

Boletín VT

REDES DE SENSORES INALÁMBRICAS

50

2.º trimestre 2022

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 2022132792 A1	HOLLIDAY JOHN	Symbiotic agricultural system
WO 2022140569 A1	HEARTLAND AG TECH INC	Condition based monitoring of irrigation
WO 2022073936 A1	UNIV GENT	A wireless light dosimeter
WO 2022090539 A1	UNIV DRESDEN TECH	Software method for opto-sensory detection, measurement and valuation of tool conditions
WO 2022125999 A1	RAVEN IND INC	Sensor fusion in agricultural vehicle steering
WO 2022115905 A1	COMMW SCIENT IND RES ORG	"Livestock monitoring"
WO 2022076542 A1	FOREVER OCEANS CORP	Autonomous real-time feed optimization and biomass estimation in aquaculture systems
WO 2022102593 A1	SONY GROUP CORP	Sensor device
WO 2022123448 A1	EASTON ROBOTICS LLC	Robotic farm system and method of operation
WO 2022125092 A1	CARAVAN TECH LLC	Arrangement, bolus, tag and method for monitoring the physiological state of an animal
WO 2022058413 A1	GUEDER FIRAT	Gas sensor with first and second electrodes and a reagent for binding the target gas
WO 2022063894 A1	SIGNIFY HOLDING BV	Horticultural lighting
WO 2022102570 A1	SONY GROUP CORP	Sensor device
WO 2022096159 A1	HUSQVARNA AB	Watering robot and associated watering system
WO 2022125453 A1	CANON VIRGINIA INC	Plant detection and display system
WO 2022108770 A1	X DEV LLC	Normalizing counts of plant-parts-of-interest
WO 2022072049 A1	HILLS PET NUTRITION INC	System and method for associating a signature of an animal movement and an animal activity
WO 2022090852 A1	PREC PLANTING LLC	Vision system
WO 2022120496 A1	TECH NECTAR INC	System and method for monitoring, identifying and recording beehive status
WO 2022070232 A1	SATAKE ENG CO LTD	Method for acquiring protein content in cereal
WO 2022104210 A1	WOODS HOLE OCEANOGRAPHIC INST	Aquaculture monitoring system and method
WO 2022106803 A1	ZORROX CONSULTING LTD	A gas measurement device
WO 2022102295 A1	SONY GROUP CORP	Imaging device
WO 2022108975 A1	NCH CORP	System and method for monitoring and adding disinfectant in animal drinking water using oxidation-reduction potential
WO 2022119461 A1	PHILIPPINE SCIENCE HIGH SCHOOL CENTRAL VISAYAS CAMPUS	Aquaculture monitoring device
WO 2022094626 A1	MA IND LLC	Crop input application apparatus, systems and methods
WO 2022113260 A1	RAKUTEN GROUP INC	Sensing system, sensing data acquisition method, and control device
WO 2022117005 A1	HAIER SMART HOME CO LTD	Indoor garden center having drive assembly using position feedback

