

Boletín VT

REDES DE SENSORES INALÁMBRICAS

53

1.º trimestre 2023

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 inalámbricos, 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

NIPO: 116-19-015-9

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 2023031252 A2	OLES MARKUS	Method and system for turf care
WO 2023287890 A1	CATERPILLAR INC	Fault detection for secondary steering system
WO 2023033640 A1	PRISTINE GLORY SDN BHD	A device for feeding poultry
WO 2023030864 A1	SUNAGRI	Agricultural thinning method
WO 2023287781 A1	MTD PRODUCTS INC	Single line weed and vegetation trimmer and/or edger with continuous line feed
WO 2023026249 A1	NESTLE SA	Systems and methods for animal health monitoring
WO 2023031612 A1	GARDIN LTD	Systems and methods for measuring chlorophyll fluorescence
WO 2023033885 A1	X DEV LLC	Selection of meal configuration data in an aquaculture system
WO 2023028472 A1	HELIPONIX LLC	System for determining parameter settings for an enclosed growing environment and associated method
WO 2023002272 A1	INTELLIGENT AGRICULTURAL SOLUTIONS LLC	Systems and methods for monitoring spray quality
WO 2023036759 A1	SIGNIFY HOLDING BV	An illumination system
WO 2022266149 A1	HABER TECH INC	Autonomous crop drying, conditioning and storage management.
WO 2023002274 A1	INTELLIGENT AGRICULTURAL SOLUTIONS LLC	Magnetic indexing of agricultural sensors
WO 2023002273 A1	INTELLIGENT AGRICULTURAL SOLUTIONS LLC	Spray monitoring systems, devices, and methods
WO 2023002275 A1	INTELLIGENT AGRICULTURAL SOLUTIONS LLC	Spray nozzle error detection
WO 2022266475 A1	HGCI INC	Controller for an indoor grow lighting system
WO 2023042037 A1	PREC PLANTING LLC	System for unloading a sample container
WO 2022261283 A1	WOODSTREAM CORP	Rodent bait station
WO 2022258653 A1	ETO MAGNETIC GMBH	Device for detecting a sprouting of sown seeds, agricultural sensor device, and agricultural monitoring and/or control method and system
WO 2023037282 A1	UNIV BOLOGNA ALMA MATER STUDIORUM	Method and system for soil-moisture monitoring
WO 2023039190 A1	RAVEN IND INC	Multi-vehicle coordination systems and methods for agricultural field operations
WO 2022260849 A1	NANT HOLDINGS IP LLC	Methods and systems for producing a protein of interest in a plant
WO 2023017328 A1	PREC PLANTING LLC	Method and systems for using sensors to determine characteristics of seeds or particles
WO 2022263730 A1	AB7 SANTE	System for controlling a soothing accessory for an animal and accessory and method for same
WO 2023285724 A1	BELTRAN MEDINA PEDRO	Aquifer contamination monitoring procedure and collection device for this purpose
WO 2023002263 A1	INTELLIGENT AGRICULTURAL SOLUTIONS LLC	Spray flow sensing with optical signature analysis
WO 2022256885 A1	SELIMBASIC ELMA	Remote animal treatment and protection device

