

Boletín VT

REDES DE SENSORES INALÁMBRICAS

55

3.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, contaminación, 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 2023121588 A1	COWEALTHY TEKNOLOJI ANONIM SIRKETI	An animal tracking system
WO 2023177610 A1	SYNGENTA CROP PROT AG	Plant stalk strength measuring device
WO 2023177738 A1	CHEVRON U S A INC	System for robotic characterization of impacted sites
WO 2023118554 A1	BASF AGRO TRADEMARKS GMBH	Method for determining a treatment schedule for treating an agricultural field based on the matching with the field potential
WO 2023129850 A1	LINDSAY CORP	Improved overcurrent protection for irrigation system motors
WO 2023119871 A1	KUBOTA KK	Route-planning system and route-planning method for automatically traveling farm machine
WO 2023126481 A1	MANNA INSECT OY	Method and arrangement for rearing insect larvae
WO 2023158414 A1	YONCA TEKNOLOJI MUHENDISLIK VE ELEKTRONIK HIZ LTD STI	A sensor device for sensing humidity rate in the soil
WO 2023163886 A1	AQUABYTE INC	Multi-modal aquatic biomass estimation
WO 2023161545 A1	PENA CABELLO DANIEL	Air-conditioning system for farms
WO 2023160943 A1	CNH IND ITALIA SPA	Autonomous control system of a weeding tool connected to an agricultural vehicle
WO 2023159284 A1	AGROMAC IND E COMERCIO DE EQUIPAMENTOS AGRICOLAS LTDA EPP	Combined actuating and sensing mechanism for applying, measuring and controlling fertilizers, seeds and/or amendments in overflow-type helical metering dispensers
WO 2023131785 A1	NATURE BASED SOLUTIONS GLOBAL LTD	Algae cultivation apparatus
WO 2023152483 A1	KURT SYSTEMS UK LTD	Equine fitness monitor system
WO 2023119119 A1	SCARAB SOLUTIONS LTD	Monitoring apparatus and method for monitoring operation of fluid dispensing system
WO 2023140323 A1	CENTRAL INST FOR EXPERIMENTAL ANIMALS	Analysis assistance device, analysis assistance method, and computer program
WO 2023158489 A1	FLORIDA ATLANTIC UNIV BOARD OF TRUSTEES	Platform-independent mobile environmental sensing system
WO 2023161477 A1	DB2 VISION B V	Multispectral imaging system and method for using the system
WO 2023127437 A1	KUBOTA KK	Agricultural machine
WO 2023112515 A1	KUBOTA KK	Map generation system and map generation method
WO 2023147923 A1	HUSQVARNA AB	A valve assembly for an irrigation system
WO 2023113633 A1	BEEHOLD D O O NIS	Frame with sensors for sampling honeycomb content based on the method of absorption spectroscopy
WO 2023119777 A1	TDK CORP	Humidity sensor
WO 2023127556 A1	KUBOTA KK	Agricultural machine, sensing system for use in agricultural machine, and sensing method

