

Boletín VT

COCHE INTELIGENTE 26

2º trimestre 2016

Vigilancia Tecnológica

La integración de las tecnologías de la Información y Comunicaciones (TIC) en vehículos e infraestructuras viales se ha mostrado muy provechosa a la hora de obtener soluciones avanzadas a los problemas del transporte de hoy en día.

Los Sistemas de Coches Inteligentes buscan facilitar la interacción entre el conductor, el vehículo y la carretera, de manera que los sistemas autónomos de abordo se complementan con sistemas que cooperan entre los diferentes vehículos o entre los vehículos y las infraestructuras, para mejorar, de este modo, aspectos de gran relevancia, tales como la reducción de accidentes, la eficiencia energética o la reducción de la contaminación.

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 algunos

de los sectores prioritarios contemplados en el desarrollo del “Coche Inteligente”, tales como: los sistemas de gestión optimizada del tráfico, las redes sensoriales o de comunicaciones integradas en los vehículos, los sistemas de gestión de plazas de aparcamiento o de peajes, y los sistemas de notificación de accidentes o averías a servicios de emergencia u otros conductores cercanos.

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:

- Gestión del tráfico
- Redes vehiculares
- Gestión de aparcamientos y peajes
- Notificación de accidentes
- Otras referencias

NIPO: 073-15-017-1

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.

GESTIÓN DEL TRÁFICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
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WO 2016052837	DILAB CO LTD	Traffic monitoring system
WO 2016045832	BOSCH GMBH ROBERT	Method and device for creating a motion model of a road user
WO 2016051817	HITACHI CONSTRUCTION MACHINERY	Traffic management control device
WO 2016038415	UNIV UMM AL QURA	Automatic update of crowd and traffic data using device monitoring
WO 2016045851	BOSCH GMBH ROBERT	Method and device for monitoring a traffic area
WO 2016055917	HERE GLOBAL BV	Probe based variable speed sign value
WO 2016057540	HANNAH MARC R	Managed access system for traffic flow optimization
WO 2016078414	ZTE CORP	Method, apparatus and system for controlling changing of traffic lights
WO 2016067679	SUMITOMO ELECTRIC INDUSTRIES	Traffic signal control device, computer program, and traffic signal control method
WO 2016086139	ISPD INC VARMA SAMIR SARFATI DANIEL	System and method for traffic decongestion
WO 2016068273	MITSUBISHI ELECTRIC CORP	In-vehicle device, automatically driven vehicle, automatic drive assist system, automatic drive monitoring device, road management device, and automatic drive information collection device
WO 2016067336	NISSAN MOTOR	Travel control information data structure and travel control device
WO 2016070121	RYHORCHUK KENT W GOLD EZRA	Parking and traffic analysis

[..ver más](#)

REDES VEHICULARES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2016095154	HARMAN INT IND WANG JUNHAO ZHANG QINGSHAN	Vehicle headlight control
WO 2016049814	HUAWEI TECH CO LTD	Method for controlling user equipment accessing communication network of high-speed moving vehicle
WO 2016089438	EBAY ENTERPRISE INC	Managing and controlling travel for a convoy of vehicles
WO 2016042670	MITSUBISHI HEAVY IND LTD	Vehicle surveillance system, vehicle surveillance method, and program
WO 2016055570	CONTINENTAL AUTOMOTIVE GMBH	Device and method for monitoring network communication of a data network for a motor vehicle
WO 2016056131	MITSUBISHI ELECTRIC CORP	Communication apparatus and communication system
WO 2016034674	HUF HÜLSBECK & FÜRST GMBH & CO KG	Method for remotely controlling at least a first function of a safety device of a vehicle
WO 2016092363	TOYOTA MOTOR CO LTD	Remote vehicle data collection system
WO 2016046327	CONTINENTAL TEVES AG & CO OHG	Update of a vehicle control system via a car2x
WO 2016055108	HUAWEI TECHNOLOGIES DUESSELDORF GMBH	Method for activating and deactivating nomadic nodes in a network
WO 2016056162	TOYOTA MOTOR CO LTD	Safety system for augmenting roadway objects on a heads-up display
WO 2016038816	PANASONIC IP CORP AMERICA	Vehicle communication device, in-vehicle network system, and vehicle communication method
WO 2016046329	CONTI TEMIC MICROELECTRONIC	Friction-coefficient-dependent collision avoidance system
WO 2016058681	WABCO GMBH &	Method for setting up and operating a wireless vehicle network
WO 2016060384	KOREA ELECTRONICS TECHNOLOGY	Method and device for providing panoramic vehicle situation information using multiple cameras and radar sensor information
WO 2016054801	EMPIRE TECHNOLOGY DEV LLC YIN XUEFENG TIAN MENG	Antenna array on moving nodes
WO 2016058099	SHEN XUEMIN OMAR HASSAN ABOUBAKR LU NING BHARATI SAILESH ZHUANG WEIHUA	Method, System And Apparatus For Enabling Vehicular Communications
WO 2016039907	QUALCOMM INC	Selective forwarding in mobile content delivery networks
WO 2016079236	CONTINENTAL AUTOMOTIVE GMBH	Method for transmitting perishable shipments



