Boletín VT

REDES DE SENSORES INALÁMBRICAS

21

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Vigilancia Tecnológica

Desde su aparición, los campos de aplicación de las redes de sensores inalámbricas se han ido ampliando de forma constante. La posibilidad de crear extensas plataformas de gestión integrada para la monitorización, captura de datos, y control remoto y en tiempo real mediante estas redes sensoriales, ha proporcionado una poderosa herramienta para el desarrollo de aplicaciones y servicios en sectores económicos tan diversos como el agrícola, el industrial o el de la administración pública.

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 algunas de las aplicaciones más relevantes abordadas por las redes de sensores inalámbricas, tales como: su uso en entornos agrícolas (gestión de cultivos, plagas, invernaderos, regadíos), su uso en entornos urbanos o públicos (seguridad ciudadana, infraestructuras, gestión de información medioambiental, polución, residuos) o su uso para la detección y gestión de incendios.

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:

NIPO: 073-15-019-2

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.

REDES DE SENSORES PARA ENTORNOS AGRÍCOLAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2015028470 A1 20150305	HUMBOLDT UNIVERSITÄT ZU BERLIN	HEAT EXCHANGER DEVICE FOR A GREENHOUSE
WO 2014195952 A1 20141211	FLORA FOTONICA LTD	A SYSTEM AND METHOD FOR PROVIDING ILLUMINATION TO PLANTS
WO 2015035370 A1 20150312	SOIL IQ INC	MONITORING DEVICE AND METHOD OF USE
WO 2014200365 A1 20141218	KAHNE LTD	RUMEN BOLUS
WO 2015042473 A1 20150326	CNH IND AMERICA LLC	COMBINE SIDE-SHAKE CLEANING CONTROL SYSTEM
WO 2015022654 A1 20150219	HUSQVARNA AB	INTELLIGENT GROUNDS MANAGEMENT SYSTEM
WO 2015028642 A2 20150305	MAGNOMICS S A	SCALABLE AND HIGH THROUGHPUT BIOSENSING PLATFORM
WO 2015012774 A1 20150129	TÜMSA TEKNOLOJLK ENDÜSTRIYEL BILGISAYAR ÜRLÜNLERI MÜHENDISLIK VE PAZARLAMA A	A YIELD MONITORING SYSTEM FOR THE COMBINE HARVESTERS
WO 2015022672 A2 20150219	HUSQVARNA AB	INTELLIGENT GROUNDS MANAGEMENT SYSTEM INTEGRATING ROBOTIC ROVER
WO 2015035368 A2 20150312	FORAGE INNOVATIONS BV	ROUND BALER WITH DUAL WRAPPING ROLLS
WO 2015014928 A2 20150205	CNH IND BELGIUM NV	AGRICULTURAL RECTANGULAR BALER AND METHOD FOR USE THEREOF
WO 2014207777 A1 20141231	ROTER ITALIA S R L	METHOD AND SYSTEM FOR CONTROLLING THE OPERATION OF MACHINES, IN PARTICULAR AGRICULTURAL MACHINES AND TOOLS
WO 2015009170 A1 20150122	PLANT DETECTION SYSTEMS LTD	IMPROVEMENTS IN, OR RELATING TO, PLANT MAINTENANCE
WO 2014203246 A2 20141224	AQUA RIMAT LTD	FLOW MONITORING AND FLOW EVENT DIAGNOSIS
WO 2014209901 A2 20141231	NEST LABS INC	EFFICIENT COMMUNICATION FOR DEVICES OF A HOME NETWORK
WO 2015013216 A1 20150129	HUGHES NETWORK SYSTEMS LLC	SPACE-BASED AND MOBILE-TERRESTRIAL SENSOR VEHICLES AND NETWORK
WO 2015013670 A1 20150129	ALIGROWORKS USA INC	AUTOMATED PLANT GROWING SYSTEM
WO 2015006675 A2 20150115	BLUE RIVER TECHNOLOGY INC	METHOD FOR AUTOMATIC PHENOTYPE MEASUREMENT AND SELECTION