WO 2023283705 A1	KIM PHILIP	Communicator and repeater for monitoring objects and animals via wireless communication
WO 2023022361 A1	CATALONIX INC	Mobile robot system for irrigation and fertilization
WO 2023278658 A1	CNH IND AMERICA LLC	Systems and methods for controlling the height of a harvesting implement relative to the ground
WO 2023023842 A1	SOUICY INT INC	System and method for monitoring an endless track of a track system
WO 2023037363 A1	ALGAECORE TECH LTD	Kit and method for constructing a raceway pond for cultivating algae
WO 2023008590 A1	MOLLICK AHSAN AHMED	Smart hydroponic system
WO 2023028495 A1	LANDIS GEOFFREY C	Aqueous grow nutrient control system and calibration
WO 2022269388 A1	PREC PLANTING LLC	Microfluidic manifold and method for determination of analyte concentration from temperature-compensated absorbance measurements
WO 2023276341 A1	KUBOTA KK	Agricultural machine control system and agriculture management system
WO 2023010427 A1	ORANGE	Systems and methods generating internet-of-things-specific knowledge graphs, and search systems and methods using such graphs
WO 2023018387 A1	AGCURATE BILGI TEKNOLOJILERI ANONIM SIRKETI	A crop classification method using deep neural networks
WO 2022268756 A1	FAUNAPHOTONIC S AGRICULTURE & ENV A/S	Apperatus and method for measuring insect activity
WO 2023021508 A1	BUMBLEBEE A I LTD	Polination device
WO 2023031652 A1	ASADI ASHRAF MICROSOFT TECHNOLOGY LICENSING LLC	Cow breast heating system to increase lactation and disinfection
WO 2023278048 A1	SICHUAN INNOVATION RESEARCH INSTITUTE OF TIANJIN UNIV	Pollutant sensor placement
WO 2022253015 A1	INTELLATHERAPY LLC	Livestock thermochromic ear tag, and temperature detection method and system thereof
WO 2023003732 A1	MEALFOOD EUROPE S L	Biofeedback system and method for monitoring animal limbs
WO 2023012379 A1	KUBOTA KK	Insect-food-dosing machine
WO 2023022009 A1	SZ DJI TECHNOLOGY CO LTD	Farming assistance system
WO 2023019445 A1	MICASENSE INC	Image processing method, unmanned aerial vehicle, and storage medium
WO 2023034986 A1	EPLANT INC	Aerial imaging system and method having multispectral and panchromatic sensors
WO 2023034380 A1	AGCO INT GMBH	Smart dendrometers for tracking plant growth
WO 2022243786 A1	NAT INST INF & COMM TECH	Residue spread monitoring
WO 2023286435 A1	KWS SAAT SE & CO KGAA	System and method for controlling movement body group, and communication device
WO 2022269354 A1	PECO INC	Devices for crumbling root crops and determining the composition thereof
WO 2023007692 A1	GROWFICIENT B V	Notification system, notification method, and program
WO 2023003467 A1	AB7 SANTE	Sensor and system for monitoring a substrate
WO 2022263731 A1	X DEV LLC	Control system of an antiparasite accessory for animals and accessory
WO 2022271256 A1	X DEV LLC	Automated feeding system for fish
WO 2023009222 A1	UL LLC	Autonomous organic aquatic filtration systems
WO 2023009814 A1	SONY SEMICONDUCTOR SOLUTIONS CORP	Technologies for collecting plant environment data and adjusting plant environment controls associated with plant growth
WO 2023276241 A1	DEERE & CO	Solid-state imaging element, manufacturing method, and electronic device
WO 2023009581 A1	EEDI AUTOMATION PRIVATE LTD	Measuring seed cotton properties using near infrared sensing
WO 2023007340 A1	URBAN PLANTER LLC	System and method for automation and control of hydroponic farms
WO 2023278562 A1		Precision irrigation system, method, and computer program product

WO 2023282762 A1	MOOD HARVEST AS	Production equipment and facilities for culture
WO 2023283198 A1	CLIMATE LLC	Systems and devices for monitoring precipitation, and methods related thereto
WO 2022266879 A1	SZ DJI TECHNOLOGY CO LTD	Fault detection method and apparatus for plant protection system, and movable platform and storage medium
WO 2023023805 A1	RAPIDAIM PTY LTD	Insect monitoring device and method
WO 2022266705 A1	THYLATION R&D PTY LTD	A system and apparatus for animal management
WO 2022268720 A1	SIGNIFY HOLDING BV	In-situ and real-time generation and administration of viral vaccines using uv light inactivation
WO 2023012687 A1	AGILLIS LTD	Equine leg monitoring apparatus
WO 2022271593 A1	VERMEER MFG CO	Systems and methods for wireless temperature monitoring of an implement
WO 2022264126 A1	B G NEGEV TECHNOLOGIES AND APPLICATIONS LTD AT BEN GURION UNIV	System and method for reducing down-leaching of excess of fertilization to a below-roots zone
WO 2023026290 A1	AGRINT SENSING SOLUTIONS LTD	System and method of optimizing communication in an iot mesh network
WO 2023274483 A1	BENMAKHOUF ABDENOUR	Autonomous electrical linear irrigation system
WO 2023012788 A1	ARUGGA A I FARMING LTD	Plants growth management system and method
WO 2023021057 A1	THE SOIL RES LAB SPRL	Method of controlling invasive plants by conductive heat treatment
WO 2022254245 A1	FAROKHZADEH BEHNOUSH	Online device and method with automatic cleaning mechanism for soil carbon dioxide measuring
WO 2023288131 A1	BOVI INC	Swarm based orchard management
WO 2023019359 A1	SYMPHONI BIOTECH INC	Systems, devices and methods for controlling growth of a plant
WO 2023279209 A1	IND PLANKTON INC	Seaweed bioreactor apparatus, methods, and systems
WO 2022267693 A1	PING AN TECH SHENZHEN CO LTD	System and method for super-resolution image processing in remote sensing

