Boletín VT eDEPENDENCIA

3.er trimestre 2018 35

Vigilancia Tecnológica

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 patentes (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:

NIPO: 088-17-024-6

Oficina Española de Patentes y Marcas, O.A.
UnidadInformacionTecnologica@oepm.es

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
WO 2018144289 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Braille chording accessory for a game controller
WO 2018144288 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Refreshable braille display accessory for a game controller
WO 2018115627 A1	UNIV PIERRE ET MARIE CURIE PARIS 6	System for sensory substitution by asynchronous tactile stimulation
WO 2018130552 A1	DESYNCRA TECH LIMITED	Extended bandwidth hearing aid with dynamically adjustable sampling rate for power optimized deployment of coordinated reset (cr) neuromodulation for the treatment of subjective tonal tinnitus
WO 2018130287 A1	SONOVA AG	Hearing device with acoustic shock control and method for acoustic shock control in a hearing device
WO 2018158753 A1	SYMBIOSIS INTERNATIONAL UNIV	System and method enabling an interactive wearable as an educational supplement for hearing impaired individuals
WO 2018127291 A1	SONOVA AG	Binaural hearing system
WO 2018149999 A1	YUMI TECH	Terminal for collecting a user's satisfaction feedback, collection system comprising the terminal, and method for collecting a user's satisfaction feedback using the terminal
WO 2018160503 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Automated real time interpreter service
WO 2018120751 A1	HUAWEI TECH CO LTD	Position adjusting method and terminal
WO 2018156475 A1	COHEN DOUGLAS JAY	Refreshable braille display
WO 2018144732 A1	THE TRUSTEES OF INDIANA UNIV	Cochlear implant
WO 2018156867 A1	MED EL ELEKTROMEDIZINISCHE GERAETE GMBH	Middle ear implant coupler for mechanical cochlea stimulation via the round window
WO 2018140922 A1	CHARI VENKATESH	Tactile display
WO 2018120013 A1	NOKIA TECHNOLOGIES OY	Artificial neural network
WO 2018127910 A1	ARAZIM MOBILE LTD	A tactile computing device
WO 2018118249 A1	MASTERCARD INTERNATIONAL INC	Amount confirmation for visually impaired users
WO 2018132863 A1	ALKIRA SOFTWARE HOLDINGS PTY LTD	Facilitated user interaction

...ver más

AYUDA A LA MOVILIDAD

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2018122106 A1	ETH ZUERICH	Soft wearable muscle assisting device
WO 2018165399 A1	EKSO BIONICS INC	Devices for the support and balance of human exoskeletons
WO 2018160093 A1	EVDOKIMOV VLADIMIR VLADISLAVOVICH	Assistive device for visually impaired people
WO 2018163084 A1	SPIN DEV SP Z O O	A stair-climbing device for a wheelchair, a wheelchair suitable for installing such a stair-climbing device and a wheelchair equipped with such a stair-climbing device
WO 2018114328 A1	MALLISHO AMJAD	An apparatus for transporting a patient
WO 2018147981 A1	PARKER HANNIFIN CORP	Legged mobility exoskeleton device with enhanced actuator mechanism employing magnetic coupling
WO 2018165451 A1	OBMA PADRAIC	A method for identifying human joint characteristics
WO 2018122331 A1	SAFRAN ELECTRONICS & DEFENSE	Exoskeleton sub-assembly and exoskeleton structure including such a sub-assembly
WO 2018132192 A1	PARKER HANNIFIN CORP	Legged mobility exoskeleton device with enhanced adjustment mechanisms
WO 2018147751 A1	POLSKA BIONIKA SP Z O O	Passive exoskeleton of a knee joint
WO 2018159731 A1	JAPAN HEALTHCARE INC	Gait analyzing system
WO 2018165261 A1	EKSO BIONICS INC	Actuator devices for human exoskeleton joints
WO 2018154253 A1	ROBOTIQUES 3 DIMENSIONS	Improved exoskeleton for assisting horizontal efforts
WO 2018132030 A1	GUSKOV ANDREY NIKOLAEVICH	Exoskeleton
WO 2018144937 A1	OTHER LAB LLC	System and method for user intent recognition
WO 2018158706 A1	LIUTI PAOLO	Electromechanical auxiliary equipment for the lifting and guided displacement of loads
WO 2018156549 A1	BRATHWAITE HALEY	Personal navigation system
WO 2018122332 A2	SAFRAN ELECTRONICS & DEFENSE	Linking device for an exoskeleton structure, facilitating the carrying of loads while walking or running
WO 2018147506 A1	CHO HYEON HONG	Robot dog for visually impaired
WO 2018147982 A1	PARKER HANNIFIN CORP	Legged mobility exoskeleton device with enhanced actuator mechanism employing magnetic/electrical coupling
WO 2018151582 A1	PEOPLIAN CO LTD	Wheelchair driving apparatus using smartphone body motions
WO 2018136367 A1	BLIND INSITES LLC	Devices, systems, and methods for navigation and usage guidance in a navigable space using wireless communication
WO 2018130784 A1	WANDERCRAFT	Method for moving an exoskeleton
WO 2018105470 A1	YAMAMOTO KEIJIROU	Actuator device and joint movement assisting device
WO 2018119586 A1	CLOUDMINDS SHENZHEN ROBOTICS SYSTEMS CO LTD	Blind guiding method and apparatus, and blind guiding device
WO 2018124892 A1	CASES JIMENEZ PEDRO DANIEL	Guide cane for the blind
WO 2018116476 A1	FUJITSU LTD	Information processing device, information processing method, and information processing program
WO 2018122886 A1	SIGNO MOTUS S R L	Esoskeleton equipped with electro-or magneto- rheological fluid type semi-active joints"
WO 2018118004 A1	INTEL CORP	Wearable assistive jamming apparatus and related methods