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REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2015036934 A1 20150319	BASF SE	PEST MONITORING SYSTEM AND METHOD
WO 2015028629 A1 20150305	ENERGIDATA APS	WATER LEAK DETECTION SYSTEM
WO 2015036266 A1 20150319	HERE GLOBAL BV	METHOD AND APPARATUS FOR DETECTING BOARDING OF A MEANS OF TRANSPORT
WO 2014207492 A1 20141231	BUDAI EGYETEM	MEASUREMENT DATA COLLECTION METHOD AND SYSTEM FOR SPATIALLY DETECTING ATMOSPHERE PROPERTIES
WO 2015000803 A1 20150108	KONINKL PHILIPS NV	A METHOD FOR OPERATING A COMMUNICATION DEVICE IN A COMMUNICATION NETWORK, A COMMUNICATION DEVICE, A LUMINAIRE EQUIPPED WITH SUCH COMMUNICATION DEVICE
WO 2015017366 A1 20150205	DIGITALGLOBE INC	AUTOMATIC GENERATION OF BUILT-UP LAYERS FROM HIGH RESOLUTION SATELLITE IMAGE DATA
WO 2015013294 A1 20150129	PECABU INC	METHOD AND SYSTEM FOR DEMOGRAPHIC, ENVIRONMENTAL, BUSINESS AND/OR OPERATIONAL INFORMATION COLLECTION AND PROCESSING
WO 2014197853 A1 20141211	ASTROLINK INTERNAT LLC C O LOCKHEED MARTIN CORP	A SYSTEM AND METHOD FOR INFERRING SCHEMATIC RELATIONSHIPS BETWEEN LOAD POINTS AND SERVICE TRANSFORMERS
WO 2015013249 A2 20150129	UNIV SAINT LOUIS	APPARATUS AND METHOD FOR PROVIDING ENVIRONMENTAL PREDICTIVE INDICATORS TO EMERGENCY RESPONSE MANAGERS
WO 2014205547 A1 20141231	REGULUS SOLUTIONS INC	METHODS AND DEVICES RELATING TO SOLID STATE LIGHTING

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REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2015039091 A1 20150319	LION GROUP INC	FIRE FIGHTING TRAINING SYSTEM WITH STEAM/SMOKE GENERATION
WO 2015038040 A1 20150319	ERICSSON TELEFON AB L M	METHOD AND MONITORING CENTRE FOR SUPPORTING SUPERVISION OF EVENTS
WO 2015038039 A1 20150319	ERICSSON TELEFON AB L M	METHOD AND MONITORING CENTRE FOR MONITORING OCCURRENCE OF AN EVENT
WO 2015042008 A2 20150326	MICROCHIP TECH INC	INITIATION OF CARBON MONOXIDE AND/OR SMOKE DETECTOR ALARM TEST USING IMAGE RECOGNITION AND/OR FACIAL GESTURING
WO 2014209169 A1 20141231	PANKRATEV NIKOLAI ALEKSANDROVICH	FIRE ALARM DEVICE FOR ONBOARD AUTOMATIC FIRE EXTINGUISHING SYSTEM
WO 2015025195 A1 20150226	INSIGHT ROBOTICS LTD	A METHOD OF DETERMINING THE LOCATION OF A POINT OF INTEREST AND THE SYSTEM THEREOF
WO 2015033106 A1 20150312	SPRUE SAFETY PRODUCTS LTD	HEAT DETECTOR
WO 2015009321 A1 20150122	NOKIA SIEMENS NETWORKS OY	NETWORK ASSISTED AUTOMATIC DISASTER TRIGGER TO ENABLE DEVICE-TO-DEVICE (D2D) AD HOC COMMUNICATION
WO 2015028688 A1 20150305	NEBUSENS S L	PLATFORM FOR QUICKLY DEVELOPING AND DEPLOYING WIRELESS SENSOR NETWORKS AND REAL-TIME LOCATION SYSTEMS
WO 2015009350 A1 20150122	LEEO INC	ELECTRONIC DEVICE WITH ENVIRONMENTAL MONITORING
WO 2015015227 A1 20150205	PROJECT FIRE PRODUCTS LTD	FIRE SUPPRESSION SYSTEM
WO 2015031180 A1 20150305	INFOSENSE INC	METHOD AND APPARATUS FOR VALVE POSITION STATE ESTIMATION
WO 2015026002 A1 20150226	SAMSUNG TECHWIN CO LTD	IMAGE MATCHING APPARATUS AND IMAGE MATCHING METHOD USING SAME
WO 2015009924 A1 20150122	GOOGLE INC	SYSTEMS AND METHODS FOR MULTI-CRITERIA ALARMING
WO 2015009940 A1 20150122	GOOGLE INC	SYSTEMS AND METHODS FOR PROCESSING ULTRASONIC INPUTS
WO 2015009908 A1 20150122	GOOGLE INC	BIFURCATED PROCESSOR HAZARD DETECTION SYSTEMS
WO 2015021428 A1 20150212	CNRY INC	SYSTEM AND METHODS FOR MONITORING AN ENVIRONMENT

