

# Boletín VT

## REDES DE SENSORES INALÁMBRICAS

# 58

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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
<a href="#">WO 2024123937 A1</a>	RAVEN IND INC	Autonomous driver system for agricultural vehicle assemblies and methods for same
<a href="#">WO 2024115982 A1</a>	AGCO INT GMBH	Grain sensing
<a href="#">WO 2024115983 A1</a>	AGCO INT GMBH	Grain sensing
<a href="#">WO 2024121815 A1</a>	NEOS VENTURES INVESTMENT LTD	Comprehensive agriculture technology system
<a href="#">WO 2024115979 A1</a>	AGCO DO BRASIL SOLUCOES AGRICOLAS LTDA	Seed delivery system
<a href="#">WO 2024119141 A1</a>	VERMEER MFG CO	Method of controlling the movement of a bale mover in a working area
<a href="#">WO 2024121670 A1</a>	PREC PLANTING LLC	Vision based system and methods for targeted spray actuation
<a href="#">WO 2024061801 A1</a>	YARA INT ASA	A method and system for remote chlorophyll detection and determination of measurement regions for chlorophyll direct measurement
<a href="#">WO 2024069288 A1</a>	AGCO INT GMBH	A cleaning system for a sensor arrangement
<a href="#">WO 2024100068 A1</a>	ZUERN HARVESTING GMBH & CO KG	Height guide for a cutting system, cutting system and method for guiding the height of such a cutting system
<a href="#">WO 2024076646 A1</a>	RAVEN IND INC	Agricultural sprayer cleaning systems and methods for same
<a href="#">WO 2024084296 A1</a>	AGCO CORP	Systems and methods for non-contact soil organic matter sensing
<a href="#">WO 2024092122 A1</a>	CAN TECH INC	Pest control device and methods for managing pests in aquaculture systems
<a href="#">WO 2024117482 A1</a>	INDUSTRY ACADEMIC COOPERATION FOUNDATION OF SUNCHON NATIONAL UNIV	Sbc-based environmental management support system
<a href="#">WO 2024088594 A1</a>	LENOVO SINGAPORE PTE LTD	Integrating a long-range wide area network with a wireless communication network
<a href="#">WO 2024063033 A1</a>	TOPCON CORP	Plant sensor
<a href="#">WO 2024102414 A1</a>	RAVEN IND INC	System and method for agricultural data comparison
<a href="#">WO 2024105083 A1</a>	BUEHLER AG	Insect breeding system, optimized feed mixer and method for monitoring and self-optimized composing of a feed medium for insect breeding
<a href="#">WO 2024105405 A1</a>	DOGTOOTH TECH LIMITED	Fruit picking trolley
<a href="#">WO 2024107245 A1</a>	MINERAL EARTH SCIENCES LLC	Systems and methods for cooling sensor packages
<a href="#">WO 2024107915 A1</a>	CNH IND AMERICA LLC	Control system for an agricultural harvester cutter bar assembly
<a href="#">WO 2024062329 A1</a>	AGCO INT GMBH	Operator assistance system
<a href="#">WO 2024094587 A1</a>	SIGNIFY HOLDING BV	Self-learning non-integrated luminaire
<a href="#">WO 2024083729 A1</a>	AMS SENSORS GERMANY GMBH	Arial device for moisture measurements of soil, system and method
<a href="#">WO 2024084207 A1</a>	MICROPPLY LTD	Systems and methods for depositing material on an uneven ground surface
<a href="#">WO 2024128759 A1</a>	REPUBLIC KOREA MAN RURAL DEV ADMIN	Smart beehive system for bee pollination