WO 2022119938 A1	UNIV NORTH CAROLINA STATE	Real-time condition assessment of living plants by distributed sensing of plant-emitted volatiles
WO 2022095016 A1	SZ DJI TECHNOLOGY CO LTD	Agricultural plant protection equipment
WO 2022112821 A1	RYNAN TECH PTE LTD	Smart aquaculture growth and health monitoring system
WO 2022102555 A1	SONY GROUP CORP	Sensor device
WO 2022094631 A1	MA IND LLC	Crop input application apparatus, systems and methods
WO 2022093101 A1	VAEDERSTAD HOLDING AB	Agricultural implement for soil working and method of determining working depth of soil working agricultural implement
WO 2022094577 A1	DEERE & CO	Apparatus, method and system for livestock feeding
WO 2022095034 A1	SZ DJI TECHNOLOGY CO LTD	Liquid storage tank and agricultural plant protection mobile platform
WO 2022087530 A1	AUTOMATED PET CARE PRODUCTS LLC	Smart litter device with entry barrier
WO 2022087757 A1	KOSSMANN PERL HANS JORG	Continuous in-situ therapeutic treatment system for freshwater fish using seawater
WO 2022084516 A1	SEASONY IVS	Autonomous robot and method for operating an autonomous robot
WO 2022124755 A1	UNIV KONKUK IND COOP CORP	Virtual crop cultivation system and method using augmented reality and virtual reality
WO 2022093862 A1	SEEKOPS INC	Methods and apparatus for measuring methane emissions within a mesh sensor network
WO 2022096970 A1	AGCO DO BRASIL SOLUCOES AGRICOLAS LTDA	Agricultural implements having sensors to detect plugging of row units, and related control systems and methods
WO 2022102746 A1	UNIV KYOTO	Device for diagnosing environmental stress in plants and method for diagnosing environmental stress
WO 2022123194 A1	LIGHT SCIENCE TECH LIMITED	Sensor arrangement
WO 2022091697 A1	SONY GROUP CORP	Information processing device, information processing method, and program
WO 2022102943 A1	BI BIO PHOTONICS CO LTD	Light-based water treatment device and water quality management system including same
WO 2022063693 A1	BASF SE	Use of dispensing devices in agricultural applications
WO 2022076737 A1	CTB INC	Devices and methods for managing animals in an enclosure
WO 2022125205 A1	EXPOSURE ILLUMINATION ARCH INC	Plant irrigation apparatus. Use of such plant irrigation apparatus and a method of optimizing a plant irrigation
WO 2022065352 A1	DESAMIS CO LTD	Farm animal parturition detection system and parturition detection method
WO 2022072345 A1	GROUNDTRUTH AG INC	Systems, methods and devices for using machine learning to optimize crop residue management
WO 2022099158 A1	POSTREL RICHARD	System and method for managing life sustaining bio-systems
WO 2022107619 A1	SONY GROUP CORP	Data analysis device and method, and program
WO 2022093566 A1	LINDSAY CORP	System and method for adjusting irrigation system scheduling
WO 2022055444 A1	SBS BILIMSEL BIO COEZUEMLER SANAYI VE TICARET A S	Control and monitoring system for pesticide and harmful bee drugs in bee hives
WO 2022061463 A1	G2V OPTICS INC	Illumination control system and methods for modulating plant behavior
WO 2022061370 A1	SALVUS LLC	Interferometric detection and quantification system and methods of use
WO 2022086325 A1	HANNOVER MILIEU EN VEILIGHEIDSTEC HNIEK B V	Method and system of processing soil containing roots of invasive plant species to inactivate the plant material in the soil
WO 2022109098 A2	APPAREO SYSTEMS LLC	Positioning system having radio frequency communications
WO 2022070025 A1	LELY PATENT NV	Air scrubber and method for scrubbing ammonia-containing air, as well as barn system
WO 2022103113 A1	UNIV KONKUK IND COOP CORP	Plant cultivator and method for operating same