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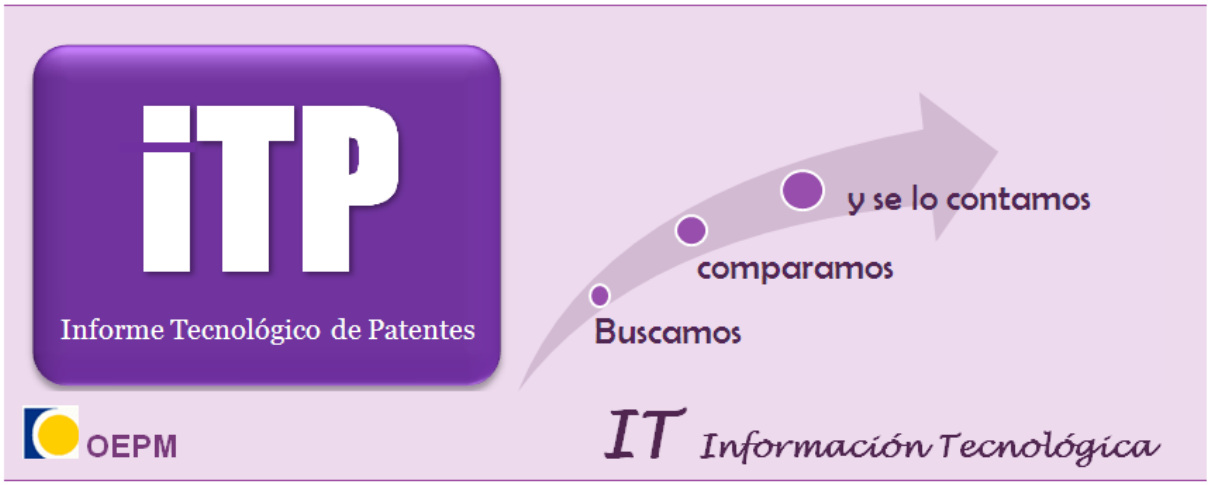
OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2015041850 A1 20150326	CONOCOPHILLIPS CO	METHOD FOR SYNCHRONIZING CONTINUOUS SEISMIC SURVEY
WO 2015032006 A1 20150312	SHABAH ABDO	ORTHOPEDIC SUPPORT DEVICE AND ASSOCIATED METHODS
WO 2015032054 A1 20150312	SH INFO TECH CO LTD	SENSOR, TELEMETER, REMOTE SENSOR SYSTEM, AND USE METHOD THEREFOR
WO 2015028794 A2 20150305	SUREFLAP LTD	PET FEEDERS
WO 2014202676 A1 20141224	ABB TECHNOLOGY AG	COMMISSIONING SYSTEM AND METHOD
WO 2015013369 A2 20150129	WELLAWARE HOLDINGS INC	MODELING POTENTIALLY HAZARDOUS SITES AND INFORMING ON ACTUAL HAZARDOUS CONDITIONS
WO 2015021469 A2 20150212	ICONTROL NETWORKS CANADA ULC	SYSTEM, METHOD AND APPARATUS FOR REMOTE MONITORING
WO 2014199729 A1 20141218	FUJI ELECTRIC CO LTD	DISTRIBUTION DEVICE, DISTRIBUTION SYSTEM, AND DISTRIBUTION METHOD
WO 2014207059 A1 20141231	CGG SERVICES SA	DIRECTIONAL SELF-BURYING SENSOR SYSTEM AND METHOD
WO 2015023221 A1 20150219	ERICSSON TELEFON AB L M	DISCLOSING AND CONTROLLING COLLECTION OF INFORMATION FROM ELECTRONIC DEVICES
WO 2015038894 A2 20150319	OLEA NETWORKS INC	PORTABLE WIRELESS MESH DEVICE
WO 2014209473 A2 20141231	RED LOTUS TECHNOLOGIES INC	SYSTEMS AND METHODS FOR MAPPING SENSOR FEEDBACK ONTO VIRTUAL REPRESENTATIONS OF DETECTION SURFACES
WO 2015005071 A1 20150115	SUMITOMO ELECTRIC INDUSTRIES	SENSOR INFORMATION PROCESSING DEVICE, SENSOR INFORMATION PROCESSING METHOD, AND SENSOR INFORMATION PROCESSING PROGRAM
WO 2015007611 A2 20150122	ALCATEL LUCENT	A CONTROL APPARATUS, AN APPLICATION APPARATUS, A DATA DETERMINATION APPARATUS, METHODS FOR COORDINATING STORAGE, FOR PROCESSING A DATA PACKET, AND FOR DETERMINING A DATA PACKET, AND COMPUTER PROGRAMS
