

# Boletín VT

## REDES DE SENSORES INALÁMBRICAS

# 43

3.º trimestre 2020

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

inalámbricas, 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
<a href="#">WO 2020127467</a>	SOUNDTALKS NV	Method for intelligent monitoring of one or more commercial sites for livestock animals
<a href="#">WO 2020127448</a>	SOUNDTALKS NV	Device for monitoring the status of a livestock facility
<a href="#">WO 2020126211</a>	AGCO INT GMBH	Grain cleaning system and method of controlling such
<a href="#">WO 2020139652</a>	HILLS PET NUTRITION INC	System and method for associating animal behaviors with animal health
<a href="#">WO 2020126308</a>	AGCO INT GMBH	Grain cleaning system and method of controlling such
<a href="#">WO 2020126307</a>	AGCO INT GMBH	Grain cleaning system and method of controlling such
<a href="#">WO 2020127449</a>	SOUNDTALKS NV	Method for monitoring a livestock facility and/or livestock animals in a livestock facility using improved sound processing techniques
<a href="#">WO 2020138526</a>	FOODYWORM INC	Insect breeding control device and method
<a href="#">WO 2020139305</a>	SVISTUNOV OLEKSII	Controllable led system and method for supplementary lighting of plants in greenhouses
<a href="#">WO 2020136618</a>	SISSPRE SOC IT SISTEMI E SERVIZI DI PRECISIONE S R L	Equipment for aiding the traceability of agri-food products
<a href="#">WO 2020126309</a>	AGCO INT GMBH	Grain cleaning system and method of controlling such
<a href="#">WO 2020141456</a>	INESC TEC INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES TECNOLOGIA E CIENCIA	Device and agricultural device for measuring water present in vegetation and operation method thereof
<a href="#">WO 2020175857</a>	AGRICULTURAL CORP MANNA CEACOLTD	Carbon dioxide pest control system
<a href="#">WO 2020124174</a>	IMPERIO ASSESSORIA EM INFORMACOES LTDA	Automatic grain processing apparatus; and load monitoring and tracking system
<a href="#">WO 2020141406</a>	UNIV DEGLI STUDI PADOVA	Device and method for measuring the water content of the ground, vegetation and snow
<a href="#">WO 2020120516</a>	BESTER IAN	Livestock management system
<a href="#">WO 2020132453</a>	CLIMATE CORP	Utilizing spatial statistical models for implementing agronomic trials
<a href="#">WO 2020170939</a>	UNIV CHIBA NAT UNIV CORP	Artificial light-type plant factory cohort phenotyping system
<a href="#">WO 2020140023</a>	CAPILLARY CONCRETE LLC	Aerification system
<a href="#">WO 2020141978</a>	YOR INNOVATION BV	Climate controlled stable
<a href="#">WO 2020185647</a>	CLIMATE CORP	Real-time agricultural recommendations using weather sensing on equipment
<a href="#">WO 2020162321</a>	DENSO CORP	Sensing system and data structure used therein
<a href="#">WO 2020120889</a>	YNSECT	Facility for farming insects, comprising an automated sensor-equipped guided vehicle
<a href="#">WO 2020145141</a>	SONY CORP	Reception device and method, and transmission device and method
<a href="#">WO 2020164833</a>	ZAHNRADFABRIK FRIEDRICHSHAFEN	Control of an agricultural machine on the basis of the detection of the course of a border in agricultural usable areas
<a href="#">WO 2020160548</a>	THE BEE CORP	Systems and methods for measuring beehive strength