<a href="#">WO 2024129705 A2</a>	FOUR GROWERS INC	Produce harvesting system
<a href="#">WO 2024105473 A1</a>	AGCO CORP	An unmanned aerial vehicle and agricultural vehicle system and methods of operating the unmanned aerial vehicle and agricultural vehicle system
<a href="#">WO 2024071872 A1</a>	GSFSYSTEM CORP	Crop cultivation apparatus equipped with lighting module
<a href="#">WO 2024099860 A1</a>	SIGNIFY HOLDING BV	A system for determining presence and/or properties of duckweed
<a href="#">WO 2024083335 A1</a>	IDEAS GMBH & CO KG	Method for operating a self-propelled agricultural working machine
<a href="#">WO 2024105474 A1</a>	AGCO CORP	Agricultural implement and related method
<a href="#">WO 2024127128 A1</a>	PREC PLANTING LLC	Sensor system to determine seed orientation and seed performance during planting of agricultural fields
<a href="#">WO 2024063034 A1</a>	TOPCON CORP	Plant sensor
<a href="#">WO 2024112276 A1</a>	AKGUEN BILGE	Portable container greenhouse
<a href="#">WO 2024100029 A1</a>	GARDIN LTD	Method of measuring chlorophyll fluorescence
<a href="#">WO 2024108098 A1</a>	PSIMOS INC	Spectral camera system and methods
<a href="#">WO 2024080277 A1</a>	NEC COMM SYSTEMS LTD	Blockchain network system, traceability management system, and method
<a href="#">WO 2024089700 A1</a>	EVERBLUE LABS LTD	A concentric reactor for treating wastes from land-based aquaculture systems
<a href="#">WO 2024106533 A1</a>	KAO CORP	Information processing system and information processing method
<a href="#">WO 2024074991 A1</a>	LELY PATENT NV	Milking system with analysis unit
<a href="#">WO 2024116167 A1</a>	ZLOCHIN IGAL	Capacitive precipitation gauge
<a href="#">WO 2024076420 A1</a>	LINDSAY CORP	System and method for communicating to multiple controllers on a mechanized irrigation machine
<a href="#">WO 2024097621 A1</a>	INDIGO AG INC	Machine learning approach to detecting and tracing aggregated ecosystem attributes
<a href="#">WO 2024086291 A1</a>	RAVEN IND INC	Modulating agricultural sprayer control and methods for same
<a href="#">WO 2024096837 A1</a>	KANYONSAN TARIM VE HAYVANCILIK SANAYI TICARET LTD SIRKETI	Fish vaccination machine
<a href="#">WO 2024106549 A1</a>	N THING INC	Air circulation system for plant factory
<a href="#">WO 2024039863 A1</a>	ARKEA BIO CORP	Continuous methane monitoring device
<a href="#">WO 2024082035 A1</a>	ZASSO GROUP AG	Applicator, system and method for applying electrical current into a plant, and agricultural pivot
<a href="#">WO 2024079329 A1</a>	FAUNAPHOTONIC S AGRICULTURE & ENV A/S	System and method for detection of insects
<a href="#">WO 2024111718 A1</a>	SSL INC	System for calculating nutrient solution consumption in culture medium and monitoring supplied/discharged solutions
<a href="#">WO 2024064100 A1</a>	ORCHARD HOLDING	A system and method to measure, identify, process and reduce food defects during manual or automated processing
<a href="#">WO 2024072711 A1</a>	FLORIDA POWER & LIGHT CO	Remote sensing for intelligent vegetation trim prediction
<a href="#">WO 2024123785 A1</a>	ORCHARD ROBOTICS INC	Air veil system for sensor housing
<a href="#">WO 2024106550 A1</a>	N THING INC	Light correction system for closed plant factory
<a href="#">WO 2024079079 A1</a>	BAKER CONSULTANTS LTD	Soil monitoring
<a href="#">WO 2024090104 A1</a>	KUBOTA KK	Remote operation assistance system for work machine and remote apparatus
<a href="#">WO 2024090653 A1</a>	VEVITA CO LTD	Aquaponics-based organic smart farm and smart aquaculture system for creating optimal growth condition
<a href="#">WO 2024064188 A1</a>	DEGESCH AMERICA INC	Gas monitoring device
<a href="#">WO 2024081730 A1</a>	LOCAL BOUNTI OPERATING COMPANY LLC	System and method for specializing light spectra and optimizing photosynthetic capacity to adjust plant diurnal cycle
<a href="#">WO 2024102446 A1</a>	HGCI INC	Soil sensor and methods thereof
<a href="#">WO 2024118757 A1</a>	MACSO TECH LIMITED	Machine learning based auditory activity monitoring for livestock health and welfare
<a href="#">WO 2024110986 A1</a>	URBAN KISAAN FARMS PRIVATE LTD	System and method for an automatic seeder apparatus
<a href="#">WO 2024097832 A2</a>	FREIGHT FARMS INC	Seedling machine and methods of use thereof