[...ver más](#)

REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2023027735 A1	GOOGLE LLC	Collaborative environmental sensor networks for indoor air quality
WO 2023030447 A1	VIVO MOBILE COMMUNICATION CO LTD	Quality-of-service feature parameter determination and data transmission methods and apparatuses, and device
WO 2023030597 A1	KAMSTRUP AS	System and method for acoustic leak detection in a utility distribution system
WO 2023034882 A1	ORBIS INTELLIGENT SYSTEMS INC	Monitoring sites of a fluid delivery infrastructure
WO 2023030513 A1	CHINA ENTROPY CO LTD	Internet of things system
WO 2023034175 A1	MILL IND LLC	Network-connected apparatus promoting environmentally responsible processing and disposition of organic matter
WO 2023036580 A1	BOSCH GMBH ROBERT	Processing system, processing unit and processing method for processing object detection results based on sensor visibilities
WO 2023007183 A1	UNIV NEWCASTLE	Water quality monitoring method and device
WO 2023043318 A1	MAGSEIS FAIRFIELD ASA	Collaboration platform for seismic data products and seismic data services
WO 2023020774 A1	SIGNIFY HOLDING BV	A method of configuring a network comprising a plurality of node devices, a method of transmitting a message in a network so configured and a lighting system so configured
WO 2023031926 A2	ITC INTELLIGENT TRAFFIC CONTROL LTD	Traffic light control based on traffic pattern prediction
WO 2023277496 A1	AI BLUE INC	Greenhouse gas absorption calculation device and greenhouse gas reduction trading platform using same
WO 2023002442 A1	NEXTNAV LLC	Barometric pressure sensor calibration based on activity context
WO 2023006600 A1	ERICSSON TELEFON AB L M	Short area indication for public warning system
WO 2023286806 A1	KOITO MFG CO LTD	Stationary object information acquisition device, program, and stationary object information acquisition method
WO 2023036525 A1	ERICSSON TELEFON AB L M	Internet of things based air pollution prevention in 5th generation networks
WO 2023276420 A1	MITSUBISHI ELECTRIC CORP	Distributed multi-task machine learning for traffic prediction
WO 2022266693 A1	AVL LIST GMBH	Measuring unit for measuring a gaseous or solid material in a measurement volume
WO 2023012412 A1	TCHAOMEGOT COLLECTE	Cigarette bin suitable for collection of cigarette stubs
WO 2023035067 A1	ARCUS POWER CORP	Systems and methods for load forecasting for improved forecast results based on tuned weather data
WO 2023278937 A1	3M INNOVATIVE PROPERTIES COMPANY	Multi-functional, high-density electrical-grid monitoring
WO 2023034172 A1	MILL IND LLC	Organic matter processing apparatus for promoting net reduction of methane and other greenhouse gas emissions
WO 2023001933 A1	SCHREDER SA	Remote management framework in sensor and actuator network
WO 2023039069 A1	ALARM COM INC	Active threat tracking and response
WO 2023277719 A1	QATAR FOUND EDUCATION SCIENCE & COMMUNITY DEV	Air quality monitoring and management system and method of controlling the same
WO 2022267067 A1	INTEL CORP	Controller and methods thereof
WO 2023281490 A1	EREZ MORDECHAI	Methods and compositions for marking and detecting objects
WO 2023026262 A1	ACIIST SMART NETWORKS LTD	Implementation of a distributed layer two switch
WO 2022261353 A1	INTEL CORP	Uses of coded data at multi-access edge computing server
WO 2023279252 A1	BEIJING XIAOMI MOBILE SOFTWARE CO LTD	Information processing method and apparatus, and communication device and storage medium