<a href="#">WO 2020161035</a>	ZAHNRADFABRIK FRIEDRICHSHAFEN	Device and method for safely operating an autonomously operable agricultural machine
<a href="#">WO 2020133249</a>	CHANGZHOU GLOBE CO LTD	Method for controlling operation of garden equipment and battery pack
<a href="#">WO 2020146557</a>	OSRAM GMBH	Horticultural luminaire with lidar sensing
<a href="#">WO 2020146944</a>	ADVANCED INTELLIGENT SYSTEMS INC	System and method for automated farming of potted plants
<a href="#">WO 2020162745</a>	NEDAP NV	System and smart tag for animals
<a href="#">WO 2020167869</a>	THE TRUSTEES OF THE STEVENS INSTITUTE OF TECH	Wood boring insect detection system and method
<a href="#">WO 2020159494</a>	GROW SOLUTIONS TECH LLC	System and method for normalizing tank pressure
<a href="#">WO 2020165055</a>	ZAHNRADFABRIK FRIEDRICHSHAFEN	Device and method for safely operating a tool mounted adjustably on an agricultural machine that can be operated autonomously
<a href="#">WO 2020161566</a>	PREC PLANTING LLC	Systems, apparatuses, and methods for monitoring soil characteristics and determining soil color
<a href="#">WO 2020111922</a>	INDOVSKI PETAR	Probe for measuring the penetration time of water through the soil layers and the vertical moisture profile of the soil
<a href="#">WO 2020159492</a>	GROW SOLUTIONS TECH LLC	Systems and methods for testing an industrial cart in a grow pod
<a href="#">WO 2020160025</a>	BAYER CROPS SCIENCE LP	Animal trap detection system using a glue board
<a href="#">WO 2020146453</a>	TRIMBLE INC	Optical tuning for plant detection
<a href="#">WO 2020165818</a>	BASF SE	Method and apparatus for determining an amount of nitrogen-stabilizing additive
<a href="#">WO 2020173592</a>	HUSQVARNA AB	Antenna for soil sensors
<a href="#">WO 2020178781</a>	ZERO SRL	A vertical farm system for the cultivation of vegetable products and method for producing a vertical farm system
<a href="#">WO 2020146036</a>	STRONG FORCE IOT PORTFOLIO 2016 LLC	Methods, systems, kits and apparatuses for monitoring and managing industrial settings
<a href="#">WO 2020164834</a>	ZAHNRADFABRIK FRIEDRICHSHAFEN	Trajectory determination for agricultural machines using grid maps
<a href="#">WO 2020153885</a>	SONY CORP	Methods for controlling and updating a processing scheme of an electronic device, related server devices and related electronic devices
<a href="#">WO 2020170056</a>	EXOTIC SYSTEMS	Device and method for monitoring bins
<a href="#">WO 2020178858</a>	MAHINDRA & MAHINDRA LTD	Methods and system for integrated sensing and self-charging in agricultural implements
<a href="#">WO 2020132364</a>	INNERPLANT INC	Sensor plant and method for identifying stressors in crops based on characteristics of sensor plants
<a href="#">WO 2020167145</a>	AGRESEARCH LTD	Ground surface condition sensing in irrigation systems
<a href="#">WO 2020150430</a>	UNIV OF FLORIDA RESEARCH FOUNDATION	Remote detection of pre-determined termite feeding activities in soil
<a href="#">WO 2020158290</a>	TOPCON CORP	Growth information management device, growth information management system, growth information management device control method and growth information management program
<a href="#">WO 2020158975</a>	LEE BONG HAK	Smart farm system for raising insects and operating method
<a href="#">WO 2020164835</a>	ZAHNRADFABRIK FRIEDRICHSHAFEN	Control of agricultural machines on the basis of a combination of a distance sensor system and a camera
<a href="#">WO 2020160643</a>	FARMERS EDGE INC	Shadow and cloud masking for agriculture applications using convolutional neural networks
<a href="#">WO 2020162926</a>	INGENUERING LLC	Insect and creature monitoring system
<a href="#">WO 2020146609</a>	HI FIDELITY GENETICS INC	Method and device for non-invasive root phenotyping
<a href="#">WO 2020172546</a>	CANNAGRI BLOCKCHAIN INC.	Machine vision sensor system for optimal growing conditions
<a href="#">WO 2020142043</a>	YULUG AHMET OMER	Smart irrigation by monitoring the ground water level
<a href="#">WO 2020154249</a>	CANYON JAMES	Method and system of determining soil-water properties
<a href="#">WO 2020161787</a>	NEKKOYA INC	Agricultural house environment adjusting system