WO 2022097053 A1	REID AND VERWEY CC	Methods and systems for agricultural substance application
WO 2022069670 A1	BASF AGRO TRADEMARKS GMBH	Real-time fertilization and/or crop protection decision making based on soil-, crop, field- and weather-related data wherein the soil-related data are obtained by a soil sensor
WO 2022072574 A1	JDSCAP SYNERGISTICS LLC	Closed loop just-in-time farm system
WO 2022060983 A1	UNIV COLORADO STATE RES FOUND	Fruit maturity and quality scanning
WO 2022063875 A1	ALCOMIJ BEHEER B V	Greenhouse comprising a climate control system
WO 2022064223 A1	CONNECTED ENERGY TECH LIMITED	A gas meter for a biogas digester
WO 2022064935 A1	DENSO CORP	Inspection device and inspection program
WO 2022109293 A1	DIVERSIFIED AGRICULTURE LLC	Agricultural building environmental control system
WO 2022064934 A1	DENSO CORP	Control device and irrigation program
WO 2022103714 A1	LINDSAY CORP	System and method for managing data of an irrigation system
WO 2022060234 A1	DEPARTMENT OF SCIENCE AND TECH – ADVANCED SCIENCE AND TECH INSTITUTE DOST ASTI	Meteorological data acquisition stations for information dissemination
WO 2022099403 A1	ECOATION INNOVATIVE SOLUTIONS INC	Generation of stereo-spatio-temporal crop condition measurements based on human observations and height measurements
WO 2022086024 A1	LG ELECTRONICS INC	Plant cultivation apparatus
WO 2022061199 A2	LEE MATTHEW	Animal feed composition comprising yeast extract and system for making and distributing the same
WO 2022093864 A1	SEEKOPS INC	Methods and apparatus for measuring methane emissions with an optical open-cavity methane sensor
WO 2022069685 A2	DANIEL BRAND GMBH	Method for requirement-based determination of water and/or nutrient requirements of individual trees, and water reservoir
WO 2022085857 A1	KWON SU HYEON	Greenhouse having automatic control variability according to internal and external environmental conditions, and method for managing same
WO 2022081582 A1	QUAESTA INSTR LLC	Systems and methods for cosmogenic neutron sensing moisture detection in agricultural settings
WO 2022099401 A1	ECOATION INNOVATIVE SOLUTIONS INC	Stereo-spatio-temporal crop condition measurements for plant growth and health optimization

[...ver más](#)

REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2022122750 A1	SCHREDER SA	Network system using fog computing
WO 2022119611 A1	GM CRUISE HOLDINGS LLC	Autonomous vehicle high-priority data offload system
WO 2022122755 A1	SCHREDER SA	Self-learning system with sensors
WO 2022093224 A1	GOOGLE LLC	Surface detection and geolocation
WO 2022120481 A1	HUAWEI TECH CANADA CO LTD	A method to improve global query performance in an edge network
WO 2022103829 A1	MAPPED INC	Automatic discovery of automated digital systems through link salience
WO 2022100353 A1	IBM	Power line georectification
WO 2022053149 A1	HITACHI LTD	System and method for implementing a distributed ising machine
	HITACHI EUROPE LTD	
WO 2022073020 A1	REKOR SYSTEMS INC	Systems and methods for policy centric data retention in traffic monitoring
WO 2022086999 A1	APPLIED PARTICLE TECH INC	Wireless exposure monitor
WO 2022065546 A1	LG ELECTRONICS INC	Method for protecting v2x communication in wireless communication system
WO 2022075499 A1	LG ELECTRONICS INC	Method, performed by terminal, for protecting v2x communication in wireless communication system
WO 2022120220 A2	SIDEWALK LABS LLC	Wireless occupancy sensors and methods for using the same
WO 2022098297 A1	MANN HUMMEL LIFE SCIENCES & ENV HOLDING SINGAPORE PTE LTD	Metadata driven method and system for airborne viral infection risk and air quality analysis from networked air quality sensors
WO 2022108566 A1	ST YAZILIM PROGRAMCILIK GIDA SANAYI TICARET LTD SIRKETI	Digital intelligence system used for parking lot management system
WO 2022064208 A1	BLUETOOTH MESH SOLUTIONS LTD	lot mesh system
WO 2022066047 A1	AKTSIONERNOE OBSHCHESTVO MIKRON	Device for remote monitoring of the condition of refuse containers
WO 2022061472 A1	RECYCLESMAST SOLUTIONS INC	Systems and methods for waste management
WO 2022057912 A1	HUAWEI CLOUD COMPUTING TECH CO LTD	Method and system for adaptive cycle-level traffic signal control
WO 2022114925 A1	SAMSUNG ELECTRONICS CO LTD	Method and apparatus for cooperative scheduling in a mobile communication system
WO 2022061422 A1	FIBER SENSE PTY LTD	Fibre optic sensing method and system for generating a dynamic digital representation of objects and events in an area
WO 2022061471 A1	RECYCLESMAST SOLUTIONS INC	Waste management device