WO 2023012870 A1	NIPPON TELEGRAPH & TELEPHONE	Sensor terminal, data collection unit, data collection system, data collection method, and program
WO 2022241508 A1	TELSTRA CORP LTD	Apparatus, system and method for monitoring a pit lid
WO 2023006054 A1	UNIV HONG KONG POLYTECHNIC	Tree monitoring system for urban tree management

[...ver más](#)

REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2023287571 A1	LGHORIZON LLC	Building security and emergency detection and advisement system
WO 2023036603 A1	TRIDONIC GMBH & CO KG	Sensors with indicator led and test switch
WO 2023016981 A1	DRYAD NETWORKS GMBH	Lorawan mesh gateway network and method for locating a forest fire
WO 2023001668 A1	DRYAD NETWORKS GMBH	Device and method for determining soil humidity
WO 2023034912 A1	CELEROS FLOW TECH LLC	Systems and methods for monitoring a valve
WO 2022263985 A1	TYCO FIRE PRODUCTS LP	Systems and methods of automatic nitrogen generator bypassing
WO 2023022365 A1	KIM JAE WHAN	Method for automatically setting acoustic signal of space monitoring apparatus by using acoustic signal
WO 2023007471 A1	TYCO FIRE PRODUCTS LP	Fire suppression system
WO 2023021389 A1	TYCO FIRE PRODUCTS LP	Fire suppression system with advanced diagnostics
WO 2023012177 A1	VERISURE SARL	Alarm peripheral
WO 2023035086 A1	INFLIGHT INVEST INC	System for detecting smoke in cargo transported in a passenger cabin of an aircraft
WO 2023014231 A1	VKS ALARM OG SIKKERHET AS	Water-stop system
WO 2023009551 A1	AI TECH HOLDINGS INC	Mountable apparatus for providing user data monitoring and communication in hazardous environments
WO 2023000087 A1	FERO INT IP INC	Device, system and method for remote firefighting
WO 2023004350 A1	PARKER MARITIME TECH LLC	Transverse hydro-laminar flow system
WO 2023002336 A1	RUDDERS RLS PTY LTD	Sensing system
WO 2023279195 A2	BOUKADOUM MOUNIR	Programmable context aware alarm devices and methods
WO 2023009711 A2	HAS LLC	Networks, systems and methods for enhanced wildfire mitigation, protection and suppression
WO 2022265408 A1	KIM JAE WHAN	Apparatus and method for monitoring space by using three-dimensional acoustic web

