

Boletín VT

REDES DE SENSORES INALÁMBRICAS

59

3.º trimestre 2024

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: 220-24-020-1

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 2024193766 A1	LEMKEN GMBH & CO KG	Method for detecting the state of soil-cultivating tools on a soil-cultivating device
WO 2024141829 A1	AGCO CORP	Agricultural baler
WO 2024193768 A1	LEMKEN GMBH & CO KG	Soil cultivation device
WO 2024189408 A1	BRAVO S R L	Self-propelled mixer wagon with electric drive for the preparation of feed for animals
WO 2024193769 A1	LEMKEN GMBH & CO KG	Soil-working implement
WO 2024191129 A1	KOREA AGRICULTURE INST CORPORATION	Remote control box integrated with distribution board for smart farm irrigation
WO 2024181831 A2	YEO JONG RYUL	Remotely managed smart farm system
WO 2024184283 A1	GRIDGUARD AS	Evaluation and protection equipment for electrical grids and method
WO 2024191683 A1	SONNYS HFI HOLDINGS LLC	Chemical delivery system with dilution control
WO 2024176006 A1	FARM ROBOTICS AND AUTOMATION SL	Aviary monitoring system and method of monitoring a broiler aviary
WO 2024176009 A1	AGCO CORP	Crop quality monitoring and mapping
WO 2024178233 A1	TIDALX AI INC	Multi-receiver distributed pen mapping
WO 2024191338 A1	DELAVAL HOLDING AB	Milking system, computer-implemented method, computer program and non-volatile data carrier
WO 2024194182 A1	SUNELEMENTS GMBH	Method for operating a greenhouse
WO 2024189623 A1	THE STATE OF ISRAEL MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT AGRICULTURAL RES ORGANIZATION ARO VO	System for monitoring live weight and water consumption of farm-livestock animals
WO 2024142050 A1	METOMOTION LTD	System and method for controlled automated harvesting
WO 2024141736 A1	YNSECT	Optical device for determining one or more parameters for monitoring insect breeding
WO 2024181685 A1	URBAN FARMER AGRICULTURAL CORP	Multi-smart farm system comprising mushroom spawn culture chamber and mushroom cultivation chamber that are integrated
WO 2024138238 A1	UNIV STELLENBOSCH	Apparatus and system for measuring soil respiration
WO 2024150057 A1	PREC PLANTING LLC	Method and system to provide a viewing and replay functionality for agricultural data layers
WO 2024125899 A1	GARDIN LTD	Light control method for plant growth
WO 2024186919 A1	LILLIANAH TECH INC	Photobioreactor systems and methods
WO 2024141714 A1	NESTE OYJ	Processes and systems for culturing algae
WO 2024189519 A1	G POWER PLANTS DMCC	Systems for artificially forming clouds, relocating formed clouds and methods of using same
WO 2024145607 A1	RAVEN IND INC	Color angle scanning in crop detection