WO 2016081331	BOSCH GMBH ROBERT	Gps based learned control event prediction
WO 2016088304	PANASONIC IP CORP AMERICA	Illegality detection electronic control unit, car onboard network system, and illegality detection method
WO 2016088423	YANMAR CO LTD	Vehicle that prevents vehicle theft
WO 2016059053	VODAFONE IP LICENSING LTD	Vehicle-based mobile aggregator device
WO 2016068539	SAMSUNG ELECTRONICS CO LTD	Apparatus and method for portable infotainment
WO 2016083034	BOSCH GMBH ROBERT	Method and device for operating a plurality of vehicles
WO 2016059499	PHILIPS LIGHTING HOLDING BV	System and method for outdoor lighting operation and management using its protocols and connectivity infrastructure.
WO 2016075865	PANASONIC IP CORP AMERICA	Update management method, update management device, and control program
WO 2016075869	PANASONIC IP CORP AMERICA	Key management method, vehicle-mounted network system and key management device
WO 2016066192	BAYERISCHE MOTOREN WERKE AG	Methods, telematics server and base station for supporting vehicular communications in a cellular network
WO 2016074820	BOSCH GMBH ROBERT	Predictive reservation of radio cells for interruption-free communication with a data cloud

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GESTIÓN DE APARCAMIENTOS Y PEAJES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2016054994	CHINA UNIONPAY CO LTD	Non-stop toll collection system
WO 2016055226	KAPSCH TRAFFICCOM AG	Beacon-based mobile payments
WO 2016046831	TOMER NATAN	Methods and systems of managing parking space occupancy
WO 2016053073	PALAZUELOS VALDES ALVARO	Parking management assisted by artificial vision
WO 2016088069	WANG KEVIN SUNLIN	Method and system for legal parking
WO 2016060287	HONG KIYOUNG	Call-taxi service provision system and call-taxi service provision method
WO 2016078789	KAPSCH TRAFFICCOM AG	Method and apparatus for trusted recording in a road toll system
WO 2016083035	BOSCH GMBH ROBERT	Method and device for operating a vehicle with respect to a parking space
WO 2016083077	GEMALTO SA	Method to manage park spaces on public streets
WO 2016082995	BOSCH GMBH ROBERT	Parking space managing server for a parking space
WO 2016084041	BADRA MOHAMAD	Smart parking lot management system
WO 2016071512	TOMTOM INT BV	Method for estimating the occupancy of a parking lot
WO 2016081782	UBER TECHNOLOGIES INC	Parking identification and availability prediction
WO 2016065110	FUSTES MANUEL	Toll payment collection with communication device
WO 2016066362	BOSCH GMBH ROBERT	Method and device for guiding a vehicle in a parking lot
WO 2016059487	GASKIN TERRENCE	System and method for anti-theft and tracking of an automobile and automobile wheels
WO 2016083037	BOSCH GMBH ROBERT	Method and device for assisted guiding of a vehicle
WO 2016083028	BOSCH GMBH ROBERT	Server for operating a car park
WO 2016079778	HITACHI LTD	Traffic flow control system and traffic flow control method
WO 2016083038	BOSCH GMBH ROBERT	Method and device for assisted driving of a vehicle
WO 2016082687	CHINA UNIONPAY CO LTD	System and method for performing payment at service point by using intelligent vehicle
WO 2016079554	PENG ZHENYU / ZHANG WEI / WANG KUN / WANG YI	Smart parking authentication and charging system
WO 2016041170	MARLATT FREDERICK LAWRENCE MICHAEL	Vehicle sensor, detecting method thereof and self enforcing pay-by-phone parking system
WO 2016067167	SPACEEK LTD	Sensor network for parking management and a method of harvesting data from the network by a mobile device
WO 2016067288	ANAGOG LTD	Computer-Aided Event Hunting