WO 2023163081 A1	DENSO CORP	Irrigation system and control device
WO 2023163600 A1	METHANE MITIGATION VENTURES LTD	Intraruminal device and method
WO 2023110889 A1	MICHELIN & CIE	Method for determining the humidity of an agricultural soil
WO 2023127557 A1	KUBOTA KK	Agricultural machine, sensing system used in agricultural machine, and sensing method
WO 2023127353 A1	KUBOTA KK	Agricultural machine, sensing system, sensing method, remote operation system, and control method
WO 2023150744 A1	LABBY INC	Computer-implemented apparatus and method for analyzing milk
WO 2023128211 A1	E MOTION CO LTD	Artificial-intelligence-based real-time actively controlled poultry house environment control system
WO 2023147637 A1	GUIMARAES MACHADO FREIRE MARCELLO	Automated system and method for planting nursery saplings
WO 2023156693 A1	ZUCAMI POULTRY EQUIPMENT S L U	Method and system for detecting irregularities in a poultry farming facility
WO 2023158055 A1	AUTOELEX CO LTD	Animal care chamber
WO 2023141221 A1	LILLIANA TECH INC	Environmental treatment distribution systems and methods
WO 2023111868 A1	HALTER USA INC	Apparatus to guide animals and method therefor
WO 2023144293 A1	BASF AGRO TRADEMARKS GMBH	Plant disease detection at onset stage
WO 2023111724 A1	AGCO CORP	System and method for measuring and reporting windrow moisture
WO 2023150219 A1	J & M MFG CO INC	Automated grain unloading system and related methods
WO 2023107022 A1	ANTALYA BILIM UNIV REKTORLUGU	An autonomous spraying system controlled by artificial intelligence
WO 2023150329 A1	ZIMENO INC DBA MONARCH TRACTOR	Sensor maintenance
WO 2023157006 A1	SHABAT MATAN	Apparatus for growing consumable products
WO 2023144141 A1	FRAUNHOFER GES FORSCHUNG	Electronic sensor for sensing an environmental parameter
WO 2023153664 A1	KIM DAE SUNG	Animal control device and animal control system including same
WO 2023143277 A1	GLOBE JIANGSU CO LTD	Ground auger
WO 2023113588 A1	IRGA SDN BHD	An improved cutter
WO 2023139426 A1	GSI GROUP LLC	Hardware agnostic systems for converting source signals of agricultural equipment to structured signals for communication over computer networks
WO 2023154265 A1	KOOIMA AG INC	System and apparatus for providing driver pacing information for agricultural vehicles
WO 2023111787 A1	LELY PATENT NV	Milking system with sampling and analysis
WO 2023149830 A1	AIRFORESTRY AB	A method for remotely and/or autonomously harvesting a tree from air
WO 2023147648 A1	MOJOW AUTONOMOUS SOLUTIONS INC	Field mapping system and method
WO 2023135537 A1	VERDI EXPEDITIONS INC	Systems and methods of controlling resource distribution to a field
WO 2023133198 A1	LINDSAY CORP	Tilt monitoring system for a mobile irrigation system
WO 2023129714 A1	BASF CORP	Systems and methods for plant health modeling
WO 2023136846 A1	SOIL IN FORMATION PBC	Soil parameter sensor system
WO 2023122310 A2	ECHEVARRIA CLINT	Selectively controllable irrigation systems
WO 2023147278 A2	LAIRD KYLER	Autonomous crop harvest and storage system
WO 2023150140 A2	HAFTAL LLC	System and method for non-invasive animal health sensing and analysis

[...ver más](#)

REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2023126541 A1	ORBIWISE SA	Physical parameter measuring and/or monitoring device, system and method
WO 2023161589 A1	LOGEZ FREDERIC	Method and system for controlling a water reservoir
WO 2023126390 A1	BOSCH GMBH ROBERT	Vehicle tracking and detection method and device based on roadside sensor
WO 2023121525 A1	PROPTECHCORE AB	Methods, edge computing control node, edge computing assistant node and edge computing terminal device for handling information in a communication network
WO 2023170219 A1	ANTICIMEX INNOVATION CENTER AS	A system for monitoring rodents in a sewage system, a monitoring device and methods related there to
WO 2023159213 A2	KAMANGAR NAZAR	Systems and methods for parking management and enforcement
WO 2023147892 A1	NEC LABORATORIES EUROPE GMBH	Long-term accurate crowd estimation in smart cities
WO 2023157115 A1	NEC CORP	Disaster monitoring device, disaster monitoring system, disaster monitoring method, and recording medium
WO 2023154609 A1	HAYDEN AI TECH INC	Methods and systems for trusted management of traffic violation data using a distributed ledger
WO 2023111832 A1	WI4B S R L	Adaptive street lighting system
WO 2023156658 A1	SCHREDER ILLUMINACAO SA	System and method for determination of traffic flow information using external data
WO 2023135498 A1	NEXTNAV LLC	Identifying erroneous calibration values of a barometric air pressure sensor
WO 2023157082 A1	MITSUBISHI ELECTRIC BUILDING SOLUTIONS CORP	Installation position recommendation method and installation position recommendation system
WO 2023114037 A1	ZOOX INC	Lidar point cloud alignment validator in hd mapping
WO 2023150447 A1	ADEMCO INC	Water management
WO 2023129098 A1	ATATUERK UENIVERSITESI REKTOERLUEGUE BILIMSEL ARASTIRMA PROJELERI BAP KOORDINASYON BIRIMI	Post-earthquake disaster management system and method facilitating search and rescue activities
WO 2023154423 A1	ACLIMA INC	Signature detection in environmental data
WO 2023135049 A1	SIGNIFY HOLDING BV	A method of and a system for transmitting a block of data to node devices in a network
WO 2023145996 A1	ROCKWONIT GLOBAL CO LTD	Digital twin platform for supporting energy management and optimization of energy-consuming building
WO 2023149904 A1	N5 SENSORS INC	Systems and methods for detecting conditions in an environment around a device
WO 2023137459 A1	PIED PARKER INC	Systems and methods for secure communications via blockchain for use in image-based parking systems
WO 2023142045 A1	ERICSSON TELEFON AB L M	Method and apparatus for determining alarm flood cause
WO 2023129097 A2	ATATUERK UENIVERSITESI REKTOERLUEGUE BILIMSEL ARASTIRMA	Smart pedestrian crossing for the visually impaired