WO 2024167774 A1	X DEV LLC	Sensor-controlled bubble emission system for aquaculture
WO 2024191931 A1	FYTO INC	Method and system for computer-assisted harvesting
WO 2024170327 A1	SIGNIFY HOLDING BV	An illumination system
WO 2024166087 A2	BAJNAID MOHAMMADFAWZ I	An autonomous hardware system of ai-powered hardware robots, acoustical/spectral sensors, and cold plasma to efficiently detect and eradicate agricultural pests threatening plantations like date and coconut palm trees
WO 2024178285 A1	UNIV OREGON STATE	Apparatus and method for fish tagging
WO 2024142233 A1	KUBOTA KK	Wind detection system and unmanned aerial vehicle
WO 2024159144 A1	UNIV COLORADO REGENTS	Systems, methods, and computer-readable media for detection and monitoring of soil carbon sequestration
WO 2024163108 A1	701X INC	Livestock location tracking system
WO 2024132844 A1	SUITEG GMBH	Method of operating a network of cultivation containers and system of interconnected cultivation containers
WO 2024136731 A1	DELAVAL HOLDING AB	Method in a milk sampling system
WO 2024137332 A1	FMC CORP	Systems and methods for pest pressure heat maps that convey information relating to genetic markers of resistance to pest control products
WO 2024182393 A1	JDS CONSULTING LLC	Method of controlling the environment in a grow room
WO 2024163981 A1	UNIV CORNELL	Energy efficient controlled-environment plant growth system with artificial intelligence
WO 2024171294 A1	KUBOTA KK	Unmanned aircraft
WO 2024142851 A1	KUBOTA KK	Work machine
WO 2024155515 A1	KSI CONVEYOR INC	Seed metering and discharge system with adjustable gate control
WO 2024171295 A1	KUBOTA KK	Lower-limit altitude changing system and unmanned aerial vehicle
WO 2024145107 A1	JOHNSON & SON INC S C	Methods and systems for dispensing a volatile material
WO 2024168297 A1	MA IND LLC	Reel control for crop input application vehicle
WO 2024171648 A1	SONY GROUP CORP	Information processing device, display device, and program
WO 2024177228 A1	JEJU NATIONAL UNIV INDUSTRY ACADEMIC COOPERATION FOUNDATION	Indoor growth environment and energy-optimized control method and system
WO 2024142234 A1	KUBOTA KK	Flight path generating system and unmanned flying craft
WO 2024168421 A1	VADERSTAD IND INC	Air stream selector
WO 2024167039 A1	ILPUM CORP	Method for controlling drivers of environmental control facility installed at crop production site, and device for performing same
WO 2024132992 A1	AMAZONEN WERKE H DREYER SE & CO KG	Method for dispensing spreading material by means of an agricultural spreader
WO 2024132769 A1	BASF SE	Method for determining optimal spot size parameters for treating an agriculturally relevant organism in an agricultural field
WO 2024135915 A1	INDUSTRY ACADEMIC COOPERATION FOUNDATION OF SUNCHON NATIONAL UNIV	Smartfarm management method and apparatus using virtual sensors
WO 2024137939 A1	X DEV LLC	Ground truth and training data generation for fish
WO 2024167741 A1	LOGGERHEAD INSTR INC	System and method for detecting and classifying classes of birds
WO 2024147758 A1	UNIV NANYANG TECH	Active air purification system
WO 2024136732 A1	DELAVAL HOLDING AB	System and method for monitoring at least one animal in a dairy farm comprising a plurality of zones
WO 2024168068 A1	FARMWISE LABS INC	Crop detection system and/or method
WO 2024166111 A1	R P GROW TEC INNOVATIONS LTD	Indoor intercropping systems, modules and methods thereof
WO 2024168357 A2	NETTO LEONARDO	System and methods for interactive plant care monitoring system with dynamic digital animation interface

WO 2024163107 A1	701X INC	Livestock age verification system
WO 2024134033 A1	PONSSE OYJ	Method in a forest machine and a system
WO 2024168088 A1	FARMWISE LABS INC	Automated agriculture implement
WO 2024168419 A1	BINSENTRY INC	Method of mapping bulk material in a bin using machine learning
WO 2024138049 A1	CODA FARM TECH INC	Digitally labeling bulk harvested materials with information regarding origin to permit tracking
WO 2024138084 A1	INDIGO AG INC	Localized carbon source intervention modeling
WO 2024128757 A1	REPUBLIC KOREA MAN RURAL DEV ADMIN	Smart beehive system for bumblebee pollination
WO 2024129582 A1	STEP ANALYSIS LLC	Instrumented hoof tester
WO 2024137853 A1	INDIGO AG INC	Efficient generation of zonal summaries of geospatial data
WO 2024144837 A1	X DEV LLC	Real-time tension monitoring for aquaculture pen dynamics
WO 2024162689 A1	UNIV KWANGWOON IND ACAD COLLAB	Soil nutrient measurement sensor comprising multi-channel ion-selective electrode
WO 2024151231 A1	RAWBOX TEKNOLOJI A S	In-tank raw milk monitoring system and method
WO 2024132507 A1	ANTICIMEX INNOVATION CENTER AS	A pest control system and a method for building a network of pest control devices
WO 2024163338 A2	PIC CORP	Insect trap
WO 2024193766 A1	LEMKEN GMBH & CO KG	Method for detecting the state of soil-cultivating tools on a soil-cultivating device

[...ver más](#)

REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024189255 A1	CONSULTORES SOLUCIONES TIC SL	System for the detection of sanitary vectors in urban sewage networks based on devices designed for data collection and transmission from each selected manhole and application method
WO 2024188938 A1	SIGNIFY HOLDING B V	A controller for sensing in an environment via a first and a second sensing system and a method thereof
WO 2024184198 A1	KEYIA	Communication system of smart-lighting or smart-city devices configured for at least two modes of communication
WO 2024188110 A1	HUAWEI CLOUD COMPUTING TECH CO LTD	Method and device for generating three-dimensional urban texture model on basis of composite data
WO 2024180399 A1	DYSON TECHNOLOGY LTD	Air quality sensing assembly
WO 2024182617 A1	GE INFRASTRUCTURE TECH LLC	Systems and methods for sensing of gases using a configurable dynamic range of a sensor
WO 2024189988 A1	MITSUBISHI ELECTRIC CORP	System and method for estimating a future traffic density in an environment
WO 2024153349 A1	ANTARES DEFENCE SYSTEMS LTD	Monitoring system
WO 2024137048 A1	ARRIVER SOFTWARE LLC	Geolocation of key critical driver behavior and safety hazards
WO 2024165865 A1	AQUAM WATER SERVICES LTD	Flow meter
WO 2024173020 A2	UNIV UTAH RES FOUND	Resistive sensor interface
WO 2024178550 A1	NOKIA SHANGHAI BELL CO LTD	Apparatuses and methods for enhanced paging of alerts in a wireless communication network
WO 2024132480 A1	BRITISH TELECOMM	Air quality modelling and estimation methods
WO 2024147536 A1	SEOUL NAT UNIV R&DB FOUNDATION	Nanobionic sers sensor for detecting airborne analytes, system comprising same, and method for detecting airborne analytes
WO 2024162383 A1	ARCHITEK CORP	Edge device, sensor system, and sensor operation system for activating plurality of edge devices
WO 2024159279 A1	UNIV ADELAIDE	Multisensor method and system for characterizing a pipeline
WO 2024162628 A1	LG ELECTRONICS INC	Method and apparatus of performing paging operations for gathering information selectively in wireless communication system
WO 2024177212 A1	LG CHEMICAL LTD	Sensing device
WO 2024173603 A2	LYTEN INC	Reconfiguring a second type of sensor based on sensing data of a first type of sensor
WO 2024124062 A1	SENTINEL SYSTEMS LLC	Systems and methods for environmental measurement
WO 2024163773 A1	TURO INC	Air monitoring and air insight generation
WO 2024133503 A1	MANHOLEMETRICS LTD	Water level sensor
WO 2024144477 A1	BTS KURUMSAL BILISIM TEKNOLOJILERI ANONIM SIRKETI	Air quality monitoring system and method
WO 2024130325 A1	TEQ MAN PTY LTD	Waste management system and device

WO 2024143641 A1	BITSENSING INC	Local server and method for controlling road traffic
WO 2024162724 A1	SAMSUNG ELECTRONICS CO LTD	Method and electronic device for predicting outdoor air temperature
WO 2024155652 A2	INSIGHTS INT HOLDINGS LLC DBA NANTRAK INDUSTRIES	Environmental sensor system for a projectile

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REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2024190821 A1	NIPPON KAYAKU KK	Control system
WO 2024187185 A1	MICROCHIP TECH INC	Leakage current noise reduction for ionization chamber based alarms
WO 2024176134 A1	CENTITVC CENTRO DE NANOTECNOLOGIA E MATERIAIS TECNICOS FUNCIONAIS E INTELIGENTES	Ceramic panel, method for production and uses
WO 2024191595 A2	ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIV OF ARIZONA	Distributed computer processing and integrated robotics networks for lunar bases and space stations
WO 2024184887 A1	SPECTRONIX LTD	Wireless low-power flame detector
WO 2024181599 A1	EMI CO LTD	Device for monitoring temperature by means of infrared sensor and system for monitoring temperature by means of same
WO 2024162567 A1	JINOSYS CO LTD	5g iot platform system
WO 2024141410 A1	MINIMAX VIKING RES & DEV GMBH	Water extinguishing system and method of performing a pump operation therein
WO 2024156130 A1	CONTEMPORARY AMPEREX FUTURE ENERGY RES INSTITUTE SHANGHAI LIMITED	Fire-fighting system and energy storage system
WO 2024143810 A1	HANON SYSTEMS	Switch device fire damage detection method and circuit
WO 2024161171 A1	SHARIFIOUN FATEMEH	Smart compact gadget for cars
WO 2024137923 A1	ADEMCO INC	Computerized systems and methods for location and usage specific sensor configuration and implementation
WO 2024173888 A1	SMARTRENT TECH INC	Multi-unit automation and control system
WO 2024124595 A1	QILI DIGITAL TECH CHANGZHOU CO LTD	Remote intelligent unified control system device based on internet of things
WO 2024168296 A1	OHMIUM INT INC	System and methods for hydrogen plant condition monitoring using a wireless modular sensor system
WO 2024174040 A1	NDITIVE3D INC	Gas sensing system and method
WO 2024157208 A1	3M INNOVATIVE PROPERTIES COMPANY	Rescue device and rescue method
WO 2024150060 A1	3M INNOVATIVE PROPERTIES COMPANY	Tracking device for article of ppe and method of tracking
WO 2024167460 A1	SUN MOBILITY PTE LTD	Safety and security mechanisms for a battery charging and swapping station
WO 2024151675 A1	AMULET CRITICAL INFRASTRUCTURE INC	Ballistic barrier panel for energy transmission equipment
WO 2024147832 A1	REDWOOD MAT INC	Battery collection systems and methods of using the same
WO 2024155310 A1	CORNELLCOOKS ON LLC	Rolling doors with two-way operator logic