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2023033815 A1	SIEMENS CORP	Semantic mapping for measurement over terabit networks
WO 2023026267 A1	EARLY O M LTD	Organoleptic volatile organic compounds diagnosis system
WO 2023022796 A2	UNIV COLUMBIA	Systems and methods for mass sensing based on integrated, functionalized piezoelectric resonators
WO 2023288233 A1	BRIGHT MACHINES INC	Method and apparatus for vision-based tool localization
WO 2023027850 A1	CATERPILLAR INC	Track link spacing sensors
WO 2023030659 A1	FRABA BV	Sensor network system
WO 2023286001 A1	BLUHUB SRL	Sensorized bottle stopper
WO 2023033712 A1	NAMI AI PTE LTD	Wifi sensing mesh network
WO 2023031268 A1	SWISS Q CONTAIN AG	Quarantine container for hazardous items
WO 2023043801 A1	AMSTED RAIL CO INC	Mobile railway asset monitoring apparatus and methods
WO 2022266631 A1	ON TIME AI INC	Processes for controlling operation of machine tools
WO 2023287052 A1	DAEGU GYEONGBUK INST SCIENCE & TECH	Avoidance path generation method on basis of multi-sensor convergence using control infrastructure, and control device
WO 2023017208 A1	NOKIA TECHNOLOGIES OY	Method to multiplex sensing and communication services in wireless networks
WO 2023043118 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and touch recognition method of electronic device
WO 2022264783 A1	SUMITOMO MITSUI CONSTRUCTION CO LTD	Structure monitoring system and structure monitoring method
WO 2023018535 A1	CATERPILLAR INC	System and computer-implemented method for determining wear levels of a ground engaging tool of a work machine indicative of a tool replacement condition
WO 2022262234 A1	HISENSE GROUP HOLDINGS CO LTD	Refrigerator and food management method and device thereof
WO 2023006575 A1	ASDEA SOFTWARE S R L	Unit for detecting parameters of a component of a structure and network for monitoring a structure comprising such units
WO 2023287402 A1	PARKER JR DONALD W	System and method for monitoring and processing the usage of law enforcement equipment
WO 2022266245 A1	MILWAUKEE ELECTRIC TOOL CORP	Inspection tool including automatic feature detection and classification
WO 2022268853 A1	TRIDONIC PORTUGAL UNIPESSOAL LDA	Method and system of configuring an illumination system of a building
WO 2023018540 A1	CATERPILLAR INC	Work machine ground engaging tool wear and loss detection system and method
WO 2023036422 A1	AIRFORCED SYSTEMS OUE	Control unit for building ventilation system, building ventilation system, method for controlling building ventilation system, and computer program product
WO 2023036405 A1	ABB SCHWEIZ AG	Method of cleaning region in industrial environment, control system and cleaning system
WO 2023006750 A1	COMMISSARIAT ENERGIE ATOMIQUE	Method for non-intrusive measurement of the internal pressure variation and/or temperature variation of a pipe, associated measurement device and apparatus
WO 2023026551 A1	SONY GROUP CORP	Measurement device, measurement method, and program
WO 2023286371 A1	TDK CORP	Data collection device, analysis device, method for analyzing conveyance system, and sensor device
WO 2023286070 A1	COHEN MICHAEL	Visualization and tracking system
WO 2023029559 A1	HUAWEI TECH CO LTD	Data processing method and apparatus
WO 2023033257 A1	SHINJIN TECH OCEAN CO LTD	Water tank monitoring system, and water tank monitoring method using same