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REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2022147558 A1	NEXTIVITY INC	Systems and methods for providing environmental data to first responders
WO 2022073639 A1	EATON INTELLIGENT POWER LTD	Personal protective equipment compliance and personal wellness monitoring systems and methods with intelligent sensor units and proximity sensing
WO 2022073638 A1	EATON INTELLIGENT POWER LTD	Personal protective equipment compliance and personal wellness monitoring system with intelligent connected faceshields
WO 2022109104 A2	SIMPLISAFE INC	System and method for property monitoring
WO 2022100891 A1	AIRBUS OPERATIONS SAS	Aircraft comprising a system for detecting a fire in a turbomachine
WO 2022136134 A1	LOX CONTAINER TECH AB	Detector twistlock unit for containers with sensors and system using such detector twistlocks units
WO 2022089951 A1	BOSCH GMBH ROBERT	Vehicle having a fuel tank, a tank controller and a system having a sensor interface and at least one communication interface
WO 2022091346 A1	HOCHIKI CO	Disaster prevention apparatus
WO 2022079441 A1	PARADIGM FLOW SERVICES LTD	Method and apparatus for testing a tunnel fire suppression system
WO 2022073899 A1	EATON INTELLIGENT POWER LTD	Personal protective equipment systems and methods for detecting removal of the equipment and other status conditions
WO 2022125687 A1	JOHNSON CONTROLS TYCO IP HOLDINGS LLP	Air quality control system with mobile sensors
WO 2022096045 A1	FAGUS GRECON GRETEN GMBH & CO KG	Monitoring and extinguishing device
WO 2022113088 A1	UNGER OMER	Method and system for predicting a hazard event
WO 2022119465 A1	FEDERALNOE GOSUDARSTVEN NOE UNITARNOE PREDPRIYATIE ROSSIJSKIY FEDERALNYJ YAYDERNYJ TSENTR VSEROSSIJSK	System for protecting computer equipment in a data center
WO 2022076014 A1	ELECTROLUX HOME PROD INC	Fire prevention system
WO 2022084154 A1	ZYNNON AG	Multifunctional sensor for monitoring premises and methods using such a sensor
WO 2022093966 A1	SAUDI ARABIAN OIL CO	Detecting and monitoring gas leaks in an industrial setting
WO 2022115496 A1	MILLER JAMES M	Fluid and target compound transmission protective device
WO 2022073520 A1	TIANJIN SVRUI INTELLIGENT ELECTRICAL CO LTD	Cable
WO 2022098988 A1	WILDFIRE SHIELD	Systems and methods for preventing the spread of fire
WO 2022119725 A1	VALMONT INDUSTRIES	System, method and apparatus for testing and evaluating flame resistance
WO 2022104736 A1	ZHOU LIANHUI	Method and system for managing forest resources
WO 2022102812 A1	ENITT CO LTD	Ess fire prevention system and method therefor
WO 2022079111 A2	FAGUS GRECON GRETEN GMBH & CO KG	Device and method for detecting by measurement fire-like events, and system for eliminating a hazardous state caused by a fire-like event
WO 2022072001 A1	ROSEMOUNT INC	Field device housing assembly
WO 2022084761 A1	3M INNOVATIVE PROPERTIES CO	Personal protective equipment for navigation and map generation within a visually obscured environment
WO 2022074484 A1	TYCO FIRE PRODUCTS LP	Inert gas fire suppression system for mobile equipment
WO 2022091345 A1	HOCHIKI CO	Disaster prevention apparatus
WO 2022076254 A1	LGHORIZON LLC	Predictive building emergency training and guidance system
WO 2022098149 A1	KOREA RES INST CHEMICAL TECH	Automated test device and test method for complex accelerated degradation test