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OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2024188436 A1	BDR THERMEA GROUP B V	Profile information for dynamic control of an energy management system
WO 2024156816 A1	OERSTED WIND POWER AS	Seismic soil probe, seismic soil testing apparatus and method of using them
WO 2024190565 A1	BAYER CROPS SCIENCE K K	Machine, system, information processing device, program, and method
WO 2024176138 A1	CENTITVC CENTRO DE NANOTECNOLOGIA E MATERIAIS TECNICOS FUNCIONAIS E INTELIGENTES	Gas sensor, method for production and uses
WO 2024179665 A1	HARTING AG	Smart connector
WO 2024192408 A1	HALLIBURTON ENERGY SERVICES INC	Training a production model using data from at least one of distributed sensors and discrete sensors, performing a production process using a trained production model, and a computing system for training the production model
WO 2024191954 A1	NORTHEASTERN UNIV	Using tag with microacoustic resonator for temperature threshold sensor
WO 2024189344 A1	TALARIA TECH LIMITED	Submersible devices and associated apparatus
WO 2024191688 A1	SPHERE ENTERTAINMENT GROUP LLC	Closed loop feedback atmospheric effects systems
WO 2024190175 A1	PANASONIC INTELLECTUAL PROPERTY MAN CO LTD	Physical quantity measurement system
WO 2024186516 A1	CTS CORP	Fiber bragg grating sensor with resonant cavity led
WO 2024187219 A1	FIBER SENSE LTD	A fibre optic cable monitoring method and system
WO 2024190174 A1	PANASONIC INTELLECTUAL PROPERTY MAN CO LTD	Physical quantity measurement system
WO 2024194899 A1	A 1 FENCE PRODUCTS COMPANY PVT LTD	Intrusion detection system for fence
WO 2024141490 A1	REVIBE ENERGY AB	A monitoring system comprising a self-powered sensor
WO 2024177179 A1	MOON SEONG CHEOL	Temperature-adjusting electric range
WO 2024177292 A1	SAMSUNG ELECTRONICS CO LTD	Cooking apparatus and controlling method therefor
WO 2024190097 A1	ELECTRIC POWER DEV CO LTD	Powder flow rate measurement device and powder flow rate measurement method
WO 2024177824 A1	FMC TECH INC	Method and system for emissions-based asset integrity monitoring and maintenance
WO 2024191474 A1	ADEMCO INC	Access point migration within network
WO 2024145548 A1	ADEMCO INC	Computerized systems and methods for dynamically determined temperature balancing
WO 2024174166 A1	BOE TECHNOLOGY GROUP CO LTD	Humidity sensor and preparation method therefor, and electronic device
WO 2024178438 A1	MSA TECHNOLOGY LLC	Systems and methods for tracking lifeline payout and retraction
WO 2024143247 A1	NIPPON SEIKI CO LTD	Detection device

