Boletín VT

REDES DE SENSORES INALÁMBRICAS

23

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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

Oficina Española de Patentes y Marcas
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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 2015134886	RAVEN IND INC	System and method for sensing an edge
WO 2015127397	BLUE RIVER TECHNOLOGY INC	System and method for automated odometry calibration for precision algriculture systems
WO 2015127228	PROTEQUUS LLC	Mobile animal surveillance and distress monitoring
WO 2015131166	PLYMILL CLAYTON L	Control system used for precision agriculture and method of use
WO 2015133244	YANMAR CO LTD	Remote communication terminal device
WO 2015084669	UNIV MICHIGAN STATE	Ultrasonic communication system
WO 2015132689	BENEDETTI MANUEL	Device and respective control method for controlling the activities of a colony of insects
WO 2015115889	LELY PATENT NV	Method and device for cleaning cubicles
WO 2015126855	ONVECTOR TECHNOLOGY LLC	Object detection systems
WO 2015087496	PANASONIC IP MAN CO LTD	Greenhouse for agricultural use
WO 2015119510	BIOLUMIC LTD	Improvements in and relating to controlling characteristics of photosynthetic organisms
WO 2015121640	ARSCOTT DAVID STEPHEN	System for optimising performance in a water network
WO 2015123725	HORTICULTURAL INNOVATIONS PTY LTD	Vertical plant cultivation system
WO 2015108633	DEERE & CO	Agronomic variation and team performance analysis
WO 2015123615	BREWMETRIX INC	Analytical system with iterative method of analyzing data in web-based data processor with results display designed for non-experts
WO 2015104017	ERGOLABS GMBH	Method for measuring and influencing a moisture content and/or mineral content of a substrate contained in a plant pot and a plant pot
WO 2015103689	PREC HAWK INC	Method and system for generating augmented reality agricultural presentations
WO 2015095547	AGCO CORP	System and method of monitoring particulate storage
WO 2015102041	PANASONIC IP MAN CO LTD	Plant growth system
WO 2015092799	PHYTECH LTD	Method and system for crop management
WO 2015106359	LUFA FARMS INC	Snow melting system and method for greenhouse
WO 2015111007	SCHWEIGER MARTIN RAINER GABRIEL	Mosquito trap

...ver más

REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2015134142	UNDERGROUND SYSTEMS INC	Dynamic wide-area earth thermal properties and earth ambient temperature determination system
WO 2015134879	FLORENCE PETER RAYMOND	Systems and methods for probabilistic semantic sensing in a sensory network
WO 2015131149	QUALCOMM INC	Opportunistic calibration of a barometer in a mobile device
WO 2015085191	JACKSON DONALD L	Spectrophotometer with variable optical path length cell
WO 2015128939	HITACHI LTD	Security evaluation system, security evaluation device, and security evaluation method
WO 2015128743	SAFETY KEY SOLUTIONS FZ LLC	Worksite monitoring and management systems and platforms
WO 2015103641	TOUZELBAEV MAXAT	Valley-fill power factor correction circuit with active conduction angle control
WO 2015110766	SINOVIA	Computerized and electronic platform for driving urban equipment
WO 2015117566	CHAN MARK KIT JIUN	System of living
WO 2015123178	NEXTNAV LLC	Systems and methods for improved accuracy in determining altitude from pressure
WO 2015128192	KONINKL PHILIPS NV	Light reflectance based detection
WO 2015118758	UNIV TOHOKU	Sensor network system and traffic monitoring system using same
WO 2015120463	BIG BELLY SOLAR INC	Dynamically adjustable nodes in a sensor network
WO 2015094140	FFPS BİLGİ TEKNOLOJİLERİ DANIŞMANLIK DIŞ TİCARET VE E&#x11	Waste measurement and tracking system
WO 2015092395	BRITISH TELECOMM	Sensor network
WO 2015108586	KESPRY INC	System and methods for execution of recovery actions on an unmanned aerial vehicle
WO 2015115995	AQUA Q AB	Method and device for online monitoring of water quality
WO 2015134142	UNDERGROUND SYSTEMS INC	Dynamic wide-area earth thermal properties and earth ambient temperature determination system

...ver más

REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2015114170	FINSECUR	Device for detecting fire or gas leakage and system for securing premises comprising said device
WO 2015130752	BOUDREAUX JOHN	Sensor network gateway
WO 2015130758	TRIVELPIECE STEVE	Smart emergency exit signs
WO 2015130756	BOUDREAUX JOHN	Maintaining routing information
WO 2015092691	TYCO FIRE & SECURITY GMBH	System and method for detecting fire location
WO 2015119580	UNIV SINGAPORE	Apparatus and method for detecting displacement
WO 2015112207	GEN MONITORS	Multi-spectral flame detector with radiant energy estimation
WO 2015106849	VSK ELECTRONICS NV	Threat-monitoring systems and related methods
WO 2015105218	JEONG JEONG AE	Apparatus for providing voice warning during fire and other disasters and guiding evacuation using voice
WO 2015101708	MARICARE OY	Method and system for monitoring
WO 2015104221	DRÄGER SAFETY AG & CO KGAA	Gas measuring device
WO 2015113003	INNOSYS INC	Solid state lighting systems