WO 2023274581 A1	EATON INTELLIGENT POWER LTD	Multiparameter noninvasive arcing discharge anomaly monitoring device and method
WO 2023015484 A1	SIEMENS AG	Method and apparatus for training a model
WO 2022271283 A1	PARKER HANNIFIN CORP	System and method for controlling heat load or parasitic load in a flammability reduction system of an aircraft
WO 2023278408 A1	SCHLUMBERGER TECHNOLOGY CORP	Thermal measurement system
WO 2023286814 A1	NEW COSMOS ELECTRIC CO	Constant potential electrolysis gas sensor and constant potential electrolysis gas sensor manufacturing method
WO 2023007021 A1	NESTLE SA	System and method for forming a compostable pod for beverages from a sheet having a controlled moisture level
WO 2023015522 A1	SIEMENS LTD CHINA	Method, apparatus, and system for acquiring internet of things data, and storage medium
WO 2023018226 A1	PLUXITY CO LTD	Power management device and method using predicted power peak guideline
WO 2023023850 A1	ESC INNOVATES INC	System, method and/or computer readable medium for monitoring and predictively controlling closed environments
WO 2023038231 A1	KOREA MARINE ENVIRONMENT MAN CORPORATION	Disk-shaped marine position-tracking device
WO 2022263953 A1	KOCH ENG SOLUTIONS LLC	Rotary electric machine with programmable interface
WO 2022268096 A1	HUAWEI TECH CO LTD	Information coordination method and apparatus
WO 2023035044 A1	UNIV SYDNEY	Wireless communication protocol
WO 2023287988 A1	LUMILEDS LLC	Led sensor module
WO 2023035076 A1	RAINHOUSE MFG CANADA LTD	Sensor-based smart tooling for machining process online measurement and monitoring
WO 2023001916 A1	SONY SEMICONDUCTOR SOLUTIONS CORP	Sensor device and method for operating a sensor device
WO 2023012007 A1	BASF SE	Method for monitoring and/or controlling a chemical plant using hybrid models
WO 2023287703 A1	PASSIVELOGIC INC	Device energy use determination
WO 2023003016 A1	NIPPON SEIKI CO LTD	Work assistance system, control method for work assistance system, and control program for work assistance system
WO 2023009426 A1	PARSYL INC	Systems and methods for identifying mis-set and mis-calibrated atmosphere control systems
WO 2022266134 A1	HYDROGEN TECH LLC	Reactor safety devices and methods
WO 2022272249 A1	PGR HOLDINGS LLC	Ultrasensitive, ultrathin vapor sensors and arrays
WO 2023272319 A1	SENDANCE GMBH	Sensor network
WO 2023280665 A1	SIGNIFY HOLDING BV	Indoor microbiome management
WO 2023026750 A1	PANASONIC IP CORP AMERICA	Remote monitoring system, abnormality detection system, remote monitoring method, and program
WO 2023019257 A1	TSI INC	Differential pressure liquid flow controller
WO 2022265594 A1	MPG MAKINE PRODUEKSIYON GRUBU MAKINE IMALAT SANAYI VE TICARET ANONIM SIRKETI	An improved situation detection and regulation system for mobile cranes
WO 2023002977 A1	TOSHIBA KK	Information processing device, information processing method, and program
WO 2023007386 A1	JIO PLATFORMS LTD	System and method of automatic rack wise power measurement in a data centre
WO 2022263884 A1	ERICSSON TELEFON AB L M	Security for iot platform built on a wireless sensor network
WO 2022271921 A1	WINDESCO INC	Systems and methods of coordinated yaw control of multiple wind turbines
WO 2023000718 A1	ZTE CORP	Perception data transmission method, electronic device, and computer readable storage medium
WO 2023012778 A1	TECHNION RES & DEV FOUNDATION	A method and system for detection and analysis of chemical compounds in a sample subjected to a chromatographic separation on a layered separating medium

WO 2023028194 A1	IND INTELLIGENCE INC	System, device and method for effective deployment of a dust accumulation sensor
WO 2023012878 A1	NIPPON TELEGRAPH & TELEPHONE	System, method, and program for collecting data
WO 2023017547 A1	AIRTECH INNOVATIONS PRIVATE LTD	Clean-air partition systems
WO 2023038171 A1	STARENG CO LTD	Intelligent photovoltaic device capable of abnormality diagnosis and predictive control, and control method therefor
WO 2023009970 A1	BAKER HUGHES HOLDINGS LLC	Aerial sampling platform
WO 2023007524 A1	ROYAL SCIENTIFIC SOC	An atmospheric water generating device and a method of active or adaptive atmospheric water generation
WO 2023033346 A1	LG ENERGY SOLUTION LTD	Battery management device and operation method therefor
WO 2022251837 A1	GOOGLE LLC	Machine learning time series anomaly detection
WO 2023283561 A1	TOPCON POSITIONING SYSTEMS INC	An imu based system for vertical axis joint angle estimation for swing boom excavators
WO 2023004085 A1	NEC LAB AMERICA INC	Galloping monitoring of overhead transmission lines using distributed fiber optic sensing
WO 2022266522 A1	LUTRON TECH CO LLC	Sensor for measuring environmental conditions in a user environment
WO 2023278405 A1	BAE SYS INF & ELECT SYS INTEG	System and method for generating three-dimensional imagery
WO 2022268454 A1	SIEMENS GAMESA RENEWABLE ENERGY AS	Wind turbine power plant including auxiliary systems
WO 2023007806 A1	KURITA WATER IND LTD	Control system
WO 2022269440 A1	UNIV KING ABDULLAH SCI & TECH	Distributed strain sensing using capacitor with variable-resistance electrodes and method
WO 2023028302 A1	DROBOTICS LLC	Neural network-guided passive sensor drone inspection system
WO 2022265562 A1	SENSEAIR AB	Gas sensor device and method for updating baseline calibration parameter
WO 2023026587 A1	MITSUBISHI SHIPBUILDING CO LTD	Evacuation guidance system and evacuation guidance method
WO 2023034563 A1	RADIO SYSTEMS CORP	Pet door
WO 2022269538 A1	ECOTHEA S R L	Device and method to measure and estimation of state of charge and state of health of a battery
WO 2023004464 A1	BREVILLE R & D PTY LTD	Cooking appliance and humidity sensor for same
WO 2023032350 A1	MITSUBISHI SHIPBUILDING CO LTD	Remote evacuation guidance system, land evacuation guidance system, ship internal evacuation guidance system, and remote evacuation guidance method
WO 2023009463 A1	SWIFT NAVIGATION INC	System and method for computing positioning protection levels
WO 2023009092 A1	KUL SINAN	A data tracking and analysis system
WO 2022268762 A1	HELMHOLTZ ZENTRUM DRESDEN	Grid sensor, grid sensor system, evaluation device and computer program product for correcting an interfering influence of one or more fluids
WO 2023274645 A1	SIEMENS GAMESA RENEWABLE ENERGY AS	Control system for aligning a nacelle of a wind turbine with a target yaw angle
WO 2022272097 A1	LANDIS & GYR INNOVATIONS INC	Asset management for utility system maintenance
WO 2023009804 A1	TMGCORE INC	Mobile command and control centers and boxes therefore
WO 2023026212 A1	VETINSTANT HEALTHCARE PRIVATE LTD	Pet health and wellness system
WO 2023007372 A1	INDIAN INSTITUTE OF TECH KANPUR	Data storage from sensor array