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REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2023096048 A1	SCHAFFENGOTT CO LTD	Disaster safety detection method using replaceable rotation module, and device for performing method
WO 2023116962 A1	VTI VENTIL TECHNIK GMBH	Trigger device for a fire extinguishing assembly
WO 2023126413 A1	VERISURE SARL	Sensor node for security monitoring systems
WO 2023126307 A1	VERISURE SARL	Intruder localisation
WO 2023159070 A1	KLIMANOVUS LLC	Systems and methods for automatic environmental planning and decision support using artificial intelligence and data fusion techniques on distributed sensor network data
WO 2023126164 A1	SIGNIFY HOLDING BV	Liquid supply system for a livestock farm
WO 2023174641 A1	SIEMENS SCHWEIZ AG	Fire detector having unheated thermistors, in particular nctcs, for capturing thermal fluctuations in the region of the inlet openings, and corresponding method
WO 2023120025 A1	PANASONIC IP MAN CO LTD	Alarm system, alarm cooperation system, cooperation method, and program
WO 2023156446 A1	SCHOTT AG	Infrared image system and image guide for infrared image transfer
WO 2023147996 A1	ARTHA FRANCE	Orientation assistance system comprising means for acquiring a real or virtual visual environment, non-visual human-machine interface means and means for processing the digital representation of said visual environment.
WO 2023108258 A1	HUMANSYSTEMS INCORPORATED	Systems, devices, and methods for protecting against respiratory hazards using different modes
WO 2023108252 A1	MERCEDES TEXTILES LTD	Protection system to automatically protect an engine-driven pump
WO 2023152956 A1	HOCHIKI CO	Fire detection device
WO 2023158832 A1	IOT TECH LLC	Systems and methods for detecting and cleaning certain substances
WO 2023131884 A1	TYCO FIRE PRODUCTS LP	Systems and methods for indicating device state
WO 2023120917 A1	SAMSUNG ELECTRONICS CO LTD	System and method for introducing a new emergency alert using modular tag device
WO 2023143712 A1	ERICSSON TELEFON AB L M	Emergency call with ios data
WO 2023146958 A1	ROVI GUIDES INC	Smart home management system for generating augmented reality scene of potentially hazardous condition
WO 2023132594 A1	ROZETATECH CO LTD	Fire detector and fire detector operation method
WO 2023151155 A1	NANJING PULAN ATMOSPHERIC ENVIRONMENT RES INSTITUTE CO LTD	Quantification system for normalized contribution potential of district (county)-scale biomass combustion source
WO 2023096603 A1	ISTANBUL TEKNİK UNIV BILIMSEL ARASTIRMA PROJE BIRIM	An outdoor air quality monitoring and warning system
WO 2023146813 A1	SPARX TECH LLC	Mesh network fire suppression system and associated methods
WO 2023152957 A1	HOCHIKI CO	Fire detection device
WO 2023140673 A1	LG ENERGY SOLUTION LTD	Fire monitoring device and method
WO 2023149712 A1	SAMSUNG ELECTRONICS CO LTD	Systems and methods for real-time occupancy detection and temperature monitoring of cooking utensils for food processing assistance
WO 2023133661 A1	GUANGZHOU INST TECH	Safety monitoring equipment for laboratory of higher education institution