<a href="#">WO 2024069631 A1</a>	C CROP LTD	Plant phenotyping
<a href="#">WO 2024102102 A1</a>	DUYAR VANA MAKINA SANAYI VE TICARET ANONIM SIRKETI	Flow regulated energy conversion turbine meter
<a href="#">WO 2024108184 A2</a>	RAVEN IND INC	Field monitoring and husbandry system and methods for same
<a href="#">WO 2024102071 A2</a>	NAT UNIV SINGAPORE	A system and method for controlling growth of plant
<a href="#">WO 2024064379 A2</a>	DAN MUNRO	A method for dispensing material consumed by an animal and monitoring the animal's consumption of the material, and related systems and devices
<a href="#">WO 2024092286 A1</a>	PONS DIEGO	Systems and methods for plant and crop management and protection

[...ver más](#)

## REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

<a href="#">WO 2024121550 A1</a>	AQUAM WATER SERVICES LTD	Location and flow rate meter
<a href="#">WO 2024120653 A1</a>	MERCEDES BENZ GROUP AG	System and method for classifying intersections based on sensor data from fleet vehicles
<a href="#">WO 2024072205 A1</a>	CONCENTRADOR A DIGITAL S A P I DE C V	Automatic pricing system for rural and urban properties
<a href="#">WO 2024084424 A1</a>	KREBS PAYSAGISTES SA	Apparatus for monitoring a health status of a tree
<a href="#">WO 2024074491 A1</a>	LIPEO	Electrical charge absorber, charge sensor and magnetometer
<a href="#">WO 2024124099 A1</a>	BIG BELLY SOLAR LLC	Community compost management system
<a href="#">WO 2024084183 A1</a>	BUCHER MUNICIPAL LTD	A road cleaning vehicle
<a href="#">WO 2024113075 A1</a>	UNIV ZHEJIANG CITY COLLEGE	Test device and test method for synchronous grouting research of shield tunnel
<a href="#">WO 2024074595 A1</a>	SWISS REINSURANCE CO LTD	Drone-based, airborne sensory system for flood elevation and flood occurrence probability measurements and return periods by proxy measurements and method thereof
<a href="#">WO 2024096932 A1</a>	META MAT INC	Composite focal plane array (cfpa) imaging system geometric calibration
<a href="#">WO 2024069812 A1</a>	RAKUTEN MOBILE INC	Emergency call through mobile communication network
<a href="#">WO 2024101695 A1</a>	JEONG INNOVATION CO LTD	Water leak detection apparatus for pipe line buried in ground
<a href="#">WO 2024101833 A1</a>	NAVER LABS CORP	Method and system for generating visual feature map using three-dimensional model and street view image
<a href="#">WO 2024103071 A1</a>	KRONISH ARI	Light switch systems configured to respond to gunfire and methods of use
<a href="#">WO 2024085600 A1</a>	NAVER LABS CORP	Method and system for matching three-dimensional model and street view data
<a href="#">WO 2024081338 A1</a>	NEC LAB AMERICA INC	Data-driven street flood warning system
<a href="#">WO 2024105676 A1</a>	BZIGO LTD	Unmanned aerial vehicle for neutralizing insects
<a href="#">WO 2024107307 A2</a>	GE INFRASTRUCTURE TECH LLC	Multi-frequency sensing system and method

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## REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

<a href="#">WO 2024116122 A1</a>	3M INNOVATIVE PROPERTIES COMPANY	Breathing device and method for controlling airflow unit of breathing device
<a href="#">WO 2024094686 A1</a>	DEFENDER AS	Fire extinguishing system
<a href="#">WO 2024094284 A1</a>	Z & K GMBH	System and method for detecting at least one fire in a predefined region
<a href="#">WO 2024109926 A1</a>	MAKEBLOCK CO LTD	Power-off protection apparatus and power-off protection system
<a href="#">WO 2024116187 A1</a>	MOBILE PHYSICS LTD	Method and system for detecting fires via light detection and ranging (lidar) and/or time-of-flight (tof) sensors
<a href="#">WO 2024107150 A1</a>	T C USKUDAR UNIV	Artificial intelligence assisted explosion early warning tracking system and method in storage areas of flammable and combustible chemical liquids
<a href="#">WO 2024116022 A1</a>	3M INNOVATIVE PROPERTIES COMPANY	In mask display control system
<a href="#">WO 2024109939 A1</a>	MAKEBLOCK CO LTD	Fire extinguishing control method, fire extinguishing system and fire extinguishing protection system
<a href="#">WO 2024101772 A1</a>	MOON YONG TAEK	Fire-extinguishing system applied to electric vehicle battery pack
<a href="#">WO 2024109946 A1</a>	MAKEBLOCK CO LTD	Fire extinguishing device, fire extinguishing system and laser processing apparatus
<a href="#">WO 2024071767 A1</a>	KLES INC	Platform device for mounting fire-fighting equipment in indoor coal yard
<a href="#">WO 2024081999 A1</a>	KAHLER ANDREW	System and method of determining unusual or emergency occurrences within a livestock property
<a href="#">WO 2024081027 A1</a>	VLTRU SYSTEMS LLC	Battery modules having an integrated battery management system with swelling/pressure detectors, and applications thereof
<a href="#">WO 2024111751 A1</a>	COUPANG CORP	Method and electronic device for detecting state of battery
<a href="#">WO 2024072296 A1</a>	PROGRESSIVE SAFETY SWEDEN AB	A pressure gauge for a portable pressurized fire extinguisher