WO 2022081022 A1	DIMEQ AS	An alarm detection system
WO 2022064311 A1	3M INNOVATIVE PROPERTIES CO	Device, system and method for monitoring respirator
WO 2022091347 A1	HOCHIKI CO	Disaster prevention device
WO 2022089709 A1	DAHMANE SMAIL	A device with automatic triple protection against all types of fire in the engine, fuel filling chamber and fuel tank of cars and vehicles
WO 2022086192 A1	MOVIC LAB INC	Method for setting threshold value of sensor
WO 2022092460 A1	MOVIC LAB INC	Method for generating abnormal state detection model
WO 2022106295 A2	IBM	Battery fire suppressant system
WO 2022108594 A1	GRID20/20 INC	Wildfire and public safety event detection systems and methods
WO 2022092954 A1	LG ENERGY SOLUTION LTD	Pouch-type battery cell comprising electrode lead capable of maintaining constant internal pressure, and battery pack comprising same

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OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2022104318 A1	EMBER TECH INC	Portable cooler
WO 2022070295 A1	NIPPON TELEGRAPH & TELEPHONE	System and method for collecting metadata, and sensor terminal
WO 2022117611 A1	TRINAMIX GMBH	Spectral sensing device and method for measuring optical radiation
WO 2022122303 A1	KNORR BREMSE SYSTEME	Digital train determination assistant
WO 2022103886 A1	THAKORE KARTIK	Systems and methods for preparing and deploying cross-platform applications
WO 2022125676 A1	AMAZON TECH INC	Smart deployment of industrial iot workloads
WO 2022114951 A1	FNV IP BV	Cone penetrometer testing probe with integrated hammer blow module
WO 2022115237 A1	BENDIX COMMERCIAL VEHICLE SYSTEMS LLC	Brake wear sensing apparatus and system
WO 2022117146 A1	SCHAEFFLER TECHNOLOGIES AG	Sensor unit for forming a sensor node in a wireless sensor network and wireless sensor network comprising such a sensor node
WO 2022100801 A1	GEA PROCESS ENG A/S	Sensor system for monitoring a powder handling device, and a powder handling device comprising such a sensor system
WO 2022101057 A1	SIGNIFY HOLDING BV	Render of disinfectant light with ir and uv components
WO 2022125628 A1	SAUDI ARABIAN OIL CO	Detecting and monitoring formation features with an optical fiber
WO 2022101807 A1	3M INNOVATIVE PROPERTIES CO	Method and apparatus for maintaining airflow in a powered air purifying respirator
WO 2022109609 A1	ECOLAB USA INC	Pest detection using sensor with textured surface
WO 2022123265 A1	APPY RISK TECH LIMITED	A method of synchronising datasets
WO 2022101808 A1	3M INNOVATIVE PROPERTIES CO	Method and apparatus for maintaining airflow in a powered air purifying respirator in high magnetic fields
WO 2022108448 A1	WINZA HOLDING B V	Assembly comprising an adapter and a cap
WO 2022069827 A1	TELLUX	Method for analyzing soil pollution
WO 2022073125 A1	INTELLIGENT WELLHEAD SYSTEMS INC	System and method for monitoring well operations
WO 2022083914 A1	EBM PAPST MULFINGEN GMBH & CO KG	Warning detector for warning of excessively high pollution of the air with particles and, in particular, viruses of a certain size
WO 2022063380 A1	URBAN DEVELOPMENT TECH APS	Access system with an electronic lock
WO 2022075928 A1	EM ELEKTRIK MALZEMELERI YUEKLENIM SANAYI TICARET ANONIM SIRKETI	Intelligent link box with early warning system for online monitoring of sheath bonding system and high voltage cable accessories
WO 2022109794 A1	SCHAEFFLER TECHNOLOGIES AG	Rolling bearing assembly capable of realizing self-monitoring
WO 2022119876 A1	MITRI JAMIE	System and method for air filtration and therapeutic relief
WO 2022048921 A1	NOKIA TECHNOLOGIES OY	Hierarchical positioning for low cost and low power asset tracking
WO 2022107137 A1	METRYCOM COMMUNICATION S LTD	Smart grid sensor with power harvesting from low line currents
WO 2022076509 A1	SAUDI ARABIAN OIL CO	Wellhead growth monitoring system