WO 2024160408 A1	SIEMENS GAMESA RENEWABLE ENERGY AS	Lightning detection system, wind turbine and a method to detect a lightning strike position and the lightning strength at a wind turbine
WO 2024184102 A1	SAFRAN LANDING SYSTEMS CANADA INC	Magnetic weight on wheels detection
WO 2024177591 A1	CANGUELOGLU CAGATAY	A data collection device and data processing method
WO 2024182896 A1	QUBE TECH INC	System and method to auto calibrate and auto baseline a pollutant gas detector
WO 2024150095 A1	BOEHRINGER INGELHEIM VETMEDICA GMBH	System and method for measuring a liquid level and estimating cooling capacity of a cold storage container
WO 2024186849 A1	ACLARA TECH LLC	Dynamic sensor data processing for utility system
WO 2024127102 A1	MARTINELLI NICOLE SIMONE	A control system for lifeboats
WO 2024155450 A1	CATERPILLAR INC	Machine security system
WO 2024187095 A1	NEUBREX ENERGY SERVICES INC	A fiber optic strain sensor and seismic monitoring system
WO 2024153312 A1	ABB SCHWEIZ AG	A controller for an industrial system
WO 2024157083 A1	SERCEL RECH CONST ELECT	High-speed, half-duplex communication with standard microcontroller
WO 2024170249 A1	GEA FOOD SOLUTIONS BAKEL BV	Food processing line and method for processing foodstuff
WO 2024168307 A1	BATTELLE MEMORIAL INSTITUTE	Sorption-induced tunable fiber optic plasmonic gas sensing
WO 2024180491 A1	CASTUS TECH INC	A system for locating and tracking floating objects, and methods thereof
WO 2024173155 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Edge-cloud image orchestration of spaceborne data
WO 2024132700 A1	HILTI AG	Systems and methods for wireless activation of concrete sensors via a power management subcircuit
WO 2024180387 A1	GSI ELECTRONIQUE INC	Commodity monitoring systems, cable assemblies, cable sensor nodes, and related methods and systems
WO 2024145194 A1	ELROD SCOTT A	Input control based on atmospheric oxygen
WO 2024166201 A1	UNIV TOHOKU	Sensor and composition
WO 2024132999 A1	FNV IP BV	Towed platform curved line surveying using fiber optic gyroscopic sensing
WO 2024163021 A1	FLUENCE ENERGY LLC	Anomaly detection in energy storage systems
WO 2024134465 A1	INTECHFLOOR SA	Sensor strip for liquid or humidity detection and applications and uses thereof
WO 2024143801 A1	SEJONG RAIN CO LTD	Two-stage early warning system for harmful algae in narrow area of water using high-resolution multi-spectral satellite sensor
WO 2024152571 A1	SHENZHEN TYPHUR TECH CO LTD	Temperature measurement device for food material
WO 2024171703 A1	KOA CORP	Multi-linked devices
WO 2024127592 A1	NIPPON TELEGRAPH & TELEPHONE	Submersion detection system, submersion detection device, and submersion detection method
WO 2024134377 A1	DYSON TECHNOLOGY LTD	Head wearable air purifier
WO 2024170504 A1	HUKSEFLUX HOLDING B V	Optical transmission measuring device and method of measurement
WO 2024181414 A1	YOKOGAWA ELECTRIC CORP	Alarm management apparatus, alarm management method, and alarm management program
WO 2024134491 A1	WINDFIN BV	Wind power plant and control method thereof
WO 2024138184 A1	FERGUSON WILLIAM MACDONALD	Managing local sensor data based on profile information