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## OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

<a href="#">WO 2024120761 A1</a>	ENDRESS HAUSER SE CO KG	Event detection method
<a href="#">WO 2024129802 A1</a>	ACUMINO	System for testing and training robot control
<a href="#">WO 2024061997 A1</a>	VENTUS ENG GMBH	Method for identifying periodic shocks in a structure, wind turbine generator and a wind farm adapted for performing the method
<a href="#">WO 2024062427 A1</a>	SENSIA NETHERLANDS B V	Systems and methods for uncertainty measurement and reporting for emissions
<a href="#">WO 2024115884 A1</a>	ERA HOME SECURITY LTD	Window handle sensor
<a href="#">WO 2024123747 A1</a>	MCCUE CORP	Impact monitoring system
<a href="#">WO 2024114929 A1</a>	ERICSSON TELEFON AB L M	Wireless sensing over a large bandwidth
<a href="#">WO 2024114872 A1</a>	BRINCKER MONITORING APS	Method for determining production-related parameters in structures for energy production
<a href="#">WO 2024074218 A1</a>	EATON INTELLIGENT POWER LTD	Method and system for optimising partial discharge detection
<a href="#">WO 2024088606 A1</a>	LENOVO SINGAPORE PTE LTD	Apparatus and method for requesting and reporting wireless communication sensing
<a href="#">WO 2024091754 A1</a>	MICATU INC	Systems and methods for providing modular telemetry and control for sensors and devices in an electrical grid
<a href="#">WO 2024099666 A1</a>	SIEMENS GAMESA RENEWABLE ENERGY AS	Precise determination of angular position of a wind turbine nacelle
<a href="#">WO 2024112237 A1</a>	HUSQVARNA AB	Handheld power tool
<a href="#">WO 2024117282 A1</a>	LG ELECTRONICS INC	Electronic device having liquid detection sensor
<a href="#">WO 2024115800 A1</a>	MARTINEZ LLUCH ANTONIO	Equipment for measuring moisture and temperature inside the walls and the space where the measuring equipment is housed
<a href="#">WO 2024068034 A1</a>	VERISURE SARL	Controlled perimeter security
<a href="#">WO 2024107735 A1</a>	NANOFLEX POWER CORP	Flexible electronic devices
<a href="#">WO 2024071862 A1</a>	SAMSUNG ELECTRONICS CO LTD	Method for providing information based on gaze point and electronic device therefor
<a href="#">WO 2024122024 A1</a>	NIPPON TELEGRAPH & TELEPHONE	Management node, communication terminal, and data collection method
<a href="#">WO 2024094761 A1</a>	BELIMO HOLDING AG	Method for monitoring consumer-specific operational costs of at least one component of an hvac system
<a href="#">WO 2024107337 A1</a>	BENDIX COMMERCIAL VEHICLE SYSTEMS LLC	System and method for controlling a plurality of sensors
<a href="#">WO 2024119272 A1</a>	ECOSYSTEM INFORMATICS INC	Method and system for calibrating measured values for ambient air parameters using trained models
<a href="#">WO 2024122013 A1</a>	NIPPON TELEGRAPH & TELEPHONE	Data collection system
<a href="#">WO 2024099583 A1</a>	PORSCHER AG	Method for ascertaining the height of water waves
<a href="#">WO 2024122975 A1</a>	AMONSEN CO LTD	Underground line condition measurement device, and monitoring system using same
<a href="#">WO 2024123360 A1</a>	HALLIBURTON ENERGY SERVICES INC	Wirelessly powered and activated electromagnetic transmitters behind casing for reservoir monitoring
<a href="#">WO 2024068055 A1</a>	NEC LABORATORIES EUROPE GMBH	A computer-implemented method for controlling an operation of one or more functional devices in a defined surrounding and a corresponding system
<a href="#">WO 2024130077 A1</a>	ACLARA METERS LLC	Sensing system and utility meter assembly