WO 2022079550 A1	UNIV KING ABDULLAH SCI & TECH	Pretraining system and method for seismic data processing using machine learning
WO 2022115809 A1	LUTRON TECH CO LLC	Sensor for detecting glare conditions
WO 2022028656 A1	BOSCH GMBH ROBERT	Sensor and sensor network
WO 2022109738 A1	OQAB DIETRICH INDUCTION INC	Autonomous vehicle systems and methods for gravity gradiometry
WO 2022069899 A1	5G3I LTD	A sensing system
WO 2022058183 A1	IBM	Integrating device identity into a permissioning framework of a blockchain
WO 2022121850 A1	HAIER SMART HOME CO LTD	Refrigeration appliance water filter having embedded water leakage sensor
WO 2022109476 A1	ADRENALINEIP	Method of using an integrated sports wagering system
WO 2022115178 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Methods and systems for recognizing video stream hijacking on edge devices
WO 2022129831 A1	DYSON TECHNOLOGY LTD	Filter test device for a portable air purifier
WO 2022104418 A1	THE MIGRATION COMPANY PTY LTD	Devices and methods for transferring optimized mass data to the cloud
WO 2022111179 A1	HUAWEI TECH CO LTD	Wireless sensing units, systems, methods, and media
WO 2022132605 A1	CATERPILLAR INC	System and method for processing data from a particle monitoring sensor
WO 2022058493 A1	SENSIRION AG	Method for manufacturing an electrochemical gas sensor
WO 2022109189 A1	CHILLED BEAM CONTROLS LLC	Terminal unit and method for improved indoor cooling
WO 2022102069 A1	NIPPON TELEGRAPH & TELEPHONE	Information output system, information output method, estimation device, and program
WO 2022076702 A1	UNIV SOUTH FLORIDA	Smart mosquito trap for mosquito classification
WO 2022120643 A1	ADEMCO INC	Tamper detection
WO 2022094176 A1	SCHLUMBERGER TECHNOLOGY CORP	Machine learning synthesis of formation evaluation data
WO 2022113077 A1	GARDA TECH LTD	A system and method for controlling quality of cooking
WO 2022032381 A1	HUMANSYSTEMS INCORPORATED	Systems, devices, and methods for protecting against respiratory hazards
WO 2022086786 A1	MICRON TECHNOLOGY INC	Deep learning accelerator in memory utilized in factory safety monitoring systems
WO 2022069338 A1	SIGNIFY HOLDING BV	Systems and methods for interactive lighting control
WO 2022069633 A1	ELPRO GMBH	Method for integrating a plant component into a plant system
WO 2022069990 A1	KALUSH EDAN	Method and system for monitoring and testing industrial valves
WO 2022103336 A1	UNIV NANYANG TECH	Methods and devices for determining tropical environment protective gear wearing
WO 2022096756 A1	ASOC CENTRO TECNOLOGICO CEIT	Ultrasound method for measuring the corrosion of a metal structure
WO 2022107128 A1	TELDOR CABLES & SYSTEMS LTD	Distributed vibration sensing over optical fibers
WO 2022104453 A1	NAT RES COUNCIL CANADA	Biosensor for water toxicity monitoring
WO 2022107138 A1	METRYCOM COMMUNICATION S LTD	System and method for detecting ground faults in power distribution grids
WO 2022115190 A1	ZEBRA TECH CORP	Monitoring and feedback system for processing container loads to direct performance outcomes
WO 2022114660 A1	IUCF HYU ERICA CAMPUS	Capacitive gas sensor and method for manufacturing same
WO 2022065999 A1	MIMOS BERHAD	A method for power and signal directivity of a wireless sensor network
WO 2022077935 A1	QINGDAO HAIER INST OF INDUSTRIAL INTELLIGENCE	Data storage method and device for industrial internet platform, and data retrieval method and device for industrial internet platform