WO 2024129793 A1	SCHLUMBERGER TECHNOLOGY CORP	Machine learning based methane emissions monitoring
WO 2024137552 A1	SCHLUMBERGER TECHNOLOGY CORP	Closed-chamber well testing
WO 2024148948 A1	TENCENT TECH SHENZHEN CO LTD	Data processing method and apparatus, device, and storage medium
WO 2024143911 A1	PILLARSCREATION CO LTD	lot device for automatically measuring fine dust concentration through light scattering to which humidity correction technique is applied
WO 2024163872 A1	CALIFORNIA INST OF TECHN	Systems, methods, and graphical user interfaces for augmented reality sensor guidance
WO 2024137537 A1	JOY GLOBAL UNDERGROUND MINING LLC	Thermal runaway mitigation in electric mining machines
WO 2024154949 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device, method, and non-transitory computer-readable storage medium for adjusting location of lens assembly on basis of data indicating reliability, obtained by using laser sensor
WO 2024132998 A1	FNV IP BV	Sidescan sonar towfish with fiber optic gyroscopic sensing
WO 2024149893 A1	OSLOMET STORBYUNIVERSITET	Autonomous subsea monitoring vehicle, moored subsea monitoring system and method of operation
WO 2024171820 A1	SYSTEM SQUARE INC	X-ray inspection device
WO 2024126438 A1	VENTUS ENG GMBH	A method for determining wake conditions at a wind turbine generator by measuring blade deflection from an ideal blade trajectory
WO 2024162014 A1	SONY SEMICONDUCTOR SOLUTIONS CORP	Information processing device, information processing method, and program
WO 2024173984 A1	DECODA DIGITAL SERVICES PTY LTD	Ground hazard detection
WO 2024158427 A1	PANERATECH INC	Refractory monitoring system for high-voltage and high-temperature environment applications
WO 2024166691 A1	SONY GROUP CORP	Terminal device and communication method
WO 2024138283 A1	UNIV TECNICA FEDERICO SANTA MARIA UTFSM	System and method for classifying seismological signals coming from acoustic sensors
WO 2024136927 A1	SCHLUMBERGER TECHNOLOGY CORP	Randomness in seismic survey acquisition
WO 2024145702 A1	PETROLEO BRASILEIRO SA PETROBRAS	System and method for passive optical monitoring of the concentration of multiple gases and/or multiple parameters at multiple points
WO 2024176543 A1	MITSUBISHI HEAVY IND THERMAL SYSTEMS LTD	Air conditioner and control method therefor
WO 2024116213 A1	MOHAN SURAJ	A robot cleaning device and a method thereof
WO 2024163396 A1	WALMART APOLLO LLC	Systems and methods for store exit verification
WO 2024143640 A1	KOREA ELECTRONICS TECHNOLOGY	Wireless smart sensor device interoperability method for gas facility safety management
WO 2024152064 A1	PLASTIC SUPPLIERS INC DBA EARTHFIRST	Enclosing the blowing area of a biopolymer blown film production process
WO 2024163368 A1	B&N CAPITAL SUPPLIERS LLC	System and method of infrastructure asset prioritization for steel and concrete assets
WO 2024151209 A1	UNIV NANYANG TECH	System for evaluation of bearing degradation
WO 2024132902 A1	TOTALENERGIES ONETECH	Equipment for inspecting wind turbines of an offshore wind farm and associated method
WO 2024138166 A1	VYCARB INC	System and method for carbon monitoring and management in water systems

WO 2024144191 A1	ADVANCED INSTITUTE OF CONVERGENCE TECH	Piezoelectric coefficient measurement device and piezoelectric coefficient measurement method using same
WO 2024165895 A1	SIEMENS IND SOFTWARE LTD	Method and system for determining a position of a plurality of lidar sensors for industrial risky zones
WO 2024173286 A1	BIO DOMAIN SYSTEMS CORP	Gas production and storage system and associated methods
WO 2024154243 A1	NIPPON TELEGRAPH & TELEPHONE	Sensor data collection method and sensor device
WO 2024168321 A1	VAYUAI CORP	Site planning for wind turbines using sensor networks
WO 2024125680 A1	NOVOTNY LUDEK	Apparatus for retaining the internal atmosphere of a positive pressure protective suit
WO 2024159077 A2	MICROCHIP TECH INC	Self-cleaning safety system
WO 2024167835 A2	SUNG DAE HAN	Fiber / nanomaterial composite mesh sensor
WO 2024108183 A1	CTC GLOBAL CORP	Systems and methods for operating an overhead electrical line
WO 2024130339 A1	CORROSION INSTR PTY LTD	Corrosion protection system
WO 2024151671 A1	AMULET CRITICAL INFRASTRUCTURE INC	High-visibility ballistic safety vest
WO 2024147755 A1	BIOCELL ANALYTICA UPPSALA AB	Biosensor for water analysis
WO 2024172746 A1	STREAM ANALYZE SWEDEN AB	Method and system for data processing
WO 2024147913 A1	VIEW INC	Occupancy determination techniques
WO 2024137650 A1	KAI SYSTEMS	Kinetic event remote monitoring system
WO 2024136817 A1	ATATUERK UENIVERSITESI FIKRI MUELKIYET HAKLARI KOORDINATOERL UEGUE DOENER SERMAYE ISLETMESI	Odor sensor with odor image conversion and deep learning
WO 2024159323 A1	ALTIMUS DESIGN INC	System and method for water usage monitoring
WO 2024134581 A1	B G NEGEV TECHNOLOGIES AND APPLICATIONS LTD AT BEN GURION UNIV	A hydrogen sensor and use thereof

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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.



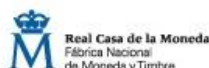
Los ITPs** de la OEPM nos han ahorrado horas de revisión bibliográfica para definir el punto de partida de nuestros proyectos de I+D.



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.



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