

Boletín VT

REDES DE SENSORES INALÁMBRICAS

11

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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
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WO2012122563 A1	AGCO CORP [US] et al.	REMOTE WEATHER SENSING FOR HARVESTING CONDITIONS
WO2012122050 A2	PURESENSE ENVIRONMENTAL INC [US], FREY MICHELLE M [US]	SYSTEMS, DEVICES, AND METHODS FOR ENVIRONMENTAL MONITORING IN AGRICULTURE
WO2012115974 A1	ROUX JAC LE [US]	A METHOD FOR DETERMINING THE MAGNITUDE OF AN IRRIGATION EVENT IN A SECTION OF SOIL, AND RELATED SYSTEMS
WO2012101546 A1	BASF PLANT SCIENCE CO GMBH [DE] et al.	SYSTEM FOR MONITORING GROWTH CONDITIONS OF PLANTS
WO2012101513 A1	ALCATEL LUCENT [FR] et al.	MOBILITY MANAGEMENT METHOD AND DEVICE FOR IPV6 OVER LOW POWER WIRELESS PERSONAL AREA NETWORK
WO2012100773 A1	WEBSTECH APS [DK], GREEN OLE [DK]	CONTROLLER FOR A WIRELESS SENSOR AND METHOD FOR DETERMINING THE LOCATION OF A WIRELESS SENSOR IN A BIOMASS
WO2012097275 A2	HORSE SENSE SHOES LLC [US] et al.	SHOE SENSOR SYSTEM
WO2012091990 A1	DOW AGROSCIENCES LLC [US] et al.	SPRAY DRIFT SYSTEMS AND METHODS INCLUDING AN INPUT DEVICE
WO2012078918 A2	BAYER CROPSCIENCE LP [US] et al.	SEED TREATMENT FACILITIES, METHODS, AND APPARATUS
WO2012078054 A1	DAIRY AUTOMATION LTD [NZ], THOMPSON WILLIAM STANLEY [NZ]	DETECTION APPARATUS FOR THE MONITORING OF MILKING ANIMALS
WO2012078024 A1	MIMOS BERHAD [MY] et al.	THERMOELECTRIC GENERATOR FOR SOIL SENSOR MOTE

[...ver más](#)

REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2012120122 A1	UNIV BRUXELLES [BE] et al.	METHOD FOR DETERMINING SUSPENDED MATTER LOADS CONCENTRATIONS IN A LIQUID
WO2012112799 A2	SMITH DAVID RANDOLPH [US]	CONDUIT ASSEMBLY AND METHOD OF MAKING AND USING SAME
WO2012110785 A1	GO SCIENCE LTD [GB], GOSLING HARRY GEORGE DENNIS [GB]	ANNULAR SEISMIC SENSOR NODE
WO2012105847 A1	SALSNES FILTER AS [NO], STOROE SVEIN [NO]	SYSTEM AND METHOD FOR THE TREATMENT OF MUNICIPAL AND INDUSTRIAL WASTEWATER AND SLUDGE
WO2012099588 A1	GALTRONICS TELEMETRY INC [US] et al.	SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR DETECTING AND MONITORING UTILITY CONSUMPTION
WO2012097495 A1	WU FENG [CN]	LED STREET LAMP WITH ADJUSTABLE ILLUMINATION ANGLE
WO2012092609 A2	SENSYS NETWORKS INC [US]	WIRELESS AND WIRELINE SENSOR NODES, MICRO-RADAR, NETWORKS AND SYSTEMS
WO2012092509 A1	INFORMATION DATA TECHNOLOGIES LLC [US] et al.	SATELLITE-BASED LOW POWER RESOURCE METER READING SYSTEMS AND METHODS
WO2012090492 A1	TOSHIBA KK [JP] et al.	PROCESS MONITORING AND DIAGNOSIS SYSTEM
WO2012090235 A1	GEOTECHNOS S R L [IT] et al.	INTEGRATED METHOD AND SYSTEM FOR DETECTING AND ELABORATING ENVIRONMENTAL AND TERRESTRIAL DATA
WO2012084409 A1	GRUNDFOS MANAGEMENT AS [DK], BENTJEN ANDERS [DK]	MONITORING SYSTEM
WO2012082120 A1	HEWLETT PACKARD DEVELOPMENT CO [US] et al.	SYSTEM, ARTICLE, AND METHOD FOR ANNOTATING RESOURCE VARIATION
WO2012080553 A1	URBE INTELLIGENT S L [ES] et al.	SYSTEM FOR MANAGING LIGHTS IN URBAN ENVIRONMENTS
WO2012066548 A1	HIGH CHECK CONTROL LTD [IL] et al.	SENSOR SYSTEM

