

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

|  |  |   |
|--|--|---|
| <a href="#">WO 2013179199 A2</a><br><a href="#">20131205</a> | Ericsson telefon ab l m  | Mobile terminal relaying of event notifications in an intelligent transportation system                     |
| <a href="#">WO 2012013228 A1</a><br><a href="#">20120202</a> | Traffic network solutions<br>s l<br>Nordentoft Robert<br>Garrido Gonzalez Gabriel<br>Felipe<br>Perez Casares David | A method and a system for monitoring traffic of vehicles  |
| <a href="#">WO 2013179226 A1</a><br><a href="#">20131205</a> | Ericsson telefon ab l m  | A geomessaging server and client for relaying event notifications via a vanet                               |
| <a href="#">WO 2013184071 A1</a><br><a href="#">20131212</a> | Tan seow loong   | A system for capturing and retrieving information related to traffic  |
| <a href="#">WO 2013143621 A1</a><br><a href="#">20131003</a> | Nec europe ltd<br>alesiani francesco<br>baldessari roberto   | Method and system for adapting vehicular traffic flow   |
| <a href="#">WO 2013150230 A1</a><br><a href="#">20131010</a> | Coyote system  | Method and device for automatically acquiring and managing road disruptions                                 |
| <a href="#">WO 2013171780 A1</a><br><a href="#">20131121</a> | Hitachi ltd<br>otsuka rieko<br>suzuki kei  | Transportation route distribution ratio control system and transportation route distribution control method |
| <a href="#">WO 2013133591 A1</a><br><a href="#">20130912</a> | Sk planet co ltd   | System and method for collecting traffic information  |
| <a href="#">WO 2013140586 A1</a><br><a href="#">20130926</a> | Toyota motor co ltd<br>iwata yasunari  | Traffic control device and traffic control system   |
| <a href="#">WO 2013154169 A1</a><br><a href="#">20131017</a> | Hitachi construction<br>machinery  | Traffic management system for mobile body   |
| <a href="#">WO 2013172088 A1</a><br><a href="#">20131121</a> | Toshiba kk   | Social infrastructure control system, control method, control device, and server                            |

[..ver más](#)

## REDES VEHICULARES

### Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

|  |  |  |
|--|--|--|
| <a href="#">WO 2013186154</a><br><a href="#">A1 20131219</a> | Continental automotive gmbh                          | Ring network for a vehicle   |
| <a href="#">WO 2013184403</a><br><a href="#">A1 20131212</a> | Elwha llc  | Replaceable battery valuation system   |
| <a href="#">WO 2013184877</a><br><a href="#">A2 20131212</a> | Airbiquity inc                                       | Assessment of electronic sensor data to remotely identify a motor vehicle and monitor driver behavior  |
| <a href="#">WO 2013154319</a><br><a href="#">A1 20131017</a> | Samsung electronics co ltd                           | Management server and method for controlling device, user terminal apparatus and method for controlling device, and user terminal apparatus and control method thereof |
| <a href="#">WO 2013171959</a><br><a href="#">A1 20131121</a> | Nissan motor   | Network control device for vehicle and in-vehicle network correspondence device  |
| <a href="#">WO 2013171835</a><br><a href="#">A1 20131121</a> | Toyota motor co ltd shirai kuniyoshi                 | Communication apparatus, communication system, and communication method  |
| <a href="#">WO 2013171829</a><br><a href="#">A1 20131121</a> | Toyota motor co ltd mabuchi mitsuhiro okude kazuhiko | Vehicle-specific network communication management device and communication management method   |
| <a href="#">WO 2013150244</a><br><a href="#">A1 20131010</a> | Renault sa   | Autonomous mode vehicle control system and vehicle comprising such a control system  |
| <a href="#">WO 2013136748</a><br><a href="#">A1 20130919</a> | Panasonic corp                                       | Radio device   |

[..ver más](#)

