

Boletín VT

COCHE INTELIGENTE

32

4º trimestre 2017

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: 088-17-023-0



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
WO 2017192446	ROUSH ENTPR INC	Method and apparatus for accessing data traffic in a controller area network
WO 2017209666	TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)	Method and platoon manager for enabling a wireless device in a vehicle to communicate over a cellular network
WO 2017164721	BOULMAKOUL AZEDINE KARIM LAMIA DALSSAOUI ABDELLAH	System for supervising and controlling traffic
WO 2017161498	HUAWEI TECH CO LTD	Vehicle control method, apparatus and system
WO 2017201600	VAUDRIN FRANCOIS	Control and manage traffic light system with vanet
WO 2017169181	PANASONIC IP MAN CO LTD	Demand responsive operation system
WO 2017166129	HUAWEI TECH CO LTD	Bearer switching method, base station apparatus, and network node
WO 2017205822	UBER TECH INC	Facilitating rider pick-up for a self-driving vehicle
WO 2017203508	MATTAR AMIR	System and method for traffic flow management using an adaptive lane system
WO 2017197295	M2MD TECH INC	Method and system for providing low bandwidth and high bandwidth communications services using different user equipment profiles

[..ver más](#)

REDES VEHICULARES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2017167353	SONY MOBILE COMMUNICATIONS INC	Connection establishment triggered broadcast relay
WO 2017190794	RWE INT SE	Traffic system
WO 2017171906	INTEL IP CORP	Systems and methods for centralized and decentralized communication modes for v2x services
WO 2017173988	HUAWEI TECH CO LTD	V2v communication method, device and system
WO 2017185914	HAN LEI	Electric automobile energy monitoring and swapping network in remote monitoring of cloud computing network architecture
WO 2017189361	PCMS HOLDINGS INC	System and method for calibration of vehicle sensors assisted by inter-vehicle communication
WO 2017193820	ZTE CORP	Resource request and resource allocation method, device, and storage medium
WO 2017180382	PCMS HOLDINGS INC	System and method for data validation in a decentralized sensor network
WO 2017194821	NOKIA TECHNOLOGIES OY	Reporting of location information
WO 2017172108	CONNOR PATRICK L	Comfort ride vehicle control system
WO 2017180394	PCMS HOLDINGS INC	Method and system for online performance monitoring of the perception system of road vehicles
WO 2017171467	SAMSUNG ELECTRONICS CO LTD	V2x message transmitting method and apparatus
WO 2017187931	DENSO CORP	Driving assistance device and center
WO 2017166921	ZTE CORP	Resource allocation method and apparatus
WO 2017167012	TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL) LU QIANXI	Method and apparatus for facilitating multicast communication
WO 2017184063	SCANIA CV AB	Method and system for adapting platooning operation according to behaviour of other road users
WO 2017172095	DELPHI TECH INC	Cooperative automated vehicle system
WO 2017164838	FORD GLOBAL TECH LLC	Propagation of alerts regarding traffic events
WO 2017177969	PODWAY LTD	System for and method of maximizing utilization of a closed transport system in an on-demand network
WO 2017200430	TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)	Methods and vehicle, network node and user equipment for enabling efficient paging
WO 2017171521	SAMSUNG ELECTRONICS CO LTD	Method and equipment for transmitting synchronization signal and psbch in v2x communication

[..ver más](#)