...ver más

TELEASISTENCIA SANITARIA

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2018140617 A1	CARDIAC PACEMAKERS INC	Intra-body device communication with redundant message transmission
WO 2018165868 A1	SHENZHEN ZNV TECH CO LTD	Monitoring method and monitoring apparatus
WO 2018122735 A1	LEANPASSION SP Z O O	Apparatus for mental status diagnosis of individuals and groups of people
WO 2018156970 A1	FLIR SYSTEMS	Real-time detection of periodic motion systems and methods
WO 2018152550 A1	PENEXA LLC	System and method for managing treatment plans
WO 2018163023 A1	BSH HAUSGERAETE GMBH	Cooker hood and video surveillance method based on cooker hood
WO 2018141598 A1	KONINKLIJKE PHILIPS NV	System and method for facilitating configuration modifications for a patient interface computer system based on risk of readmission of a patient
WO 2018153979 A1	KONINKLIJKE PHILIPS NV	Remotely controlled ultrasonic imaging system
WO 2018120640 A1	SHENZHEN BENEVOLENCE MEDICAL SCI&TECH CO LTD	Sleep monitoring system for aged people
WO 2018124376 A1	LEE DONGHOON	Core exercise equipment system interworking with smart device
WO 2018154401 A1	MEDICORTEX FINLAND OY	Non-invasive brain injury diagnostic device
WO 2018156071 A1	NEXT STEP DYNAMICS AB	Method and apparatus for health prediction by analyzing body behaviour pattern
WO 2018131789 A1	HAII CO LTD	Home social robot system for recognizing and sharing everyday activity information by analyzing various sensor data including life noise by using synthetic sensor and situation recognizer
WO 2018139893 A1	CHANG KWANGYOUNG	Method for sharing risk status of user using timer and apparatus therefor
WO 2018130833 A1	S & E CARETRADE	Monitoring system and method
WO 2018150725 A1	PANASONIC IP MAN CO LTD	Dementia information output system and control program
WO 2018132515 A1	DRAWBRIDGE HEALTH INC	Devices, systems, and methods for sample collection
WO 2018152707 A1	SHENZHEN QIANHAI ZOCOM INFORMATION TECH CO LTD	Elderly person nursing robot and control method therefor
WO 2018114035 A1	DIEHL METERING GMBH	Method and apparatus for monitoring the activity of at least one person in an infrastructure unit, amd measuring device
WO 2018116920 A1	NEC CORP	Remote management system, control device, server, method, and recording medium
WO 2018146682 A1	GYNISUS LTD	A medical monitoring system and method
WO 2018119239 A1	CERCACOR LABORATORIES INC	Methods and devices for detecting intensity of light with translucent detector
WO 2018120642 A1	SHENZHEN BENEVOLENCE MEDICAL SCI&TECH CO LTD	Polysomnography system for patients
WO 2018135316 A1	KONICA MINOLTA INC	Nurse call system
WO 2018110624 A1	AOF CO LTD	Fall analysis system and analysis method
WO 2018135317 A1	KONICA MINOLTA INC	Assistance method and assistance system
WO 2018135050 A1	SHARP KK	Monitoring device
WO 2018132352 A1	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RES	Blood pressure measurement techniques and devices
WO 2018136805 A1	UNIV NEW YORK	System, method and computer-accessible medium for ultrasound analysis
WO 2018133074 A1	SICHUAN GOLDEN RIDGE INTELLIGENCE SCIENCE & TECH CO LTD	Intelligent wheelchair system based on big data and artificial intelligence