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NOTIFICACIÓN DE ACCIDENTES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

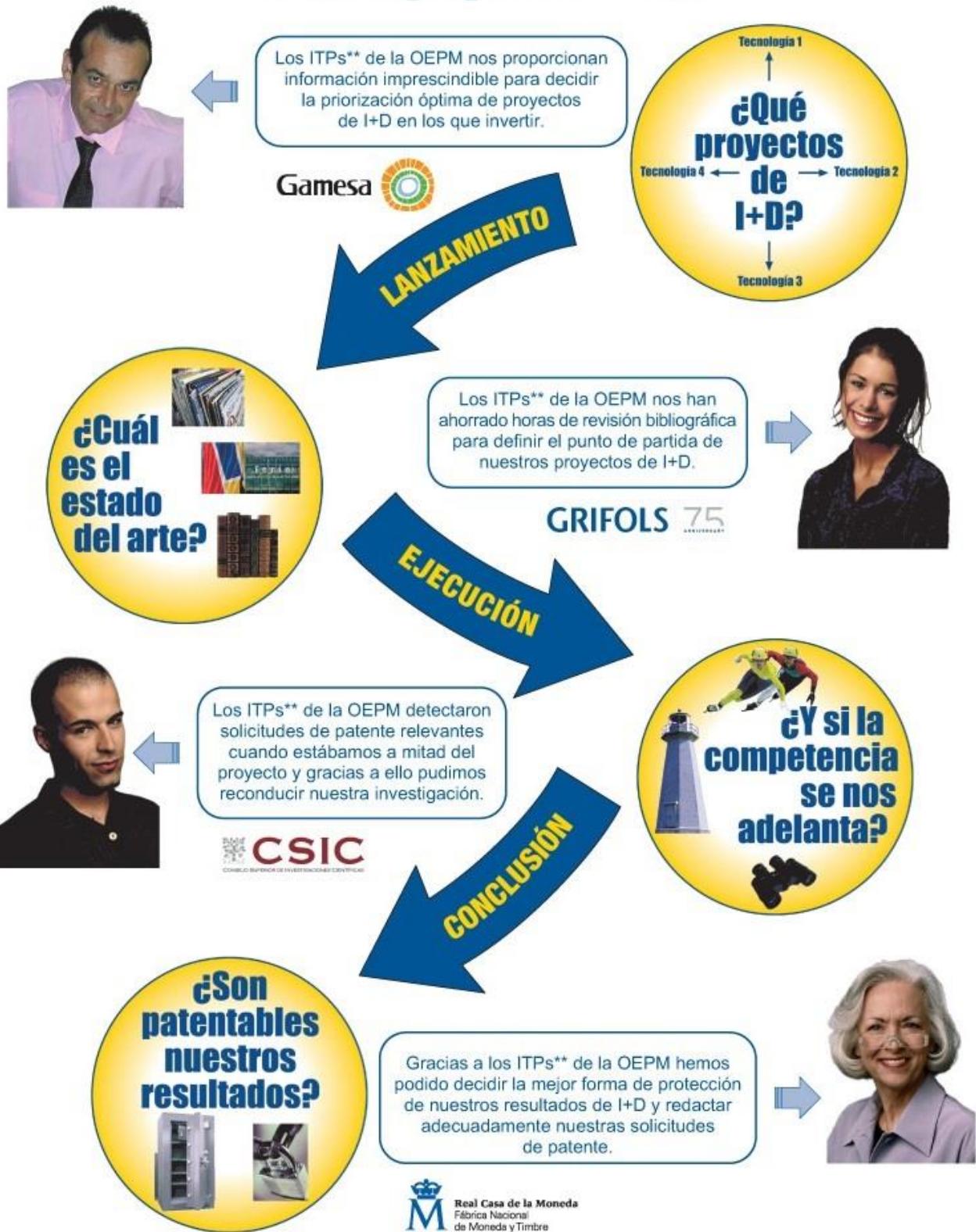
Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2016040747	ALDERMAN LUKUS SAMPSON ALDERMAN LAUREN THOMAS ALDERMAN DAVID P	Mobile alert system
WO 2016035269	DENSO CORP TOYOTA MOTOR CO LTD	Automobile emergency call device
WO 2016087734	RENAULT SAS	Method of assistance to at least one occupant of an accident affected vehicle and dedicated assistance system
WO 2016063490	DENSO CORP	Automobile data recording apparatus and automobile accident reporting apparatus
WO 2016060697	SMITH LUBY HOLDINGS LLC	Automobile incident data networking platform
WO 2016072020	MITSUBISHI ELECTRIC CORP	Digital broadcast receiver
WO 2016072164	HITACHI AUTOMOTIVE SYSTEMS LTD	Car onboard speech processing device
WO 2016070193	NODAL INC	Systems, apparatus, and methods for improving safety related to movable/moving objects

