131205	UNIV LELAND STANFORD JUNIOR	APPARATUS, SYSTEMS, AND METHODS FOR MONITORING EXTRAVASCULAR LUNG WATER
WO 2013175443 A2 20131128	MODLIN DAVID	A COMPUTERISED TESTING AND DIAGNOSTIC METHOD AND SYSTEM
WO 2013170095 A1 20131114	CERCACOR LAB INC	PATIENT MONITORING SYSTEM
WO 2013146581 A1 20131003	HEISHIN LTD	TACTILE PRINTER
WO 2013171445 A1 20131121	WTL TECHNOLOGIES LTD	TREATMENT OR THERAPEUTIC APPARATUS
WO 2013143016 A2 20131003	ETH ZUERICH	ACCOUSTIC WAVE REPRODUCTION SYSTEM
WO 2013128306 A1 20130906	KONINKL PHILIPS NV	COMBINED AED AND CPR DELIVERY ASSISTANCE UNIT
WO 2013165176 A1 20131107	NAM KWANG WOOK	CLAMPING DEVICE
WO 2013165550 A1 20131107	GEORGIA REGENTS UNIVERSITY	METHODS AND SYSTEMS FOR MEASURING DYNAMIC CHANGES IN THE PHYSIOLOGICAL PARAMETERS OF A SUBJECT
WO 2013173703 A1 20131121	ANGELINI PHARMA INC	APPLIANCE FOR DISINFECTING HAND-HELD DEVICES
WO 2013140659 A1 20130926	OMRON HEALTHCARE CO LTD	BLOOD PRESSURE MEASUREMENT DEVICE
WO 2013156908 A1 20131024	KONINKL PHILIPS NV	DEVICE AND METHOD FOR OBTAINING VITAL SIGN INFORMATION OF A LIVING BEING
WO 2013171599 A1 20131121	KONINKL PHILIPS NV	MONITORING OF CARDIAC OUTPUT
WO 2013166127 A1 20131107	APPLIED NANOTECH HOLDINGS INC	EAR ODOR SENSOR
WO 2013168363 A1 20131114	TERUMO CORP	SPEECH THERAPY ROBOT

WO 2013170091 A1 20131114	SCHEPENS EYE RES INST	RAPID MEASUREMENT OF VISUAL SENSITIVITY
WO 2013138885 A1 20130926	HAMLET CAPUTO GUILLIER GUIDO	COMPACT BRAILLE READER FOR COVERS AND THE LIKE
WO 2013165474 A1 20131107	YANG YINGCHANG	CONTINUOUSLY WEARABLE NON-INVASIVE APPARATUS FOR DETECTING ABNORMAL HEALTH CONDITIONS
WO 2013166461 A1 20131107	VIOPTIX INC	TISSUE OXIMETRY PROBE GEOMETRY FOR ROBUST CALIBRATION AND SELF-CORRECTION
WO 2013146436 A1 20131003	MEIJI CO LTD	DEGLUTITION SIMULATION DEVICE AND METHOD

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