

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 abordaje 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

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

| | | |
|---------------------------------|-------------------------------|--|
| WO2013067393 A1 | QUALCOMM INC | Method and system to illuminate road markers to identify the presence of road users |
| WO2013064447 A2 | SIEMENS AG | System for performing traffic control of electrically driven vehicles in a road network |
| WO2013060774 A1 | TOMTOM DEV GERMANY GMBH | Methods and systems for determining information relating to the operation of traffic control signals |
| WO2013057664 A2 | BITFIX SYSTEMS LTD | System for collision prediction and traffic violation detection |
| WO2013045714 A1 | UNITRONICS COMUNICACIONES S A | Traffic control device |
| WO2013047409 A1 | SUMITOMO ELECTRIC INDUSTRIES | Traffic signal controller, and traffic signal control method |

[..ver más](#)

REDES VEHICULARES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

| | | |
|---------------------------------|--------------------------------|--|
| WO2013041199 A1 | ALLIANZ TELEMATICS S P A | Telematics on-board unit for vehicles |
| WO2013042494 A1 | HITACHI AUTOMOTIVE SYSTEMS LTD | Vehicle-mounted control device |
| WO2013045839 A1 | IER SYSTEMS | Method and system for detecting incidents on a vehicle offered for hire, and automated hiring system implementing such a method and system |
| WO2013045988 A1 | TOYOTA MOTOR CO LTD | Method and system for a vehicle information integrity verification |
| WO2013049257 A1 | BOSCH GMBH ROBERT | Methods for robust wireless communication for nodes located in vehicles |
| WO2013051122 A1 | TOYOTA MOTOR CO LTD | In-vehicle network system |
| WO2013060419 A1 | VOLKSWAGEN AG | Slave control device and method for programming a slave control device |
| WO2013060643 A1 | VALEO SCHALTER & SENSOREN GMBH | Method for automatically assigning a specific identifier to each of a plurality of sensors of a motor vehicle, system and computing device |
| WO2013063232 A1 | SNAP ON TOOLS CORP | Method and system for automated and manual data capture configuration |
| WO2013072095 A1 | BOSCH GMBH ROBERT | Method for safely parking a vehicle in an emergency situation |
| WO2013073881 A1 | KOREA TRANSP SAFETY AUTHORITY | System and method for eco drive education, evaluation and authentication services |
| WO2013074198 A1 | BOEING CO | Control panel system for a vehicle |
| WO2013081765 A1 | CONTINENTAL AUTOMOTIVE SYSTEMS | Improved system operation for telematics systems that use a battery |
| WO2013083644 A1 | CONTINENTAL AUTOMOTIVE GMBH | Network component for a vehicle network and corresponding vehicle network |
| WO2013093591 A1 | TOYOTA MOTOR CO LTD | Vehicle network monitoring method and apparatus |

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GESTIÓN DE APARCAMIENTOS Y PEAJES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

| | | |
|---------------------------------|--------------------------------------|---|
| WO2013045449 A2 | NEC EUROPE LTD | Method and system for charging electric vehicles |
| WO2013045828 A1 | IER SYSTEMS | Method and system for managing vehicles offered for rental |
| WO2013045830 A1 | IER SYSTEMS | Subscription method and system, and automated rental equipment implementing such a method and system |
| WO2013045834 A1 | IER SYSTEMS | Method and system for managing parking spaces in the context of automated vehicle rental, and vehicle rental facility |
| WO2013045835 A1 | IER SYSTEMS | Method and system for remote reservation of a parking space, and automated vehicle rental facility |
| WO2013045838 A1 | IER SYSTEMS | Method and system for managing rental sites and installation for automated rental implementing such a method and/or system |
| WO2013045840 A1 | IER SYSTEMS | Method and system for signalling actions of users at an automated vehicle hiring site, and automated hiring installation implementing such a method and/or system |
| WO2013049418 A2 | SENSYS NETWORKS INC | Position and/or distance measurement parking and/or vehicle detection, apparatus, networks, operations and/or systems |
| WO2013052970 A1 | TELOGIS INC | Vehicle fleet routing system |
| WO2013063480 A1 | HEED THOMAS PAUL HEED JOHN CULVER | Method and system for fleet navigation, dispatching and multi-vehicle, multi-destination routing |
| WO2013064426 A1 | FLEETMatics IRL LTD | A system and method for tracking and alerting for vehicle speeds |
| WO2013072926 A2 | TATA CONSULTANCY SERVICES LTD | A computing platform for development and deployment of sensor-driven vehicle telemetry applications and services |
| WO2013073625 A1 | TOSHIBA KK | Billing system and electric vehicle charging system |
| WO2013076342 A1 | MAYOR AGELL JAUME | System for accessing parking spaces |
| WO2013083109 A1 | STEFFEN RICHARD | Method for determining the occupancy of a parking area with at least one entrance and exit |
| WO2013085582 A1 | NAVMAN WIRELESS NORTH AMERICA LP | Safety monitoring in systems of mobile assets |
| WO2013086140 A1 | MASSACHUSETTS INST TECHNOLOGY | Real-time parking availability system |
| WO2013087988 A1 | NOKIA CORP | Method and apparatus for determining parking area location information |
| WO2013088431 A1 | KORMAN RONEN | Method and system for automatic vacant parking place locator |

[...ver más](#)

NOTIFICACIÓN DE ACCIDENTES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

| | | |
|---------------------------------|--------------------|--|
| WO2013081613 A1 | INTEL CORP | Automated driver alert system |
| WO2013094290 A1 | HONDA MOTOR CO LTD | Emergency reporting system |
| WO2013095019 A1 | INFOBANK CORP | Information processing method and system, and recording medium |

[...ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

| | | |
|---------------------------------|--------------------------------|--|
| WO2013052127 A1 | QUALCOMM INC | Method and apparatus for filtering and processing received vehicle peer transmissions based on reliability information |
| WO2013055531 A1 | CUNNINGHAM THOMAS W | Vehicle data communication and display system |
| WO2013057174 A1 | DEUTSCHE POST AG | Comparing positional data |
| WO2013063671 A1 | RICHINITI HINGEL RICARDO | Integrated traffic warning system for motorists and pedestrians |
| WO2013069130 A1 | MITSUBISHI ELECTRIC CORP | Vehicle system |
| WO2013069278 A1 | SANYO ELECTRIC CO | Wireless apparatus |
| WO2013073297 A1 | NISSAN MOTOR CLARION CO LTD | Maximum distance prediction device, maximum distance prediction system, and maximum distance prediction method |
| WO2013074998 A1 | P97 NETWORKS INC | Payment system for vehicle fueling |
| WO2013090226 A1 | CODE 3 INC | Wireless control and coordination of light bar and siren |