<a href="#">WO 2024063268 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic mask and method for controlling same
<a href="#">WO 2024102474 A1</a>	UNIV WAYNE STATE	System and method for ai-optimized hvac control
<a href="#">WO 2024108003 A1</a>	X DEV LLC	High throughput characterization of aggregate particles
<a href="#">WO 2024058813 A1</a>	3M INNOVATIVE PROPERTIES COMPANY	Multimode sensing system for medium and high voltage cables and equipment
<a href="#">WO 2024118006 A1</a>	UNIV ISTANBUL GELISIM	Artificial intelligence based emergency detection and notification system
<a href="#">WO 2024077404 A1</a>	TERRARAD TECH AG	System for automatic mapping of golf course soil moisture
<a href="#">WO 2024088450 A1</a>	OSTRAVSKA UNIVERZITA	Method and system for detection of a faulty sensor in weather-measuring station networks
<a href="#">WO 2024118569 A2</a>	IMPOSSIBLE METALS INC	Fast launch and recovery system for autonomous underwater vehicle
<a href="#">WO 2024057270 A1</a>	ZODIAC POOL CARE EUROPE	Docking system with camera for automatic swimming pool cleaner
<a href="#">WO 2024089664 A1</a>	UNIV DEGLI STUDI DI FERRARA	Nanostructured semiconductor material for carbon dioxide detection
<a href="#">WO 2024092293 A1</a>	UNIV CAPE TOWN	Method and system of calibration of a sensor or a network of sensors
<a href="#">WO 2024110967 A1</a>	ESSENCE SECURITY INTERNATIONAL ESI LTD	A security device
<a href="#">WO 2024118421 A1</a>	DRESSER LLC	Detecting fugitive emissions with a valve positioner
<a href="#">WO 2024128411 A1</a>	NURIFLEX CO LTD	Data management platform system and method
<a href="#">WO 2024065037 A1</a>	PARKER CHRISTIAN	Modular sensor tower and associated methods
<a href="#">WO 2024105868 A1</a>	TDK CORP	Gas sensor
<a href="#">WO 2024088131 A1</a>	HUAWEI TECH CO LTD	Energy collection control method and apparatus
<a href="#">WO 2024117278 A1</a>	GLUESYS CO LTD	Gateway device for enabling ethernet transmission by automatically collecting plurality of pieces of sensor data, and method therefor
<a href="#">WO 2024123359 A1</a>	HALLIBURTON ENERGY SERVICES INC	Electromagnetic systems for reservoir monitoring
<a href="#">WO 2024064619 A1</a>	HONEYWELL INT INC	Apparatuses, computer-implemented methods, and computer program products for building automation based on environment inferences
<a href="#">WO 2024108148 A2</a>	NIENHOUSE ROBERT FRANK	Wearable device for detecting substance abuse and location
<a href="#">WO 2024059103 A1</a>	NEC LAB AMERICA INC	Weakly-supervised learning for manhole localization based on ambient noise
<a href="#">WO 2024061988 A1</a>	MACHINE2MACHINE SOLUTIONS AB	Automation system
<a href="#">WO 2024111024 A1</a>	TDK CORP	Gas sensor
<a href="#">WO 2024079404 A1</a>	SERCEL RECH CONST ELECT	Method and device for monitoring the subsoil of the earth under a target zone
<a href="#">WO 2024087178 A1</a>	HUAWEI TECH CO LTD	Sensor system and method thereof
<a href="#">WO 2024081702 A1</a>	JOHNSON CONTROLS TYCO IP HOLDINGS LLP	Sensor fusion in security systems
<a href="#">WO 2024101970 A1</a>	WILLOG CO LTD	Multimodal-based electronic device capable of multi-area sensing, and method for operating same
<a href="#">WO 2024107722 A1</a>	CALEDONIA NETS LLC	Seine net position measurement system and method of determining seine net position
<a href="#">WO 2024096193 A1</a>	LEADPOINT SYSTEM INC	Device for providing monitoring service for neural consensus-based blockchain network system to manage safety quality and distribution history, and operation method of same device
<a href="#">WO 2024123304 A1</a>	GENERAL ELECTRIC RENEWABLES ESPANA SL	Systems and methods for inspecting wind turbines using unmanned autonomous technology
<a href="#">WO 2024101175 A1</a>	NUVOTON TECH CORPORATION JAPAN	Information processing method, information processing device, and program