GESTIÓN DE APARCAMIENTOS Y PEAJES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2017178401	BOSCH GMBH ROBERT	Smart dc microgrid parking structures using power line communications
WO 2017191557	KING ABDULLAH UNIV OF SCIENCE AND TECHNOLOGY	Smart parking management and navigation system
WO 2017171754	SONY MOBILE COMMUNICATIONS INC	Network controlled filtering of mobility information
WO 2017167568	INIT INNOVATIVE INFORMATIKANWENDUNGEN IN TRANSPORT-VERKEHRS- UND LEITSYSTEMEN GMBH	Method and system for recognising presence and/or ascertaining fare for a passenger in a vehicle
WO 2017178139	BOSCH GMBH ROBERT	Automated parking service having parking spaces that can be rented out
WO 2017205941	IOMNISCIENT PTY LTD	A system and method for the control of vehicle operations
WO 2017168761	MITSUBISHI HEAVY IND MECHATRONICS SYSTEMS LTD	On-board device, automatic toll collection machine, toll collection system, and toll collection method
WO 2017186998	KARINVEST ATLANTIC SL	System and method for automatic payment or pre-payment of tolls via smartphone
WO 2017206025	HARMAN INT INDUSTRIES INCORPORATED NIE WEIRAN	A system and method for estimating parking availability
WO 2017181333	HUAWEI TECH CO LTD	Transport service acquisition method and related apparatus
WO 2017176489	BELL LANDON	Method and system for identifying a parking space
WO 2017195120	SMARTDRIVE SYSTEMS INC	Systems and methods for capturing and offloading different information based on event trigger type
WO 2017169266	MITSUBISHI HEAVY IND MECHATRONICS SYSTEMS LTD	Parking management system and parking management method

[...ver más](#)

NOTIFICACIÓN DE ACCIDENTES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2017189610	RAPIDSOS INC	Systems and methods for emergency communications
WO 2017207579	AUDI AG	Assistance system and method for transferring data regarding an accident or a breakdown of a vehicle
WO 2017183376	MAZDA MOTOR	Emergency notification device and emergency notification system
WO 2017170871	MAZDA MOTOR	Vehicular emergency notification device
WO 2017165939	CAE INC	Method, device and system for calculating a list of priority indicators, in an emergency-vehicle-units deployment system, for each of a plurality of posts
WO 2017180052	TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)	Method and apparatuses for reference signal generation

