

Boletín VT

REDES DE SENSORES INALÁMBRICAS

17

1.º 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 2014025721 A1 20140213	CTB INC	GRAIN BIN CAPACITIVE MOISTURE SENSOR SYSTEM
WO 2014031127 A1 20140227	QUALCOMM INC	RAPID NETWORK ACQUISITION AND OVERHEAD MESSAGE STORAGE FOR MACHINE-TO-MACHINE DEVICES
WO 2014025629 A1 20140213	CTB INC	GRAIN BIN CAPACITIVE MOISTURE SENSOR SYSTEM AND METHOD
WO 2014035949 A1 20140306	DICKEY JOHN	SEED SENSOR WITH LIGHTPIPE PHOTODETECT ASSEMBLY
WO 2014014850 A2 20140123	GREEN BADGE LLC	DATA COLLECTION NETWORK FOR AGRICULTURE AND OTHER APPLICATIONS
WO 2013178774 A1 20131205	RAIN CONTROL AS S	A TWO-WIRE CONTROLLING AND MONITORING SYSTEM FOR IN PARTICULAR IRRIGATION OF LOCALIZED AREAS OF SOIL
WO 2014026183 A2 20140213	PREC PLANTING LLC	SYSTEMS AND METHODS FOR CONTROL, MONITORING AND MAPPING OF AGRICULTURAL APPLICATIONS
WO 2013186651 A1 20131219	KONINKL PHILIPS NV	ILLUMINATION SYSTEM FOR CULTIVATION OF AQUATIC ANIMALS
WO 2014018717 A1 20140130	PREC PLANTING LLC	SYSTEMS, METHODS AND APPARATUS FOR MULTI-ROW AGRICULTURAL IMPLEMENT CONTROL AND MONITORING
WO 2014014744 A1 20140123	GREEN BADGE LLC	SPECIALTY PLANT MOISTURE SENSING
WO 2014005099 A1 20140103	WELLINTEL INC	WELL HEAD WATER LEVEL SENSOR

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REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2014016729 A1 20140130	KONINKL PHILIPS NV	SENSING INFORMATION SERVICE AND ITS USE IN URBAN SERVICE PLANNING SYSTEM
WO 2014024209 A1 20140213	TATA CONSULTANCY SERVICES LTD	A SYSTEM AND METHOD FOR MEASURING THE CROWDEDNESS OF PEOPLE AT A PLACE
WO 2014035308 A1 20140306	SCA HYGIENE PROD AB	A SYSTEM AND A METHOD FOR DATA COLLECTION AND MONITORING OF A DEFINED SPACE
WO 2014035307 A1 20140306	SCA HYGIENE PROD AB	A DATA COLLECTION AND MONITORING SYSTEM AND METHOD
WO 2014014996 A1 20140123	PROCTER & GAMBLE	HOME NETWORK OF CONNECTED CONSUMER DEVICES
WO 2014026755 A2 20140220	ALCATEL LUCENT	WIRELESS SENSING DEVICE AND METHOD
WO 2013186067 A1 20131219	UNIV DANMARKS TEKNISKE	LIGHTING SYSTEM WITH ILLUMINANCE CONTROL
WO 2014006264 A1 20140109	NOKIA CORP	METHOD AND APPARATUS FOR SENSOR DATA PROCESSING
WO 2014027222 A1 20140220	NOKIA CORP	METHODS AND APPARATUS FOR DEVICE INFORMATION SHARING
WO 2013182982 A2 20131212	KONINKL PHILIPS NV	A METHOD FOR PROVIDING PRIVACY PROTECTION IN NETWORKED LIGHTING CONTROL SYSTEMS
WO 2014014999 A1 20140123	4THE PROCTER & GAMBLE COMPANY 1	HOME NETWORK OF CONNECTED CONSUMER DEVICES
WO 2013188536 A1 20131219	SENSITY SYSTEMS INC	LIGHTING INFRASTRUCTURE AND REVENUE MODEL
WO 2014014997 A2 20140123	PROCTER & GAMBLE	SYSTEMS AND METHODS FOR NETWORKING CONSUMER DEVICES

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REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2014028359 A1 20140220	PRIMAIRA LLC	DEVICE AND METHOD FOR COOKTOP FIRE MITIGATION
WO 2014039387 A1 20140313	INTERDIGITAL PATENT HOLDINGS	METHOD AND APPARATUS FOR USING MULTIPLE UNIVERSAL RESOURCE IDENTIFIERS IN M2M COMMUNICATIONS
WO 2014035432 A2 20140306	NEST LABS INC	DYNAMIC DISTRIBUTED-SENSOR NETWORK FOR FORECASTING EXTERNAL EVENTS
WO 2013183019 A1 20131212	SMIEDT LESLIE	FIRE EXTINGUISHERS AND FIRE FIGHTING SYSTEM
WO 2014016625 A2 20140130	IGNAC IGOR	TELEMETRIC HYDRANT FOR MEASURING, COLLECTING AND WIRELESS TRANSFER OF MEASURED VALUES TO THE DATABASE ON THE REMOTE COMPUTER
WO 2014033921 A1 20140306	FENWAL CONTROLS OF JAPAN LTD	LIGHT EMITTING UNIT AND PHOTOELECTRIC SMOKE DETECTOR, AND SUCTION-TYPE SMOKE DETECTION SYSTEM
WO 2014022533 A1 20140206	LION APPAREL INC	FIREFIGHTER TRAINING DEVICE