WO 2015024118 A1 20150226	ILLUSENSE INC	SYSTEMS AND METHODS FOR OPTICAL SCANNING OF FLUID TRANSPORT PIPELINES
WO 2015001657 A1 20150108	FUJITSU LTD	DATA NETWORK MANAGEMENT SYSTEM, DATA NETWORK MANAGEMENT DEVICE, DATA PROCESSING DEVICE, AND DATA NETWORK MANAGEMENT METHOD
WO 2015003315 A1 20150115	HUA ZHONG UNIVERSITY OF SCIENCE TECHNOLOGY	DATA COLLECTION IN WIRELESS SENSOR NETWORK
WO 2015027406 A1 20150305	HUAWEI TECH CO LTD	METHOD AND APPARATUS FOR SELECTING PREFERRED PARENT NODE IN WIRELESS SENSOR NETWORK
WO 2015009981 A1 20150122	HUGHES NETWORK SYSTEMS LLC	SYSTEM AND ARCHITECTURE FOR SPACE-BASED AND MOBILE TERRESTRIAL SENSOR VEHICLES
WO 2015009138 A2 20150122	MIMOS BERHAD	A SYSTEM AND METHOD FOR MANAGING SLEEPING MODE OF WIRELESS NODES IN A WIRELESS SENSOR NETWORK
WO 2015015562 A1 20150205	HITACHI LTD	WIRELESS DATA COLLECTION SYSTEM, AND WIRELESS DATA COLLECTION METHOD
WO 2015017628 A1 20150205	SMITHS DETECTION INC	DYNAMIC SENSOR DRIVER LOADING OVER A WIRELESS NETWORK
WO 2015020680 A1 20150212	THERM O DISC INC	WIRELESS TEMPERATURE AND/OR HUMIDITY SENSOR ASSEMBLY
WO 2015006628 A1 20150115	ROSTAMI RAMIN	MONITORING SYSTEM, APPARATUS AND METHOD
WO 2015015864 A1 20150205	HITACHI SOLUTIONS LTD	SENSOR DATA COLLECTION SYSTEM
WO 2015016941 A1 20150205	HALLIBURTON ENERGY SERV INC	FIBER OPTIC BASED MAGNETIC SENSING APPARATUS, SYSTEMS, AND METHODS

WO 2015012793 A1 20150129	HEWLETT PACKARD DEVELOPMENT CO	PRESENTING DATA IN A SCALABLE FORMAT
WO 2015014229 A1 20150205	AMBI LABS LTD	CLIMATE CONTROLLER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