

Boletín VT

REDES DE SENSORES INALÁMBRICAS

19

3.^{er} trimestre 2014

Vigilancia Tecnológica

Desde su aparición, los campos de aplicación de las redes de sensores inalámbricos 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:

- Redes de sensores para entornos agrícolas
- Redes de sensores para entornos urbanos o públicos
- Redes de sensores para detectar incendios
- 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.

REDES DE SENSORES PARA ENTORNOS AGRÍCOLAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2014130179 A1 20140828	DEERE & CO	PER PLANT CROP SENSING RESOLUTION
WO 2014130523 A1 20140828	DEERE & CO	CROP SENSING
WO 2014124273 A1 20140814	IBMS LLC	INTELLIGENT MANAGEMENT AND COMPLIANCE VERIFICATION IN DISTRIBUTED WORK FLOW ENVIRONMENTS
WO 2014124435 A1 20140814	CREATIVE SENSOR TECHNOLOGY INC	METHODS AND SYSTEMS FOR IMPROVED IRRIGATION SENSOR AND CONTROL COMMUNICATION
WO 2014130466 A1 20140828	TRIMBLE NAVIGATION LTD	MOISTURE SENSING WATERING SYSTEM
WO 2014083366 A1 20140605	SPEISER FERENC DEZS	APPARATUS AND METHOD FOR ENHANCING OPERATIONAL SAFETY AND EFFECTIVENESS OF CROSS-FLOW GRAIN DRYERS
WO 2014078584 A1 20140522	REVIVE ELECTRONICS LLC	METHODS AND APPARATUSES FOR DETECTING MOISTURE
WO 2014088403 A1 20140612	MIMOS BERHAD	A RESISTIVE GAS SENSOR DEVICE
WO 2014091365 A1 20140619	UNIVERSIT DEGLI STUDI DI ROMA LA SAPIENZA	MONITORING SYSTEM
WO 2014098579 A1 20140626	STICHTING DIENST LANDBOUWKUNDI	CRAWLING INSECT COUNTING DEVICE, SYSTEM AND METHOD FOR INDICATING CRAWLING INSECT INFESTATION AND DETERMINING A MOMENT FOR TREATMENT AND/OR CONTROL OF SAID INSECTS
WO 2014115069 A1 20140731	CARTASENSE LTD	SYSTEMS AND METHODS FOR MONITORING SILO BAGS AND THEIR CONTENTS
WO 2014085332 A1 20140605	CHAN ALISTAIR K	METHODS FOR MODULATING PHOTOSYNTHETIC ACTIVITY
WO 2014097138 A1 20140626	KONINKL PHILIPS NV	A HORTICULTURE LIGHTING INTERFACE FOR INTERFACING AT LEAST ONE LIGHTING SYSTEM
WO 2014105930 A1 20140703	AGCO CORP	ASSIGNING PLANNED COOPERATIVELY COVER AREA PATHS TO MULTIPLE MACHINES
WO 2014101032 A1 20140703	LI YAN	SYSTEM FOR CONTROLLING FARMLAND IRRIGATION THROUGH MOBILE TERMINAL
WO 2014101034 A1 20140703	LI YAN	REMOTE CONTROL FARMLAND IRRIGATION SYSTEM
WO 2014098735 A1 20140626	HELIOSPECTRA AB	METHOD AND ILLUMINATION SYSTEM FOR PLANT RECOVERY FROM STRESS
WO 2014073985 A1 20140515	LANDCARE RES NEW ZEALAND LTD	A METHOD AND SYSTEM FOR AUTOMATED DIFFERENTIAL IRRIGATION

[...ver más](#)

REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2014134521 A1 20140904	TRICORN TECH TAIWAN	REAL-TIME ON-SITE GAS ANALYSIS NETWORK FOR AMBIENT AIR MONITORING AND ACTIVE CONTROL AND RESPONSE
WO 2014092503 A1 20140619	SAMSUNG ELECTRONICS CO LTD	METHOD AND APPARATUS FOR CONTROLLING DEVICES IN HOME NETWORK SYSTEM
WO 2014128162 A2 20140828	LIGHTING INTELLIGENCE S L	LIGHTING DEVICE AND METHOD FOR MANAGING A LIGHTING SYSTEM
WO 2014130815 A2 20140828	UNIV OHIO	REDUCTION OF SENSOR CAPTURED DATA STREAMED TO AN OPERATOR
WO 2014106788 A1 20140710	KONINKL PHILIPS NV	DELEGATED CHANNEL SWITCHING FOR MESH-TYPE NETWORKS
WO 2014108786 A1 20140717	KONINKL PHILIPS NV	OPTIMIZING MESSAGE FORWARDING IN A WIRELESS MESH NETWORK
WO 2014114470 A1 20140731	ENEVO OY	SENSOR DEVICE FOR REMOTE MONITORING
WO 2014116635 A1 20140731	OPOWER INC	METHOD AND SYSTEM TO CONTROL THERMOSTAT USING BIOFEEDBACK
WO 2014114772 A1 20140731	ODG TECHNOLOGIES LTD	A SYSTEM AND METHOD FOR THE DETECTION OF A TERRORIST THREAT
WO 2014082646 A1 20140605	EL-ALFY SABRY ABDO	AN INTELLIGENT ENERGY SAVING LIGHTING DEVICE
WO 2014091314 A2 20140619	WEATHER TELEMATICS INC	DATA COLLECTION METHOD AND APPARATUS
WO 2014108815 A2 20140717	KONINKL PHILIPS NV	LIGHTING CONTROL ANALYZER
WO 2014113394 A1 20140724	HEATWURX INC	SENSING AND MANAGING POTHOLE LOCATION AND CHARACTERISTICS
WO 2014107733 A2 20140710	HUAWEI TECH CO LTD	CONTEXTUALIZED INFORMATION BUS
WO 2014110419 A1 20140717	INTEL CORP	AGGREGATING AND PROCESSING DISTRIBUTED DATA ON ULTRA-VIOLET (UV) EXPOSURE MEASUREMENT
WO 2014116964 A1 20140731	TT GOVERNMENT SOLUTIONS INC	METHOD AND SYSTEM FOR VISUALIZING AND ANALYZING A FIELD AREA NETWORK
WO 2014115039 A2 20140731	AQUARIUS SPECTRUM LTD	METHOD AND APPARATUS FOR DETECTING LEAKS IN A PIPELINE NETWORK
WO 2014110502 A1 20140717	UNIV MICHIGAN	MONITORING PROXIMITY OF OBJECTS AT CONSTRUCTION JOBSITES VIA THREE-DIMENSIONAL VIRTUALITY IN REAL-TIME
WO 2014113872 A1 20140731	CIRCUITMETER INC	SYSTEM AND METHOD FOR MONITORING AN ELECTRICAL NETWORK
WO 2014092918 A1 20140619	IBM	TECHNIQUES FOR ITERATIVE REDUCTION OF UNCERTAINTY IN WATER DISTRIBUTION NETWORKS
WO 2014121250 A2 20140807	INOVA LTD	CONFIGURABLE ACQUISITION UNIT
WO 2014109540 A1 20140717	LG INNOTEK CO LTD	SENSOR MODULE AND METHOD FOR OPERATING THE SAME
WO 2014110199 A1 20140717	MACHUGA DAVID W	WELL WATER AND AQUIFER QUALITY MEASUREMENT AND ANALYSIS SYSTEM
WO 2014111752 A1 20140724	TELEMETRIA IND TELEMETRIK S A S	SMART PHOTOCCELL FOR THE REMOTE MANAGMENT AND CONTROL OF PUBLIC LIGHTING SYSTEMS
WO 2014100757 A1 20140626	LUTRON ELECTRONICS CO	NETWORK ACCESS COORDINATION OF LOAD CONTROL DEVICES
WO 2014075070 A2 20140515	SIELOX LLC	EMERGENCY NOTIFICATION SYSTEM AND METHODS