<a href="#">WO 2020148998</a>	OMRON TATEISI ELECTRONICS CO	Model integration device, method, and program, and inference, inspection, and control system
<a href="#">WO 2020160605</a>	UNIV MELBOURNE	Soil moisture estimation
<a href="#">WO 2020160641</a>	FARMERS EDGE INC	Shadow and cloud masking for remote sensing images in agriculture applications using multilayer perceptron
<a href="#">WO 2020150732</a>	UNIV NORTHEASTERN	Zero-power wireless system for crop water content monitoring
<a href="#">WO 2020150739</a>	WATERBIT INC	Remote sensor system
<a href="#">WO 2020161360</a>	AGTAG LTD	Bovine motion sensor tag
<a href="#">WO 2020127467</a>	SOUNDTALKS NV	Method for intelligent monitoring of one or more commercial sites for livestock animals
<a href="#">WO 2020127448</a>	SOUNDTALKS NV	Device for monitoring the status of a livestock facility
<a href="#">WO 2020126211</a>	AGCO INT GMBH	Grain cleaning system and method of controlling such
<a href="#">WO 2020139652</a>	HILLS PET NUTRITION INC	System and method for associating animal behaviors with animal health
<a href="#">WO 2020126308</a>	AGCO INT GMBH	Grain cleaning system and method of controlling such

[...ver más](#)

## REDES DE SENSORES PARA ENTORNOS URBANOS O PÚBLICOS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020135897</a>	GALVEZ RENDON WALTER ROLANDO	Universal device for the wireless real-time capture of data from traffic light signals, solar-powered and self-contained
<a href="#">WO 2020131497</a>	NAVIO INT INC	Edge intelligence powered security solutions and other applications for a smart city
<a href="#">WO 2020139553</a>	CONTINENTAL AUTOMOTIVE SYSTEMS INC	Stabilization grid for sensors mounted on infrastructure
<a href="#">WO 2020141682</a>	ACI CHEMICALS ASIA INC	System and method for controlling collection of domestic waste compression containers
<a href="#">WO 2020148409</a>	VINCI CONSTRUCTION	Automated system for transporting goods
<a href="#">WO 2020123131</a>	ASTECC INC	Road sensor system
<a href="#">WO 2020120977</a>	PENTAIR PLC	Residential device feedback system and method
<a href="#">WO 2020142548</a>	RAO SANJAY K	Autonomous routing system based on object ai and machine learning models
<a href="#">WO 2020139206</a>	SIGNALTON TEKNOLOJI LTD STI	System and method of live human detection for disaster emergency search and rescue
<a href="#">WO 2020160981</a>	ELEKTROBIT AUTOMOTIVE GMBH	Determination of the driving context of a vehicle
<a href="#">WO 2019175686</a>	RATTI JAYANT	On-demand artificial intelligence and roadway stewardship system
<a href="#">WO 2020160301</a>	MORGAN STANLEY SERVICES GROUP INC	Chaotic system anomaly response by artificial intelligence
<a href="#">WO 2020153883</a>	ERICSSON TELEFON AB L M	Network node and method performed therein for handling data of objects in a communication network
<a href="#">WO 2020168037</a>	FB GLOBAL PLUMBING GROUP LLC	Fluid usage monitoring and control system
<a href="#">WO 2020150246</a>	STEGEMAN JOHN T	Systems and methods for improved municipal illumination

[...ver más](#)