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OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2023116244 A1	WUHU MIDEA KITCHEN & BATH APPLIANCES MFG CO LTD	Control device, water heater system and control method and apparatus therefor, and storage medium
WO 2023133151 A1	UNIVERSAL CITY STUDIOS LLC	Systems and methods for visual scene monitoring
WO 2023158321 A1	REFLECTION MARINE NORGE AS	Long offset low frequency seismic surveys using optical fibers
WO 2023160797 A1	NOKIA TECHNOLOGIES OY	Sensing in networks
WO 2023116588 A1	VIVO MOBILE COMMUNICATION CO LTD	Wireless sensing parameter determination method and apparatus, and device
WO 2023152601 A1	UNIV KING ABDULLAH SCI & TECH	Iodine gas sensor and method
WO 2023158926 A1	JOHNSON CONTROLS TYCO IP HOLDINGS LLP	Systems and methods for detecting security events in an environment
WO 2023172796 A1	MOTOROLA SOLUTIONS INC	Monitoring system and method for identifying a changed object of interest using an access control system
WO 2023177753 A1	APPLIED MAT INC	Process characterization and correction using optical wall process sensor (owps)
WO 2023128879 A1	GOLDEN LIONS S R O	Mobile multifunctional module for animal housing
WO 2023153978 A1	ERICSSON TELEFON AB L M	Ue history information (uhi) and mobility history information (mhi) during scg activation/deactivation
WO 2023156281 A1	FRAUNHOFER GES FORSCHUNG	System with an acoustic sensor and method for real-time detection of meteorological data
WO 2023156767 A1	GAS SENSING SOLUTIONS LTD	Gas sensor reference
WO 2023164059 A1	DATA SCIENCES INT INC	Inhalation exposure systems and methods
WO 2023152696 A1	PET INSTINCTS LTD	System and method for ensuring well being of pet
WO 2023164185 A1	SEEKOPS INC	Measurement-corrected wind profile for increased accuracy of wind flow field
WO 2023116589 A1	VIVO MOBILE COMMUNICATION CO LTD	Parameter determination method, apparatus, and device for wireless sensing
WO 2023117071 A1	ERICSSON TELEFON AB L M	Management of offline internet-of-things devices
WO 2023119395 A1	NIPPON TELEGRAPH & TELEPHONE	Communication system, control apparatus, control method, and program
WO 2023151777 A1	FRAUNHOFER GES FORSCHUNG	Electrical component
WO 2023159056 A1	COTY INC	Ai personal fragrance consultation and fragrance selection/recommendation
WO 2023175235 A1	NORMET OY	Monitoring system for monitoring a strength development of sprayed concrete
WO 2023120967 A1	SPILAB CORP	Apparatus and method for managing energy of building using reinforcement learning
WO 2023128030 A1	KOREA INSTITUTE OF OCEAN SCIENCE & TECH	Polar observation module equipped with active temperature-controlled housing
WO 2023156577 A1	KONINKLIJKE PHILIPS NV	Sensing handover method and corresponding sensing devices
WO 2023164123 A1	DUKE MFG CO	Networked food preparation apparatus
WO 2023173297 A1	HUAWEI TECH CO LTD	System and method for joint sensing of interference in a wireless network
WO 2023116993 A1	SYMOVO GMBH	Automated intralogistic system