..ver más

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2015124891	TALERIS GLOBAL LLP	Method for diagnosing a fault in a cabin temperature control system of an aircraft
WO 2015125078	ERICSSON TELEFON AB L M	Active antenna element (aae) implementation for facilitating 6lowpan data access
WO 2015134493	AVI ON LABS LLC	Networking systems, protocols, and methods for controlling target devices
WO 2015126686	GE AVIAT SYSTEMS LLC	System and method of fault detection
WO 2015127166	UNIV WEST VIRGINIA	Wakeup of digital sensing and processing systems
WO 2015093936	GREENPEAK TECHNOLOGIES B V	Common gate multiple input low noise amplifier
WO 2015114577	ABB TECHNOLOGY LTD	A method for commissioning and joining of a field device to a network
WO 2015130605	QUALCOMM INC	Method and apparatus for power efficient downstream communication in sensor networks
WO 2015131279	AMIRIX SYSTEMS INC	Predation detection fish tracking tag
WO 2015121749	CGG SERVICES SA	Cableless seismic sensors and methods for recharging
WO 2015125268	FUJI ELECTRIC CO LTD	Measurement data provision service system
WO 2015128214	KONINKL PHILIPS NV	A method of detecting a defect light sensor
WO 2015129242	NEC COMM SYSTEMS LTD	Wireless communication control device, wireless communication control method, storage medium, and wireless communication control system
WO 2015130763	TRAVELPIECE CRAIG	Rules engine combined with message routing
WO 2015120279	NIDEC MOTOR CORP	Systems, devices, and methods for motor monitoring
WO 2015130639	RASBAND PAUL B	Wireless sensor network
WO 2015131044	AMPHENOL THERMOMETRICS INC	Systems and methods for temperature monitoring device
WO 2015113632	HUAWEI TECH CO LTD	Method for determining system resource scheduling in communication systems
WO 2015085622	SHENYANG INST OF AUTOMATION OF THE CHINESE ACADEMY OF SCIENCES	Semantization method for terminal device of internet of things
WO 2015095884	IND SCIENT CORP	Systems and methods for predicting gas concentration values
WO 2015123499	ROSEMOUNT ANALYTICAL INC	Solid state gas detection sensor diagnostic
WO 2015123622	LUMENSE INC	System and method for continuous, real-time monitoring of chemical contaminants in carbon dioxide
WO 2015130899	ALICOT JORGE	Network range extender with multi-rf radio support for plurality of network interfaces
WO 2015095657	ROSEMOUNT ANALYTICAL INC	Electrochemical detection system with internal life-test
WO 2015085620	SHENYANG INST OF AUTOMATION OF THE CHINESE ACADEMY OF SCIENCES	Semantics-based system architecture model of internet of things
WO 2015093070	MITSUBISHI ELECTRIC CORP	Gateway, management center, and remote access system
WO 2015099802	INTEL CORP	Techniques for increasing energy efficiency of sensor controllers
WO 2015117487	ZTE CORP	Smart home implementation system and method, home gateway and computer storage medium
WO 2015100507	UNIV DE TALCA	System and method for monitoring and managing the energy efficiency of buildings

WO 2015115654	FUJIKURA LTD	Sensor node and method for controlling sensor node
WO 2015089295	UNIV FLORIDA	Comfortable, energy-efficient control of a heating, ventilation, and air conditioning system
WO 2015094114	AGENCY FOR SCIENCE TECHNOLOLGY AND RES	Entity authentication in network
WO 2015113108	SHOTTRACK PTY LTD	A device for monitoring vibrations
WO 2015115042	NEC CORP	Server, data processing method
WO 2015103278	TRIANGLE STRATEGY GROUP LLC	Methods, systems, and computer readable media for tracking human interactions with objects using modular sensor segments
WO 2015108862	WESTERNGECO LLC	Transmission without reverberation by iterative incomplete time-reversal
WO 2015105141	SUMITOMO ELECTRIC INDUSTRIES	Management system, management device, sensor, management method, and management program
WO 2015109874	SHENYANG INST OF AUTOMATION OF THE CHINESE ACADEMY OF SCIENCES	Chain-type wireless sensor network-oriented hybrid media access control method
WO 2015107689	FUJITSU LTD	Communication node, system and synchronization method
WO 2015119635	HEWLETT PACKARD DEVELOPMENT CO	Distance estimation
WO 2015109175	WESTERNGECO LLC	Seismic sensor coupling
WO 2015108776	CISCO TECH INC	Intelligent wiring in a low power and lossy network
WO 2015108859	WESTERNGECO LLC	Interferometry-based imaging and inversion
WO 2015112877	SCHNEIDER ELECTRIC USA INC	Dynamic adaptable environment resource management controller apparatuses, methods and systems
WO 2015099736	LANDMARK GRAPHICS CORP	Real-time monitoring of health hazards during hydraulic fracturing
WO 2015124891	TALERIS GLOBAL LLP	Method for diagnosing a fault in a cabin temperature control system of an aircraft
WO 2015125078	ERICSSON TELEFON AB L M	Active antenna element (aae) implementation for facilitating 6lowpan data access

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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.

GRIFOLS 75

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.

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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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