## REDES DE SENSORES PARA DETECTAR INCENDIOS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

<a href="#">WO 2020123356</a>	CARRIER CORP	Kitchen fire suppression aiming systems and methods
<a href="#">WO 2020123156</a>	CARRIER CORP	Calibration of an optical detector using a micro-flow chamber
<a href="#">WO 2020124067</a>	CARRIER CORP	Alarm management system with blockchain technology
<a href="#">WO 2020146927</a>	POLE GRAHAM	An ember detector device, a bush/wild fire detection and threat management system, and methods of use of same
<a href="#">WO 2020185033</a>	KOREA HYDRO & NUCLEAR POWER CO	Safety cover structure of nuclear facility
<a href="#">WO 2020144231</a>	CENTRE SCIENT ET TECHNIQUE DU BATIMENT CSTB	Vision accessory in sub-ceiling layer for an infrared detector
<a href="#">WO 2020144445</a>	BAILEY SAMUEL GERARD	Monitoring cooking appliances
<a href="#">WO 2020148625</a>	ASE ADVANCED SAFETY ENGINEERING SOC A RESPONSABILITA LIMITATA	Apparatus for detecting symptoms of thermal and/or mechanical anomalies that can lead to the ignition of a fire
<a href="#">WO 2020144232</a>	CENTRE SCIENT ET TECHNIQUE DU BATIMENT CSTB	Infrared detector for sub-ceiling layer
<a href="#">WO 2020174387</a>	3M INNOVATIVE PROPERTIES CO	Sensor-enabled respirator fit-test system with context-based remedial recommendations
<a href="#">WO 2020128952</a>	3M INNOVATIVE PROPERTIES CO	Negative pressure reusable respirator system for safety event detection
<a href="#">WO 2020174318</a>	3M INNOVATIVE PROPERTIES CO	Sensor-enabled wireless respirator fit-test system
<a href="#">WO 2020119875</a>	EL TONSY HUSHAM HASSAN MOHAMED HUSSIN	Integrated smart, healthy and safe cooking oven (pressure oven).
<a href="#">WO 2020126812</a>	MARIOFF CORP OY	Sprinkler self-diagnosis
<a href="#">WO 2020146766</a>	DRIFT NET	Security system for detecting hazardous events and occupants in a building
<a href="#">WO 2020180953</a>	ENG CORROSION SOLUTIONS LLC	Liquid sensing valve for a fire sprinkler system
<a href="#">WO 2020120904</a>	ARIANEGROUP SAS	System adapted for extinguishing a battery fire
<a href="#">WO 2020162954</a>	JOHNSON CONTROLS FIRE PROT LP	Capacitive switch detector addressing
<a href="#">WO 2020146484</a>	EUBANKS DANA	Carbon monoxide purge system for a property
<a href="#">WO 2020156582</a>	SIEMENS AG	Fire-fighting robot and control method thereof
<a href="#">WO 2020173471</a>	CONTEMPORARY AMPEREX TECHNOLOGY CO LTD	Container-type energy storage system and environment control method therefor
<a href="#">WO 2020161643</a>	AAI ADVANCED AUTOMOTIVE INNOVATIONS INC	Device and method of anti-inflammation capsule
<a href="#">WO 2020171166</a>	HAGUKUMI INC.	Fire extinguishing sheet which spouts fluorinated carbon-based fire extinguishing agent, method for producing same, and application of same
<a href="#">WO 2020152730</a>	HOCHIKI CO	Fire alarm system and booster
<a href="#">WO 2020167950</a>	VIRGA SYSTEMS LLC	End of line protection

[..ver más](#)

## OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020138623</a>	LS ELECTRIC CO LTD	Switchboard monitoring system and operation method of same
<a href="#">WO 2020136386</a>	CLIM8	An electrical active assembly and a clothing assembly comprising the same
<a href="#">WO 2020118630</a>	SHENZHEN ROYOLE TECHNOLOGIES CO LTD	Flexible sensor debugging system and method
<a href="#">WO 2020127677</a>	PGS GEOPHYSICAL AS	Removing electromagnetic crosstalk noise from seismic data
<a href="#">WO 2020131388</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Generating space models from map files
<a href="#">WO 2020184535</a>	TOPPAN PRINTING CO LTD	IoT APPARATUS CREDIBILITY CALCULATION DEVICE, IoT APPARATUS CREDIBILITY CALCULATION SYSTEM, METHOD OF USING IoT APPARATUS CREDIBILITY CALCULATION DEVICE, IoT APPARATUS CREDIBILITY CALCULATION METHOD, RECORDING MEDIUM, IoT DATA PLATFORM, AND IoT DATA PROCESSING METHOD BY IoT DATA PLATFORM
<a href="#">WO 2020136475</a>	ATLAS COPCO AIRPOWER NV	Method for detecting leaks in a gas network under pressure or under vacuum and gas network
<a href="#">WO 2020128685</a>	ABB SCHWEIZ AG	Condition monitoring device and method for monitoring an electrical machine
<a href="#">WO 2020139889</a>	LOCIX INC	Systems and methods for determining locations of wireless sensor nodes based on anchorless nodes and known environment information
<a href="#">WO 2020119918</a>	DIEHL METERING SYSTEMS GMBH	Method for collecting data in a network, sensor, consumption meter, data collector and network
<a href="#">WO 2020131474</a>	PROCTER & GAMBLE	Apparatus and method for operating a personal grooming appliance or household cleaning appliance
<a href="#">WO 2020119920</a>	DIEHL METERING SYSTEMS GMBH	Method for collecting data in a network, sensor, consumption meter, temporary receiver and network
<a href="#">WO 2020119574</a>	QINGDAO HAIER REFRIGERATOR CO LTD	Food freshness determining device and refrigerator comprising food freshness determining device
<a href="#">WO 2020132367</a>	PAYPAL INC	Automated data tokenization through networked sensors
<a href="#">WO 2020153955</a>	HEWLETT PACKARD DEVELOPMENT CO	Particle monitoring
<a href="#">WO 2020180108</a>	LG ELECTRONICS INC	Mobile robot and method for controlling same
<a href="#">WO 2020131187</a>	SOFAR OCEAN TECH INC	Ocean weather forecasting system
<a href="#">WO 2020172163</a>	IOWA STATE UNIV RESEARCH FOUNDATION INC.	Resonant sensors for wireless monitoring of cell concentration
<a href="#">WO 2020128726</a>	SAFECERTIFIEDSTRUCTURE TECHNOLOGIA S P A	A sensor device for monitoring structural elements, a clamping element, an examination unit and a method for constructing said sensor device
<a href="#">WO 2020142614</a>	MAGSEIS FF LLC	Connector for lanyard attachment of seismic node to cable
<a href="#">WO 2020150130</a>	SIEMENS INDUSTRY INC	System and method for simulating system operation conditions
<a href="#">WO 2020174606</a>	MITSUBISHI ELECTRIC CORP	Sensor information collection system, sensor information collection method, data acquisition terminal, and program
<a href="#">WO 2020124503</a>	SCHAEFFLER TECHNOLOGIES AG	Detection system and wind driven generator
<a href="#">WO 2020141321</a>	SPORTABLE TECH LTD	Sports pad with force sensors
<a href="#">WO 2020149240</a>	NEC CORP	Establishing a secure connection between a user equipment and a non-public network
<a href="#">WO 2020174546</a>	NEC CORP	Control device, data acquisition method, and non-transitory computer-readable medium