<a href="#">WO 2024086498 A1</a>	QUALITROL CO LLC	Detection and location of partial discharge and arc faults
<a href="#">WO 2024097987 A1</a>	INTERDIGITAL PATENT HOLDINGS INC	Methods for executing mobile originating data procedures by ambient iot devices in wireless systems
<a href="#">WO 2024110943 A1</a>	DIRECT C LTD	Sensing element compositions and sensor system based on 3d carbon microstructures for detecting and monitoring structures leaks such as hydrocarbons
<a href="#">WO 2024090472 A1</a>	NIIGATA TLO INC	Hydrogen gas concentration sensor
<a href="#">WO 2024091152 A1</a>	ERICSSON TELEFON AB L M	Method for enabling restriction of a sensor of a wireless communication device in a certain geographical location
<a href="#">WO 2024075121 A1</a>	ELBIT SYSTEMS ELECTRO OPTICS ELOP LTD	Real-time multi-spectral system and method
<a href="#">WO 2024077030 A1</a>	GROWVERA INC	System for monitoring and optimizing drying operations
<a href="#">WO 2024101665 A1</a>	SAMSUNG ELECTRONICS CO LTD	Cooking apparatus and control method thereof
<a href="#">WO 2024090647 A1</a>	LG ELECTRONICS INC	Device and method for measuring turbidity
<a href="#">WO 2024070609 A1</a>	SONY SEMICONDUCTOR SOLUTIONS CORP	Information processing apparatus, information processing method, and recording medium
<a href="#">WO 2024084451 A1</a>	FORBES MARSHALL TECH PVT LTD	A system for failure detection in a condensate pump
<a href="#">WO 2024058805 A1</a>	GOOGLE LLC	Alternating-current power harmonic-based circuit state detection
<a href="#">WO 2024086649 A1</a>	L2 CONSULTING LLC	Crowdsourcing, capturing and measuring data from the use of multiple mobile app sensors
<a href="#">WO 2024101728 A1</a>	RESEARCH & BUSINESS FOUND SUNGKYUNKWAN UNIV	Smart companion animal management device and companion animal subduing method using same
<a href="#">WO 2024107815 A1</a>	SCHLUMBERGER TECHNOLOGY CORP	Automated seismic event detection method for downhole distributed acoustic sensing data processing
<a href="#">WO 2024064789 A1</a>	COLE PARMER INSTR COMPANY LLC	Connected monitoring device
<a href="#">WO 2024079976 A1</a>	MITSUBISHI ELECTRIC CORP	System and method for motor eccentricity level prediction using topological data analysis
<a href="#">WO 2024085403 A1</a>	SAMSUNG ELECTRONICS CO LTD	Intelligent assistant and method for controlling same
<a href="#">WO 2024112862 A1</a>	UNIV KANSAS STATE	System and method for detecting mislabeling of electric voltage phase labels in a three phase electric power distribution network
<a href="#">WO 2024085794 A1</a>	BEAMONICS AB	Method and device for particle and gas detection
<a href="#">WO 2024086376 A1</a>	AVEVA SOFTWARE LLC	System, server, and method for predicting and controlling emissions in an industrial environment
<a href="#">WO 2024082459 A1</a>	LENOVO BEIJING LTD	Method and apparatus for integrated sensing and communication
<a href="#">WO 2024102877 A2</a>	SCHLUMBERGER TECHNOLOGY CORP	Design and acquisition of sparse obn using full waveform inversion sensitivity kernel analysis
<a href="#">WO 2024039845 A1</a>	UNIV MICHIGAN REGENTS	Wind sensor and method of making wind direction and wind velocity estimations
<a href="#">WO 2024081801 A1</a>	CONTINEO MARINE ROBOTICS LLC	Hybrid system for adaptive artificial intelligence/machine learning-enabled detection of maritime safety and security concerns
<a href="#">WO 2024081187 A2</a>	REDZONE ROBOTICS INC	Modular infrastructure inspection platform

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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.



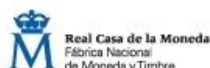
Los ITPs\*\* de la OEPM nos han ahorrado horas de revisión bibliográfica para definir el punto de partida de nuestros proyectos de I+D.



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.

\*\* 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.