WO 2023022612 A1	PHILIPPINE SCIENCE HIGH SCHOOL EASTERN VISAYAS CAMPUS	Freshwater morphology information gathering system
WO 2023009720 A1	CLEU DIAGNOSTICS LLC	Oxygen scavengers for electrochemical biosensors
WO 2023011564 A1	HUAWEI TECH CO LTD	Method, communication apparatus and system for providing communication sensing service
WO 2022266707 A1	COMMW SCIENT IND RES ORG	Acoustic depth map
WO 2022265794 A1	LEVITON MANUFACTURING CO	Arc fault detection using machine learning
WO 2022269906 A1	NIPPON TELEGRAPH & TELEPHONE	System, method, device, and program for collecting data
WO 2023278198 A1	PEPSICO INC	Smart vending machine with modular control assembly
WO 2023023711 A1	SENSAWEB PTY LTD	A remote radiation sensing device
WO 2023014306 A1	BREN ILERI TEKNOLOJI ENERJI ANONIM SIRKETI	Artificial intelligence-based multifunctional smart sensor technology
WO 2023015193 A1	RAPISCAN HOLDINGS INC	Systems and methods to determine a safe time to fire in a vehicle inspection portal
WO 2023288081 A2	FORTUNE BRANDS WATER INNOVATIONS LLC	Sump pump system, including sump pump monitor and application
WO 2023015044 A1	BATTELLE MEMORIAL INSTITUTE	Mixed-matrix composite integrated fiber optic co2 sensor
WO 2023280666 A1	KEBNI AB PUBL	Scaffolding safety sensor system and method
WO 2022268443 A1	EBM PAPST MULFINGEN GMBH & CO KG	Monitoring device and method for monitoring the quality of a gas atmosphere
WO 2023009865 A1	SEEKOPS INC	Scale triggering of emissions detection, localization, quantification and repair

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Los ITPs** de la OEPM nos proporcionan información imprescindible para decidir la priorización óptima de proyectos de I+D en los que invertir.



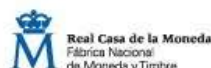
Los ITPs** de la OEPM nos han ahorrado horas de revisión bibliográfica para definir el punto de partida de nuestros proyectos de I+D.



Los ITPs** de la OEPM detectaron solicitudes de patente relevantes cuando estábamos a mitad del proyecto y gracias a ello pudimos reconducir nuestra investigación.



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.



* La OEPM cuenta con más de 150 examinadores de patentes especializados en los diversos sectores tecnológicos y en la búsqueda de información científico-técnica.

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