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REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2014073970 A2 20140515	EXXFIRE B V	METHOD AND SYSTEM TO AVOID FIRE OF AN ELECTRICAL DEVICE
WO 2014083235 A1 20140605	MARIOFF CORP OY	INTELLIGENT SPRINKLER SYSTEM SECTION VALVE
WO 2014096693 A2 20140626	CENTRE NAT RECH SCIENT	OPTICAL MEASUREMENT OF A TEMPERATURE OF AN OBJECT, AND ASSOCIATED CARTOGRAPHY
WO 2014128480 A2 20140828	CAMBRIDGE SMART MONITORING SOLUTIONS LTD	SYSTEM AND METHOD FOR CONTROLLING ACTIVE DEVICES
WO 2014096747 A1 20140626	FINSECUR	DEVICE FOR CONFIGURING A FIRE-DETECTION SYSTEM
WO 2014076349 A1 20140522	MARIOFF CORP OY	SOUND AND LIGHT INTENSITY PROFILE ANALYSIS FOR FIRE LOCATION DETECTION
WO 2014078079 A2 20140522	WILDFIRE DEFENSE SYSTEMS INC	WILDFIRE RISK ASSESSMENT
WO 2014089249 A1 20140612	HORNE STEPHEN J	FLUID FLOW DETECTION AND ANALYSIS DEVICE AND SYSTEM

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OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2014128512 A1 20140828	WFS TECHNOLOGIES LTD	POWER SAVING MECHANISM FOR USE IN AN UNDERWATER COMMUNICATION NETWORK
WO 2014135603 A1 20140912	HUSQVARNA AB	ENERGY HARVESTING WIRELESS SENSOR NETWORK
WO 2014107435 A1 20140710	SYMANTEC CORP	SYSTEMS AND METHODS FOR ENFORCING DATA-LOSS-PREVENTION POLICIES USING MOBILE SENSORS
WO 2014108851 A1 20140717	UNIVERSIT DEGLI STUDI DI TORINO	SYSTEM FOR SIGNALLING DANGER WARNINGS ARISING FROM EXPOSURE OF A SUBJECT TO ATMOSPHERIC POLLUTANTS, AND CORRESPONDING METHOD AND MOBILE DEVICE
WO 2014114344 A1 20140731	ABB RESEARCH LTD	A METHOD FOR PROVIDING RELIABLE WIRELESS COMMUNICATION IN A WIRELESS SENSOR NETWORK
WO 2014127240 A1 20140821	QUALCOMM INC	METHOD AND APPARATUS FOR DETERMINING A CHANGE IN POSITION OF A LOCATION MARKER
WO 2014131428 A1 20140904	SIEMENS AG	METHOD FOR GENERATING A TIME STAMP IN A WIRELESS SENSOR NETWORK
WO 2014088597 A1 20140612	LEVEL 3 COMMUNICATIONS LLC	SYSTEM AND METHODS FOR OBTAINING UBIQUITOUS NETWORK COVERAGE
WO 2014092799 A1 20140619	INTEL CORP	TECHNIQUES AND APPARATUS TO MANAGE POWER IN WIRELESS DEVICE
WO 2014116152 A1 20140731	ERICSSON TELEFON AB L M	COMMUNICATION APPARATUS, CONTROL METHOD THEREOF, COMPUTER PROGRAM THEREOF, RELAYING APPARATUS, CONTROL METHOD THEREOF, COMPUTER PROGRAM THEREOF
WO 2014093882 A1 20140619	TEXAS INSTRUMENTS INC	WIRELESS POWERED IC CARD FOR SENSOR DATA ACQUISITION
WO 2014110024 A1 20140717	FAIRFIELD IND INC	SIMULTANEOUS SHOOTING NODAL ACQUISITION SEISMIC SURVEY METHODS
WO 2014116366 A1 20140731	GOVERNMENT OF THE US SECRETARY OF THE NAVY	SYSTEM AND METHOD FOR BIO-OPTICAL ENVIRONMENTAL RECONNAISSANCE
WO 2014073040 A1 20140515	FUJITSU LTD	NETWORK DEVICE AND TRANSMISSION PROGRAM
WO 2014100754 A1 20140626	HUNTER ROBERT	METHODS AND SYSTEMS FOR A POWER FIREWALL
WO 2014100027 A2 20140626	NEOTEK ENERGY INC	SYSTEM AND METHOD FOR PRODUCTION RESERVOIR AND WELL MANAGEMENT USING CONTINUOUS CHEMICAL MEASUREMENT
WO 2014116776 A1 20140731	WESTERNGECO LLC	SEISMIC DATA ACQUISITION USING WATER VEHICLES
WO 2014099053 A1 20140626	HALLIBURTON ENERGY SERV INC	REMOTE SENSING METHODS AND SYSTEMS USING NONLINEAR LIGHT CONVERSION AND SENSE SIGNAL TRANSFORMATION
WO 2014099786 A1 20140626	WESTERNGECO LLC	MEMS-BASED ROTATION SENSOR FOR SEISMIC APPLICATIONS AND SENSOR UNITS HAVING SAME
WO 2014117371 A1 20140807	SIEMENS AG	PROCESS CONTROL METHOD, DEVICE, AND SYSTEM
WO 2014127189 A1 20140821	UNIV CARNEGIE MELLON	DYNAMIC REAL-TIME TV WHITE SPACE AWARENESS
WO 2014073098 A1 20140515	FUJITSU LTD	ASSESSMENT METHOD AND SYSTEM
WO 2014083236 A1 20140605	METSO AUTOMATION OY	MULTI-CHANNEL SENSOR MEASUREMENT METHOD AND SYSTEM
WO 2014105893 A1 20140703	ICT RES LLC	MOBILITY EXTENSIONS TO INDUSTRIAL-STRENGTH WIRELESS SENSOR NETWORKS
WO 2014116220 A1 20140731	HEWLETT PACKARD DEVELOPMENT CO	CONDUCTING A SENSOR NETWORK SURVEY