[...ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2016047462	UNIV NAGOYA NAT UNIV CORP AUTONETWORKS TECHNOLOGIES LTD SUMITOMO WIRING SYSTEMS SUMITOMO ELECTRIC INDUSTRIES	Rewrite detection system and information processing device
WO 2016048528	INTEL CORP	Technologies for route navigation sharing in a community cloud
WO 2016055560	CONTINENTAL TEVES AG & CO OHG	Method for operating a central server and method for handling a rule chart
WO 2016075711	BADIGER AKSHAY AJIT	System and method for managing state of automobiles
WO 2016090282	COWBYT TECHNOLOGIES LLC	Autonomous navigation system
WO 2016094040	INTEL CORP	Coordinated crowd dispersal navigation
WO 2016053072	PALAZUELOS VALDES ALVARO	System and method for estimating the statistical risk related to parking a vehicle in an authorised area
WO 2016055561	CONTINENTAL TEVES AG & CO OHG	Method for handling a rule chart
WO 2016049812	BAYERISCHE MOTOREN WERKE AG	Automatic parking warning system
	ISERT CARSTEN	
WO 2016053074	PALAZUELOS ADRÉS ALVARO	Highly reliable management of valet parking
WO 2016055562	CONTINENTAL TEVES AG & CO OHG	Method for handling a rule chart
WO 2016058784	CONTINENTAL AUTOMOTIVE GMBH	Method for driving assistance, in accordance with a signal system
WO 2016092528	ERICSSON TELEFON AB L M	Transport format for communications
WO 2016088398	TOSHIBA KK	Abnormality monitoring system, abnormality monitoring method, computer program and abnormality monitoring apparatus
WO 2016088462	HITACHI AUTOMOTIVE SYSTEMS LTD	Vehicle control apparatus
WO 2016065375	FTS COMPUTERTECHNIK GMBH	Computer vision monitoring for a computer vision system
WO 2016100219	POLARIS INDUSTRIES INC	Autonomous ready vehicle
WO 2016083543	TOMTOM TELEMATICS B V	Apparatus and method for vehicle economy improvement

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** 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.