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2014033093 A2 20140306	KOC UNIVERSITESI	A METHOD FOR GENERATING A TIME TABLE FOR SENSORS
WO 2014032721 A1 20140306	ABB RESEARCH LTD	FAST FREQUENCY HOPPING ADAPTED TO THE ENVIRONMENT
WO 2014033748 A2 20140306	MANJREKAR VAISHALI NITIN	A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR SENDING/RECEIVING INFORMATION TO/FROM USERS
WO 2013185738 A2 20131219	ZTE CORP	POWER CONTROL METHOD AND DEVICE FOR WIRELESS BODY AREA NETWORK SENSOR NODE
WO 2014022296 A1 20140206	CISCO TECH INC	ROUTING USING CACHED SOURCE ROUTES FROM MESSAGE HEADERS
WO 2014022302 A1 20140206	CISCO TECH INC	MULTICAST GROUP ASSIGNMENT USING PROBABILISTIC APPROXIMATIONS
WO 2014030186 A1 20140227	FUJITSU LTD	RELAY DEVICE, RELAY METHOD, RELAY PROGRAM AND RELAY SYSTEM
WO 2014033499 A1 20140306	NOKIA CORP	DECISION MAKING BASED ON REMOTE OBSERVATION OF NODE CAPABILITIES
WO 2014022438 A1 20140206	TREEFROG DEVELOPMENTS INC	ATHLETIC MONITORING
WO 2013184894 A1 20131212	HARRIS CORP	WIRELESS ENGINE MONITORING SYSTEM AND ASSOCIATED ENGINE WIRELESS SENSOR NETWORK
WO 2014033866 A1 20140306	FUJITSU LTD	COMMUNICATION DEVICE, SYSTEM, AND COMMUNICATION METHOD
WO 2013184924 A1 20131212	HARRIS CORP	WIRELESS ENGINE MONITORING SYSTEM AND CONFIGURABLE WIRELESS ENGINE SENSORS
WO 2014037779 A1 20140313	ALCATEL LUCENT	END-TO-END COMMUNICATION IN SENSOR NETWORK
WO 2014016912 A1 20140130	FUJITSU LTD	COMMUNICATION DEVICE, SYSTEM AND COMMUNICATION METHOD
WO 2013186640 A2 20131219	LUNDY DOUGLAS H	THREAT DETECTION SYSTEM AND METHOD
WO 2014022705 A1 20140206	RES TRIANGLE INST INTERNAT	LOCATION OF SENSORS IN WELL FORMATIONS
WO 2014036481 A1 20140306	MASTENBROOK BRIAN E	METHOD AND SYSTEM FOR WIRELESS DEVICES TO DISCOVER AND CONNECT TO OTHER DEVICES

WO 2013179273 A1 20131205	LANDAUER INC	WIRELESS, MOTION AND POSITION-SENSING, INTEGRATING RADIATION SENSOR FOR OCCUPATIONAL AND ENVIRONMENTAL DOSIMETRY
WO 2014005754 A1 20140109	ABB RESEARCH LTD	DETERMINATION OF COMMUNICATION ROUTES IN A WIRELESS COMMUNICATION NETWORK
WO 2014014761 A1 20140123	CODE ON NETWORK CODING LLC	DETERMINISTIC DISTRIBUTED NETWORK CODING
WO 2014025344 A2 20140213	EMPIRE TECHNOLOGY DEV LLC	REAL-TIME COMPRESSIVE DATA COLLECTION FOR CLOUD MONITORING
WO 2014016922 A1 20140130	FUJITSU LTD	DATA PROCESSING DEVICE, DATA PROCESSING SYSTEM, AND DATA PROCESSING METHOD
WO 2014016471 A1 20140130	NOKIA CORP	METHOD AND APPARATUS FOR PARTICIPATORY SENSING DATA COLLECTION
WO 2014007417 A1 20140109	ASN INC	METHOD OF CONTROLLING SENSOR TAG IN WIRELESS SENSOR NETWORK
WO 2014011343 A1 20140116	VITAL CONNECT INC	CALIBRATION OF A CHEST-MOUNTED WIRELESS SENSOR DEVICE FOR POSTURE AND ACTIVITY DETECTION
WO 2013192577 A1 20131227	NAT INST OF AEROSPACE	SYSTEMS, APPARATUSES, AND METHODS FOR TRANSPARENT AND UBIQUITOUS SENSING TECHNOLOGY
WO 2014009178 A1 20140116	ABB RESEARCH LTD	METHOD AND SENSOR NODE NETWORK INTERFACE SYSTEM FOR WIRELESS CONTROL OF AN INDUSTRIAL PROCESS
WO 2014008376 A2 20140109	SCS FOREST PRODUCTS INC	WIRELESS IN-KILN MOISTURE SENSOR AND SYSTEM FOR USE THEREOF
WO 2014010436 A1 20140116	MURATA MANUFACTURING CO	SENSOR TAG AND SENSOR NETWORK SYSTEM
WO 2014016780 A2 20140130	FIGJAM LOOPS HOLDINGS PTY LTD	SOCIAL MEDIA ACCESSORY, SYSTEM AND METHOD

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