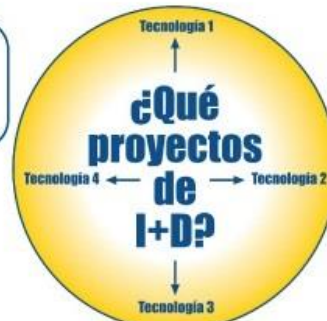
WO 2023156054 A1	BOSCH GMBH ROBERT	Method for communicating in a communication system having power tools, communication system, and power tool
WO 2023168488 A1	ELEMENT ENG AUSTRALIA PTY LTD	A data logger
WO 2023114121 A1	MARS INC	A computer-implemented method of predicting quality of a food product sample
WO 2023153920 A1	BHAJNIK SINGH MAHINDER SINGH	Direct expansion multi evaporator air-conditioning (demeac) optimization system
WO 2023112166 A1	JTEKT CORP	Well monitoring system and monitoring program
WO 2023128025 A1	KOREA ELECTRONICS TECHNOLOGY	Small intelligent mobility device based on deep learning, and small intelligent mobility system based on deep learning
WO 2023135278 A1	TRASOLU APS	System for estimating the carbon dioxide emission of an individual vehicle delivery of tangible goods to a specific address
WO 2023156878 A1	EDWARDS KOREA LTD	Vacuum pump assembly with water leak detection
WO 2023122421 A1	CATERPILLAR INC	Method to determine fuse health
WO 2023135337 A1	BERNARD TECH GMBH	Method for calibrating an ego-device
WO 2023148654 A1	MEGGITT SA	Data concentration system
WO 2023164738 A1	FLEET SPACE TECH PTY LTD	Satellite-enabled node for ambient noise tomography
WO 2023113071 A1	YULLIN TECH CO LTD	Calorie supply system of manufacturing facility
WO 2023110716 A1	COMMISSARIAT ENERGIE ATOMIQUE	Method and apparatus for selecting, detecting, counting and identifying pollen and/or mould spores initially in suspension in atmospheric air
WO 2023158302 A1	UNIV DELFT TECH	Casing for irradiance sensors
WO 2023158724 A1	PABLA ARBINDER	Wireless sensor network
WO 2023148057 A1	SKIPPER NDT	Mapping method for monitoring the state of and/or geolocating a buried, half-buried or submerged structure, and associated geolocation method
WO 2023121734 A1	VEONEER US LLC	In-cabin temperature monitoring for child presence detection applications
WO 2023135377 A1	LENROULEUR FRANCAIS	Movable or fixed electric fence sensor and electric fence assembly incorporating such a sensor
WO 2023120786 A1	KOREA ELECTRONICS TECHNOLOGY	Gas facility safety management operation method using standard data model
WO 2023148520 A1	H UNLIMITED AG	A battery-operated gateway to transmit data from short range beacons over a low power wide area network
WO 2023168413 A2	UNIV NOTRE DAME DU LAC	Intelligent electronic nose system
WO 2023153934 A1	SCANTROL DEEP VISION AS	An underwater sensor, and a method for adjusting towing power of a vessel
WO 2023167446 A1	KIM SEUNG BUM	Concrete curing management device
WO 2023162017 A1	MITSUBISHI ELECTRIC CORP	Position and posture estimation device, position and posture estimation system, and sensor installation method
WO 2023144185 A1	BOSCH GMBH ROBERT	Monitoring device and method for the image-based monitoring of an area to be monitored, computer program and storage medium
WO 2023121841 A1	SELEX ES INC	Systems and methods for electronic surveillance
WO 2023122328 A1	AVEVA SOFTWARE LLC	Built-in retrieval mode for unit of measurement conversion
WO 2023144041 A1	BOSCH GMBH ROBERT	Automated characterization of multiple-input multiple-output (mimo) force-response problems employing subsequent single-input multiple-output (simo) or single-input single-output (siso) tests with embedded instrumentation
WO 2023152885 A1	NIPPON TELEGRAPH & TELEPHONE	Information processing method, information processing device, and information processing system
WO 2023154754 A1	SYSTEM LOCO LTD	System and method for dynamic asset tracking and monitoring
WO 2023155556 A1	DREAME INNOVATION TECH SUZHOU CO LTD	Self-moving device, method for controlling self-moving device, and device and storage medium
WO 2023131315 A1	VIVO MOBILE COMMUNICATION CO LTD	Wireless sensing method and apparatus, device, and storage medium
WO 2023158297 A1	YAHYA NOORHANA	Method for detection of minerals using fiber bragg grating-geoelectric hybrid sensing