WO 2018110295 A1	KONICA MINOLTA INC	Care plan ouput apparatus, care plan ouput method and care plan ouput system, and person-to-be-monitored monitoring system
WO 2018125329 A1	UNIV COLUMBIA	Systems and methods for ultrasound modulation of neurons

..ver más

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2018158000 A1	KNORR BREMSE GES MIT BESCHRAENKTER HAFTUNG	Sliding step assembly for a motor vehicle or for a rail vehicle
WO 2018162193 A1	SENSATRONIC GMBH	Method and device for measuring a substance concentration in a gaseous medium by means of absorption spectroscopy
WO 2018163141 A2	UNIV CATOLICA SANTA MARIA LA ANTIGUA	Smart umbrella for the visually impaired
WO 2018138350 A1	ZIMMERLI CHRISTIAN	System and method for ascertaining at least one frequency of an auditory perception or a weakening of the auditory perception of a person at said frequency
WO 2018109240 A1	TALLERES AGA S A	Safety lock
WO 2018122518 A1	COMMISSARIAT A LENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	Iterative process for calibrating a direct neural interface
WO 2018142603 A1	MITSUBISHI ELECTRIC CORP	Elevator control device and control method
WO 2018156875 A1	EBNER TODD RENE	Nutrition management and kitchen appliance
WO 2018118687 A1	ONTHEMUV INC	Seated treadmill and method of use
WO 2018140531 A1	UNIV CALIFORNIA	Accessing spinal network to enable respiratory function
WO 2018117918 A1	ALZAHRANI MOHAMMAD OTHMAN FARHA	Smart prayer mat with autonomous direction towards the muslim prayer direction (qibla)

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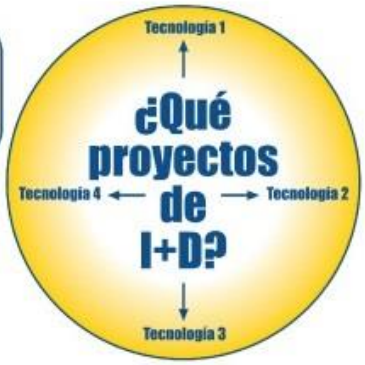
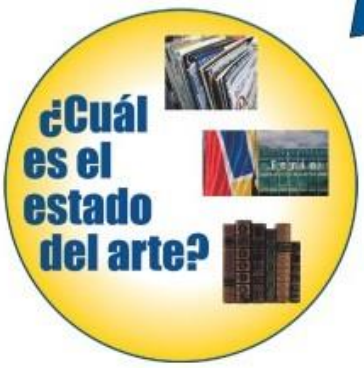
Los ITPs** de la OEPM nos proporcionan información imprescindible para decidir la priorización óptima de proyectos de I+D en los que invertir.

Gamesa



LANZAMIENTO



Los ITPs** de la OEPM nos han ahorrado horas de revisión bibliográfica para definir el punto de partida de nuestros proyectos de I+D.

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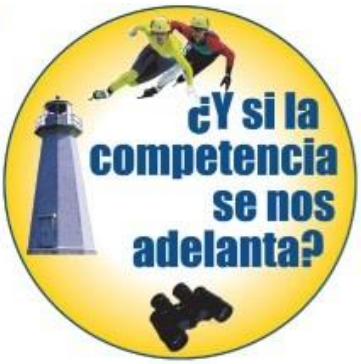
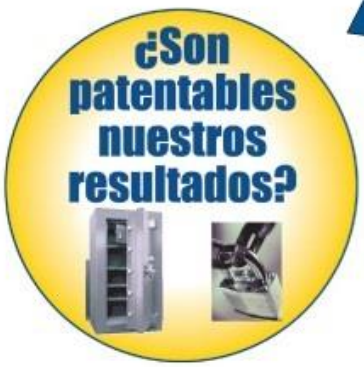
EJECUCIÓN



Los ITPs** de la OEPM detectaron solicitudes de patente relevantes cuando estábamos a mitad del proyecto y gracias a ello pudimos reconducir nuestra investigación.

CSIC

CONCLUSIÓN



Gracias a los ITPs** de la OEPM hemos podido decidir la mejor forma de protección de nuestros resultados de I+D y redactar adecuadamente nuestras solicitudes de patente.

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Fábrica Nacional de Moneda y Timbre

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