WO 2014120164 A1 20140807	HEWLETT PACKARD DEVELOPMENT CO	ANTENNA SUPPORT SYSTEM ALIGNMENT
WO 2014118540 A2 20140807	SENCEIVE LTD	A SENSOR DEVICE WITH A TILT METER, WIRELESS COMMUNICATION FACILITY AND MAGNETIC FIXING
WO 2014120131 A1 20140807	HEWLETT PACKARD DEVELOPMENT CO	PRESENTING INFORMATION FROM MULTIPLE SENSORS
WO 2014084973 A1 20140605	TCHORYK PETER	ATMOSPHERIC MEASUREMENT SYSTEM
WO 2014087531 A1 20140612	FUJITSU LTD	COMMUNICATION DEVICE, SYSTEM, AND COMMUNICATION METHOD
WO 2014109710 A1 20140717	SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN	A DISTRIBUTED WIRELESS SENSING SYSTEM
WO 2014080564 A1 20140530	PANASONIC CORP	NETWORK SYSTEM
WO 2014109776 A1 20140717	SCHNEIDER ELECTRIC USA INC	MONITORING LOAD OPERATION
WO 2014072830 A2 20140515	KING ABDULIAH UNIVERSITY OF SCIENCE AND TECHNOLOGY	AN IMPROVED CHANNEL ASSESSMENT SCHEME
WO 2014103267 A1 20140703	PANASONIC CORP	RECEIVING APPARATUS AND DEMODULATION METHOD
WO 2014102948 A1 20140703	FUJITSU LTD	INFORMATION PROCESSING METHOD, COMMUNICATION METHOD, COMMUNICATION NODES, SYSTEM, AND INFORMATION PROCESSING PROGRAM
WO 2014076667 A1 20140522	UNIV IND DE SANTANDER	ELECTRONIC SYSTEM FOR THE ON-LINE DETECTION AND MONITORING OF THE GROWTH / DEATH OF CELLS IN A CULTURE

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