WO 2023162134 A1	NIPPON TELEGRAPH & TELEPHONE	Data collecting system, method and program
WO 2023139353 A1	SENTEC LTD	Fluid sensor
WO 2023149310 A1	ORGANO CORP	Water treatment method and water treatment device
WO 2023158624 A2	STRESS ENG SERVICES INC	Systems and methods for facilitating logistics
WO 2023162130 A1	NIPPON TELEGRAPH & TELEPHONE	Data collection system, method, and program
WO 2023158759 A2	KOBOLD METALS COMPANY	Muon detector for muon tomography
WO 2023146428 A1	SAUDI ARABIAN OIL CO	System and method for seismic data acquisition using seismic drones
WO 2023162128 A1	NIPPON TELEGRAPH & TELEPHONE	System, method, and program for collecting data
WO 2023153248 A1	PANASONIC IP MAN CO LTD	Speed calculation device, speed calculation method, and speed calculation program
WO 2023162127 A1	NIPPON TELEGRAPH & TELEPHONE	System, method, and program for collecting data
WO 2023141240 A1	MOLEX LLC	Method for leak source location investigation
WO 2023145026 A1	NEC CORP	Monitoring device, monitoring method, and program
WO 2023149824 A1	ERICSSON TELEFON AB L M	Method and network node for controlling transmission parameters of uplink configured grant transmissions
WO 2023141383 A1	IMPULSE LABS INC	Systems, apparatuses and methods for appliances with integrated energy storage
WO 2023136960 A1	QUALCOMM INC	Active user equipment counting
WO 2023114810 A1	UNIV FLORIDA	Multi-access edge computing for remote locations
WO 2023164048 A1	SCHLUMBERGER TECHNOLOGY CORP	Process of providing an interpreted borehole image
WO 2023132585 A1	LS ELECTRIC CO LTD	Wireless sensor device
WO 2023145222 A1	MITSUBISHI POWER LTD	Monitoring method, method for calculating sn ratio gain, monitoring device, and program
WO 2023139704 A1	FANUC CORP	Welding quality management device
WO 2023132998 A1	BRIDGER PHOTONICS INC	Apparatuses, systems, and methods for determining gas emission rate detection sensitivity and gas flow speed using remote gas concentration measurements
WO 2023133167 A1	MIQROTECH INC	System, apparatus, and method for making a prediction regarding a passage system
WO 2023129865 A1	DRESSER LLC	Detecting noise on flow controls
WO 2023141252 A1	BAKER HUGHES OILFIELD OPERATIONS LLC	Processing of directional survey data recorded during rotational drilling
WO 2023128993 A1	MIKROPIX ELEKTRIK ELEKTRONIK SANAYI VE TICARET LTD SIRKETI	A dive computer for fish call
WO 2023135536 A1	UNIV LOS ANDES	Coralline ceramic material, sensor and method for obtaining said material
WO 2023147581 A1	BEET INC	System and method for dynamic scaling process visualization and monitoring
WO 2023150715 A2	TOURBUILT LLC	Systems and methods for measuring and analyzing the motion of a swing and matching the motion of a swing to optimized swing equipment
WO 2023137413 A2	WHAMMY INC	Fluid tank remote monitoring network with predictive analysis
WO 2023147129 A2	DWELLWELL ANALYTICS INC	Apparatus and method for hvac efficiency monitoring and tracking

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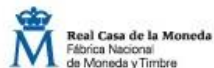
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Los ITPs** de la OEPM detectaron solicitudes de patente relevantes cuando estábamos a mitad del proyecto y gracias a ello pudimos reconducir nuestra investigación.



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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