<a href="#">WO 2020128733</a>	3M INNOVATIVE PROPERTIES CO	Insulator for overhead power line conductors
<a href="#">WO 2020130946</a>	BOSCH GMBH ROBERT	Transistor comprising a ceramic and an ionogel
<a href="#">WO 2020132525</a>	ECOLAB USA INC	Adaptive route, bi-directional network communication
<a href="#">WO 2020148329</a>	BSH HAUSGERAETE GMBH	Preparation of a foodstuff by means of an accessory of a foodstuff treatment device
<a href="#">WO 2020126036</a>	ESSITY HYGIENE & HEALTH AB	Detecting a filling status of a dispenser for a consumable
<a href="#">WO 2020178096</a>	SCIOSENSE B V	Sensor device and method for operating a sensor device
<a href="#">WO 2020161431</a>	ENGIE	Measurement device, in particular for detecting hydrogen in the soil of a region
<a href="#">WO 2020152031</a>	BRITISH TELECOMM	Wireless sensing method
<a href="#">WO 2020171335</a>	MIRO CO.LTD.	Intelligent humidification control method
<a href="#">WO 2020165505</a>	KEMIRA OYJ	Method and arrangement for cleaning a sensor
<a href="#">WO 2020130235</a>	KOREA ELECTRONICS TECHNOLOGY	Automatic control system for artificial intelligence-based smart home air conditioner
<a href="#">WO 2020141214</a>	ENOCEAN GMBH	Device for sensing the activity of people or the status of infrastructures or objects influenced by people
<a href="#">WO 2020179164</a>	SONY CORP	Information processing device, information processing method, and program
<a href="#">WO 2020138574</a>	KOREA ELECTRICAL SAFETY CORP	System and method for analyzing deterioration of electrical equipment on basis of climate information
<a href="#">WO 2020149797</a>	NAT UNIV SINGAPORE	Pipeline analysis systems
<a href="#">WO 2020161659</a>	MIND SRL	Artificial intelligence system for smart home
<a href="#">WO 2020156631</a>	WACKER CHEMIE AG	Sensors based on dielectric silicon layers
<a href="#">WO 2020173751</a>	SIEMENS AG	Pressure control in a supply grid
<a href="#">WO 2020150212</a>	MSA TECH LLC	Fall protection compliance system and method
<a href="#">WO 2020176499</a>	VON KRIES KARL	Systems and methods for altering rotation of a solar rotational manufacturing system
<a href="#">WO 2020154080</a>	PROJECT CANARY INC	Apparatus and methods for reducing fugitive gas emissions at oil facilities
<a href="#">WO 2020153038</a>	SONY CORP	Information processing device and information processing method
<a href="#">WO 2020172852</a>	SIEMENS SCHWEIZ AG	Computing resource scheduling method, scheduler, internet of things system, and computer readable medium
<a href="#">WO 2020176992</a>	HONEYWELL LTD	System and method for monitoring changes in process dynamic behavior by mapping parameters to a lower dimensional space
<a href="#">WO 2020181292</a>	UNIV UTAH RES FOUND	Systems and methods for imaging of moving objects
<a href="#">WO 2020157355</a>	UNIV CASTILLA LA MANCHA	System for the diagnosis of wind turbines of a wind generator and method of diagnosis of a wind turbine
<a href="#">WO 2020164661</a>	HARTING ELECTRIC GMBH & CO KG	Sensor-monitored plug-in interface in a feedthrough housing
<a href="#">WO 2020173809</a>	FOS4X GMBH	Wind turbine, sensor kit for a wind turbine, system comprising a wind turbine and an online-based memory and server service, and method for transmitting data from a wind turbine to an online-based memory and server service
<a href="#">WO 2020152546</a>	BIOLOGICAL INNOVATION AND OPTIMIZATION SYSTEMS LLC	Bio-dimming lighting system
<a href="#">WO 2020167322</a>	SOTER TECHNOLOGIES LLC	System and method for notifying detection of vaping, smoking, or bullying
<a href="#">WO 2020170235</a>	GALOOI LTD	Integrated battery monitoring circuit
<a href="#">WO 2020159961</a>	APTIV TECH LTD	Detecting road anomalies
<a href="#">WO 2020157582</a>	AEROQUAL LTD	Method for calibrating networks of environmental sensors
<a href="#">WO 2020170009</a>	3M INNOVATIVE PROPERTIES CO	Systems and methods for monitoring the condition of a fall-protection safety system
<a href="#">WO 2020172459</a>	MECHOSHADE SYSTEMS LLC	Maintenance and operation of a window shade system

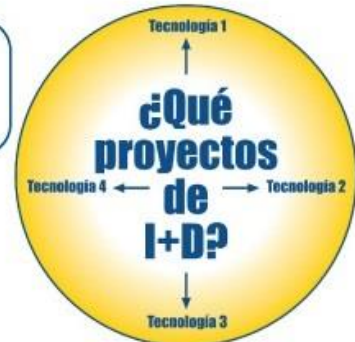


<a href="#"><u>WO 2020154790</u></a>	ERIA SMART TECHNOLOGIES INC	Storage system with remote monitoring and management capabilities
<a href="#"><u>WO 2020166026</u></a>	MITSUBISHI ELECTRIC CORP	Management device, management system, management method, and program
<a href="#"><u>WO 2020167013</u></a>	SAMSUNG ELECTRONICS CO LTD	Time synchronization method, ue, base station, device and computer readable storage medium
<a href="#"><u>WO 2020163951</u></a>	HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINI OF NATURAL RESOURCES CANADA	Radio frequency wireless sensing device

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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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