## GESTIÓN DE APARCAMIENTOS Y PEAJES

### Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

|  |  |  |
|--|--|--|
| <a href="#">WO 2013177331</a><br><a href="#">A1 20131128</a> | Global integrated technologies inc   | Rental/car-share vehicle access and management system and method                             |
| <a href="#">WO 2013159973</a><br><a href="#">A1 20131031</a> | Fleetmatics irl ltd  | System and method for managing vehicle dispatch and fleet workflow                           |
| <a href="#">WO 2013159975</a><br><a href="#">A1 20131031</a> | Fleetmatics irl ltd  | System and method for automated identification of frequent stop locations for vehicle fleets |
| <a href="#">WO 2013155386</a><br><a href="#">A1 20131017</a> | P w precyse wireless ltd   | Gps positioning system   |
| <a href="#">WO 2013139455</a><br><a href="#">A1 20130926</a> | Schlauerparken ug  | Method for displaying parking spaces   |
| <a href="#">WO 2013172217</a><br><a href="#">A1 20131121</a> | Toshiba kk   | On-vehicle device and toll collecting system   |
| <a href="#">WO 2013164494</a><br><a href="#">A1 20131107</a> | Valoriza servicios medioambientales s a tecnigral s l<br>Marin Muela Carlos<br>Elvira Gabriel Oscar<br>Garcia Doval Jose Javier<br>Doval Garcia Santiago | Acquisition method   |
| <a href="#">WO 2013137182</a><br><a href="#">A1 20130919</a> | Nissan motor   | Vehicle sharing system and vehicle sharing method  |
| <a href="#">WO 2013140398</a><br><a href="#">A1 20130926</a> | Zahavi eyal  | A parking management system  |
| <a href="#">WO 2013154967</a><br><a href="#">A1 20131017</a> | Inrix inc  | Parking resource management  |
| <a href="#">WO 2013165298</a><br><a href="#">A1 20131107</a> | Scania cv ab   | Method and system for regulating vehicles  |

[...ver más](#)

## NOTIFICACIÓN DE ACCIDENTES

### Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

|  |  |   |
|--|--|---|
| <a href="#">WO 2013160924</a><br><a href="#">A1 20131031</a> | Octo telematics s p a  | Reduced dimensions device and method for detecting road accidents and driving styles  |
| <a href="#">WO 2013174541</a><br><a href="#">A1 20131128</a> | Siemens ag   | Method for communicating within an ad hoc-type motor vehicle communication system, in particular a wireless motor vehicle communication system, transport infrastructure device and transport user device |
| <a href="#">WO 2013160012</a><br><a href="#">A1 20131031</a> | Volkswagen ag  | Apparatus and method for triggering an emergency call in a motor vehicle  |
| <a href="#">WO 2013158355</a><br><a href="#">A1 20131024</a> | Santora thomas   | Method and apparatus for information exchange in vehicles   |
| <a href="#">WO 2013170882</a><br><a href="#">A1 20131121</a> | Ericsson Telefon Ab L M<br>Nyberg Marcus<br>Norlin Cristian<br>Gomez Peter | Collaborative vehicle detection of objects with a predictive distribution   |
| <a href="#">WO 2013150557</a><br><a href="#">A1 20131010</a> | Octo telematics s p a  | Device and method for detecting road accidents, driving styles and for finding vehicles   |
| <a href="#">WO 2013136894</a><br><a href="#">A1 20130919</a> | Nissan motor   | Monitoring system and monitoring method   |
| <a href="#">WO 2013148314</a><br><a href="#">A1 20131003</a> | Sylo systems llc   | Portable sign   |
| <a href="#">WO 2013141036</a><br><a href="#">A1 20130926</a> | Hitachi automotive systems ltd   | Vehicular communication device and communication management system  |
| <a href="#">WO 2013150558</a><br><a href="#">A1 20131010</a> | Octo telematics s p a  | Device and method for detecting road accidents, driving styles and for finding vehicles   |

[...ver más](#)

## OTRAS REFERENCIAS

### Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

|  |   |   |
|--|---|---|
| <a href="#">WO 2013187835</a><br><a href="#">A1 20131219</a> | Scania cv ab  | System and method for assisting a vehicle when overtaking a vehicle train   |
| <a href="#">WO 2013184832</a><br><a href="#">A2 20131212</a> | Zoll medical corp<br>gompert jeff m<br>ashmore chad<br>durie william e jr<br>reid c shane | Systems and methods for video capture, user feedback, reporting, adaptive parameters, and remote data access in vehicle safety monitoring |
| <a href="#">WO 2013145190</a><br><a href="#">A1 20131003</a> | Pioneer Corp<br>Pioneer System<br>Technology Corp<br>Tsuji Toshiharu                      | Management device, terminal device, and route management method   |
| <a href="#">WO 2013151414</a><br><a href="#">A1 20131010</a> | Universiti malaya um  | A method and apparatus of obtaining and processing vehicle data   |
| <a href="#">WO 2013165328</a><br><a href="#">A1 20131107</a> | Dnz telekomunikasyon<br>lojistik infaat taahhuet<br>sanayi ticaret ltd sirketi            | A traffic safety system   |
| <a href="#">WO 2013144520</a><br><a href="#">A1 20131003</a> | Orange  | Routing method and equipment for communication between vehicles   |
| <a href="#">WO 2013171089</a><br><a href="#">A1 20131121</a> | Continental teves ag & co<br>ohg  | Method and system for autonomous tracking of a following vehicle on the track of a leading vehicle  |
| <a href="#">WO 2013161882</a><br><a href="#">A1 20131031</a> | Hitachi construction<br>machinery   | Operation management system   |
| <a href="#">WO 2013148849</a><br><a href="#">A1 20131003</a> | United technologies corp  | System and method for managing a vehicle and a fleet of vehicles  |