WO 2022092410 A1	WOOYEON SYSTEM CORP	Ctd-based salt concentration monitoring system
WO 2022119029 A1	SRENG CO LTD	Autonomous quakeproof system
WO 2022058912 A1	ENERSOFT INC	Multiple-sensor analysis of geological samples
WO 2022065626 A1	GNS ENG CO LTD	Underground pollutant treatment apparatus using wind energy and groundwater purification apparatus having power-saving backwashing function
WO 2022101882 A1	IND TECH PTY LTD	Drone system for powerline inspection using radio frequency scanning techniques
WO 2022098305 A1	ASTORIA SOLUTIONS PTE LTD	Autonomous safety violation detection system through virtual fencing
WO 2022073056 A1	PESTSENSE HOLDINGS PTY LTD	Bait station
WO 2022095333 A1	BEIXING INSTITUTE OF SPACE INFORMATION TECH NANJING CO LTD	Multi-sensor-based soil test method
WO 2022064342 A1	TEKNOVIS3 S R L	A system for monitoring and calculating the energy saving and co2 emission reduction
WO 2022060845 A1	AMPHENOL THERMOMETRICS INC	Thermal runaway detection systems for batteries within enclosures and methods of use thereof
WO 2022104107 A2	BRADFORD WHITE CORP	Electronic switch system for a water heater
WO 2022080157 A1	EBARA CORP	Monitoring system, monitoring device, and machine monitoring method
WO 2022057386 A1	CHANGXIN MEMORY TECH INC	Environment monitoring system
WO 2022093275 A1	HITACHI VANTARA LLC	A failover mechanism for iot gateway
WO 2022100191 A1	BEIJING TIANYUAN NETWORK TECH CO LTD	Data fusion method and system for distributed sensor network
WO 2022083136 A1	CHINA RAILWAY NO 9 GROUP ELECTRICAL ENG CO LTD	Internet of things centralized control system for raising and lowering type floodlight tower for railway
WO 2022097178 A1	LAKI POWER EHF	Surveillance and weather stations on overhead power lines
WO 2022075401 A1	MIRAIE CORP	Deodorization treatment device and information collection system
WO 2022032059 A1	ANALOG DEVICES INC	Secure passive wireless sensor and related methods
WO 2022081881 A1	BAKER HUGHES OILFIELD OPERATIONS LLC	Intelligent mobile oilfield analytics platform
WO 2022087261 A1	EMERSON CLIMATE TECHNOLOGIES	Refrigerant leak sensor measurement adjustment systems and methods
WO 2022072951 A1	TRACKONOMY SYSTEMS INC	Distributed intelligent software for vibration and acoustic monitoring and systems and methods implementing the same
WO 2022060652 A1	TEXAS INSTRUMENTS INC	Humidity sensor
WO 2022078999 A1	BENECKE KALI KO AG	Intelligent membrane systems and methods
WO 2022104358 A1	HUM INDUSTRIAL TECH	Wireless onboard railroad bearing condition monitoring system
WO 2022072174 A1	EMERSON CLIMATE TECHNOLOGIES	Refrigerant leak sensor power control systems and methods
WO 2022066685 A1	CORNELLCOOKS ON LLC	Communication interface device for wireless door controllers
WO 2022087661 A1	BRADKEN RESOURCES PTY LTD	Wear member monitoring system

WO 2022086979 A1	CAMBRIDGE MOBILE TELEMATICS INC	Method and system for accessing historical sensor data without location services
WO 2022067475 A1	HUAWEI DIGITAL POWER TECH CO LTD	Wireless power supply apparatus and wireless power supply terminal
WO 2022072948 A1	TRACKONOMY SYSTEMS INC	System and method of generating environmental profiles for determining logistics of assets
WO 2022060296 A1	DATAKREW PTE LTD	Gateway and bridge devices for secure internet of things
WO 2022064047 A2	SCARABEE SYSTEMS & TECH B V	Screening device and method for screening a person

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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.

** Los Informes Tecnológicos de Patentes o ITPs son estudios a la medida que incluyen una búsqueda de patentes y de literatura científica con un análisis en profundidad de los documentos más relevantes. Su coste es de 440 euros más IVA.