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REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2012119253 A1	HOME MONITOR INC [CA] et al.	AREA MONITORING METHOD AND SYSTEM
WO2012115881 A1	FLIR SYSTEMS [US] et al.	INFRARED SENSOR SYSTEMS AND METHODS
WO2012115878 A1	FLIR SYSTEMS [US] et al.	INFRARED SENSOR SYSTEMS AND METHODS
WO2012108450 A1	PANASONIC CORP [JP] et al.	WIRELESS DEVICE AND WIRELESS COMMUNICATION SYSTEM
WO2012107927 A1	OTUSNET LTD [IL] et al.	SYSTEM AND METHOD FOR FOREST FIRE CONTROL
WO2012105614 A1	PANASONIC CORP [JP] et al.	WIRELESS COMMUNICATION SYSTEM
WO2012101098 A1	SIEMENS AG [DE] et al.	METHOD AND DEVICE FOR POSITIONING A TRAPPED INDIVIDUAL IN CASE OF EMERGENCY

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
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WO2012122223 A1	CISCO TECH INC [US] et al.	REMOTE STITCHED DIRECTED ACYCLIC GRAPHS
WO2012121614 A1	AUCKLAND UNIVERSIVES LTD [NZ] et al.	SYSTEMS AND METHODS FOR POWER EFFICIENT DATA COMMUNICATIONS IN WIRELESS SENSOR NETWORKS
WO2012121544 A2	SAMSUNG ELECTRONICS CO LTD [KR]	WIRELESS NETWORK SYSTEM, WIRELESS DEVICE, AND NETWORK REGISTRATION METHOD OF THE WIRELESS DEVICE
WO2012116483 A1	RENESAS MOBILE CORP [JP] et al.	MULTIMODE USER EQUIPMENT ACCESSING WIRELESS SENSOR NETWORK
WO2012115764 A1	FEDEX CORPORATE SERVICES INC [US] et al.	SYSTEMS AND METHODS FOR RULE-DRIVEN MANAGEMENT OF SENSOR DATA ACROSS GEOGRAPHIC AREAS AND DERIVED ACTIONS
WO2012115761 A1	FEDEX CORPORATE SERVICES INC [US] et al.	SYSTEMS AND METHODS FOR AUTHENTICATING DEVICES IN A SENSOR-WEB NETWORK
WO2012115353 A2	SNU R&DB FOUNDATION [KR] et al.	SELF-CONFIGURATION SYSTEM OF WIRELESS SENSOR NETWORK AND METHOD FOR SELF-CONFIGURING WIRELESS SENSOR NETWORK USING SAME
WO2012113014 A1	JOELMAR PTY LTD [AU] et al.	SURVIVAL AND LOCATION ENHANCEMENT GARMENT AND HEADGEAR
WO2012103403 A1	CISCO TECH INC [US] et al.	AGGREGATING SENSOR DATA
WO2012103400 A1	CISCO TECH INC [US] et al.	A HIERARCHICAL NETWORK FOR COLLECTING, AGGREGATING, INDEXING, AND SEARCHING SENSOR DATA
WO2012097935 A1	ALCATEL LUCENT [FR] et al.	METHOD AND TRANSMITTER ELEMENT FOR TRANSMITTING CHANNEL INFORMATION FOR LINK ADAPTATION, METHOD AND RECEIVER ELEMENT FOR RECEIVING THE CHANNEL INFORMATION
WO2012097423 A1	PAPACHRISTOS CATERINA [CA]	BUSINESS TO BUSINESS TO SHARED COMMUNITIES SYSTEM AND METHOD
WO2012095860 A2	TATA CONSULTANCY SERVICES LIMITE [IN], UKIL ARIJIT [IN]	METHOD AND SYSTEM FOR TRUST MANAGEMENT IN DISTRIBUTED COMPUTING SYSTEMS
WO2012094759 A1	IBM [US] et al.	WIRELESS SENSOR NETWORK INFORMATION SWARMING
WO2012092524 A2	HUMANCENTRIC PERFORMANCE INC [US] et al.	SYSTEMS AND METHODS FOR MONITORING AND PROCESSING BIOMETRIC DATA
WO2012089756 A1	DEUTSCHE POST AG [DE] et al.	RADIO INTERFACE

WO2012083512 A1	ALCATEL LUCENT SHANGHAI BELL [CN] et al.	METHODS AND APPARATUSES FOR COMMUNICATION IN A PERSONAL AREA NETWORK
WO2012083125 A1	CISCO TECH INC [US] et al.	INCREASED COMMUNICATION OPPORTUNITIES WITH LOW-CONTACT NODES IN A COMPUTER NETWORK
WO2012077847 A1	ASN INC [KR], KIM HYUNG JOON [KR]	COMMUNICATION METHOD IN WIRELESS SENSOR NETWORK
WO2012069950 A1	KONINKL PHILIPS ELECTRONICS NV [NL] et al.	SYSTEM AND METHOD FOR OPTIMIZING DATA TRANSMISSION TO NODES OF A WIRELESS MESH NETWORK