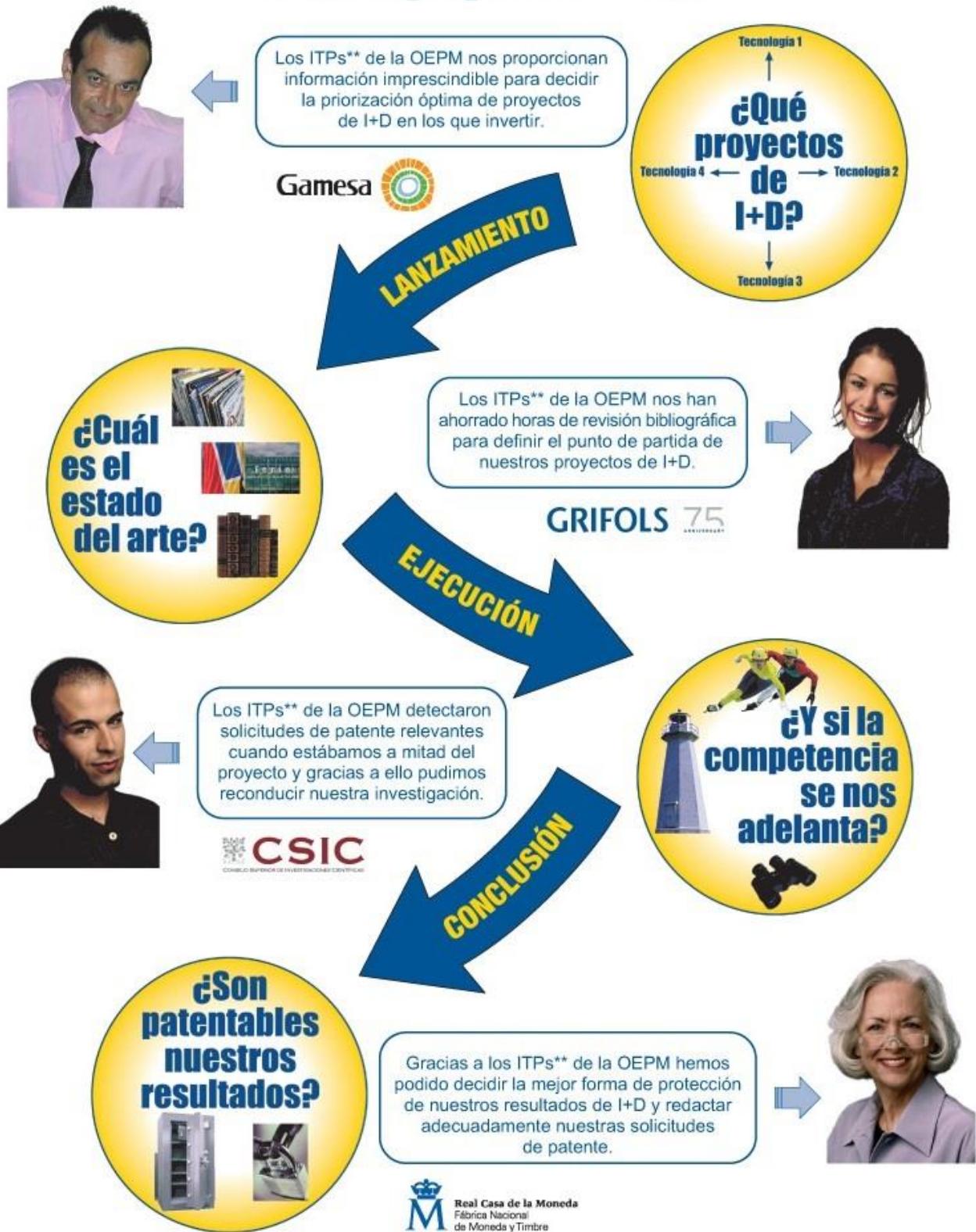
[...ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2017175011	HARVEY JULIAN MELMAN EMANUEL	Vehicle mileage verification system and method
WO 2017198434	AUDI AG	Method and system for determining a route from a motor vehicle location to a destination
WO 2017207153	BOSCH GMBH ROBERT	Method for providing information regarding a pedestrian in an environment of a vehicle and method for controlling a vehicle
WO 2017207154	BOSCH GMBH ROBERT	Method for warning of a pedestrian in an environment of a vehicle in the parked state and method for controlling a vehicle
WO 2017211488	BOSCH GMBH ROBERT	Method, device and system for detecting wrong-way drivers
WO 2017196168	FUGRO TECH B V	Fiber-optic based traffic and infrastructure monitoring system
WO 2017204029	KYOCERA CORP	In-vehicle device, vehicle, notification system, and notification method
WO 2017205457	NAVRESEARCH INC	System and method for vehicle assessment and uses thereof
WO 2017182351	THYSSENKRUPP PRESTA AG	Transport key for a steer-by-wire steering system for motor vehicles
WO 2017185042	ITERIS INC	Notification of bicycle detection for cyclists at a traffic intersection
WO 2017192261	DELPHI TECH INC	Automated vehicle operating system with driving-rule modification based on observation of another vehicle
WO 2017200532	FORD GLOBAL TECH LLC	Apparatus and methods for detection and notification of icy conditions using integrated vehicle sensors
WO 2017164725	REMBERG BUENO ERNST ALBERT	System for issuing a warning against impact in a vehicle when parked
WO 2017176122	APACE RESOURCES AS	The present invention concerns a system for controlling traffic
WO 2017209907	DELPHI TECH INC	Roadway-infrastructure-maintenance system using automated vehicles
WO 2017176123	APACE RESOURCES AS	System for counting passengers
WO 2017177008	NEC LAB AMERICA INC	Video capturing device for predicting special driving situations
WO 2017184061	SCANIA CV AB	Method and control unit in a vehicle for estimating a stretch of a road based on a set of tracks of another vehicle



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