

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

WO 2014134551 A1 20140904	NAZTEC INC	WIRELESS VEHICLE DETECTOR AGGREGATOR AND INTERFACE TO CONTROLLER AND ASSOCIATED METHODS
WO 2014145430 A1 20140918	ACYCLICA INC	TRAFFIC ANALYSIS SYSTEM USING WIRELESS NETWORKING DEVICES
WO 2014114751 A1 20140731	EILERTSEN ROGER ANDRÉ	A TRAFFIC SURVEILLANCE AND GUIDANCE SYSTEM
WO 2014124211 A2 20140814	INRIX INC	INCENTIVE-BASED TRAFFIC MANAGEMENT
WO 2014126852 A1 20140821	QUALCOMM INC	FACILITATING VEHICLE MERGING UTILIZING ROAD MARKERS
WO 2014111982 A1 20140724	MITSUBISHI ELECTRIC CORP	TRANSMISSION CONTROL SYSTEM, SERVER DEVICE, AND VEHICLE
WO 2014116153 A1 20140731	ERICSSON TELEFON AB L M	APPARATUS, SERVER, AND METHOD FOR CONTROLLING TRAFFIC FLOW IN ROAD NETWORK
WO 2014084593 A1 20140605	KOREA TRANSP INST	APPARATUS AND METHOD FOR SUPPORTING SAFE DRIVING
WO 2014126390 A1 20140821	AJOU UNIV IND ACAD COOP FOUND	SAFE MONITORING TECHNIQUE FOR MOVING K-NEAREST QUERIES IN ROAD NETWORK
WO 2014118962 A1 20140807	HITACHI AUTOMOTIVE SYSTEMS LTD	TRAVEL CONTROL DEVICE AND TRAVEL CONTROL SYSTEM
WO 2014081148 A1 20140530	LEE HEUNG SOO	APPARATUS AND METHOD FOR UTILIZING TRAFFIC INFORMATION
WO 2014109311 A1 20140717	MITSUBISHI HEAVY IND LTD	TRAFFIC INFORMATION PROCESSING DEVICE AND PROCESSING METHOD AND PROGRAM THEREFOR

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REDES VEHICULARES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2014135447 A1 20140912	BAYERISCHE MOTOREN WERKE AG	DATA PROCESSING SYSTEM AND METHOD FOR PROCESSING TRAINING DATA RELATING TO THE TRAINING OF MOTOR VEHICLE DRIVERS
WO 2014107693 A1 20140710	SIRIUS XM CONNECTED VEHICLE SERVICES INC	METHOD AND SYSTEM FOR PROVIDING CLOUD- BASED COMMON DISTRIBUTION APPLICATIONS
WO 2014122243 A1 20140814	BAYERISCHE MOTOREN WERKE AG	METHOD AND DEVICE FOR CONNECTING A DIAGNOSTIC UNIT TO A CONTROL UNIT IN A MOTOR VEHICLE
WO 2014080803 A1 20140530	NISSAN MOTOR	CONTROL DEVICE FOR HYBRID VEHICLE
WO 2014100474 A1 20140626	WALKER BRETT I	APPARATUS, SYSTEMS AND METHODS FOR MONITORING VEHICULAR ACTIVITY
WO 2014129019 A1 20140828	MITSUBISHI HEAVY IND AUTOMOTIVE THERMAL SYSTEMS CO LTD	CONTROL SYSTEM FOR COOLING FAN FOR VEHICLES AND CONTROL METHOD THEREFOR
WO 2014090131 A1 20140619	SHANGHAI RES CT WIRELESS COMM	METHOD FOR TRANSMITTING SECURITY MESSAGE BASED ON VEHICULAR NETWORK
WO 2014092398 A1 20140619	KYUNGPOOK NAT UNIV IND ACAD	METHOD FOR TRANSMITTING DATA FROM COMMUNICATION DEVICE FOR PROVIDING VEHICLE INFOTAINMENT SERVICE AND SYSTEM USING SAME
WO 2014107743 A1 20140710	CLOUDCAR INC	NAVIGATION BASED ON CALENDAR EVENTS
WO 2014115455 A1 20140731	HITACHI AUTOMOTIVE SYSTEMS LTD	NETWORK DEVICE AND DATA SENDING AND RECEIVING SYSTEM
WO 2014108993 A1 20140717	MITSUBISHI ELECTRIC CORP	AUTHENTICATION PROCESSING DEVICE, AUTHENTICATION PROCESSING SYSTEM, AUTHENTICATION PROCESSING METHOD AND AUTHENTICATION PROCESSING PROGRAM

[..ver más](#)

GESTIÓN DE APARCAMIENTOS Y PEAJES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2014090533 A1 20140619	BLUECARSHARING	METHOD AND SYSTEM FOR CONTROLLING ACCESS TO A STATION FOR AUTOMATED RENTAL OF VEHICLES SITUATED WITHIN A STRUCTURE ACCESS TO WHICH IS CONTROLLED
WO 2014100584 A1 20140626	PARKOPEDIA LTD	SYSTEM AND METHOD FOR LOCATING AVAILABLE PARKING SPACES
WO 2014127057 A1 20140821	CAH TECHNOLOGY	SYSTEMS AND METHODS FOR AN AUTOMATED PARKING FACILITY
WO 2014138676 A1 20140912	NEXT LEVEL SECURITY SYSTEMS INC	SYSTEM AND METHOD FOR SCANNING VEHICLE LICENSE PLATES
WO 2014116147 A1 20140731	ERICSSON TELEFON AB L M	MOBILE TERMINAL, CONTROL METHOD THEREOF, TOLLING SERVER, AND CONTROL METHOD THEREOF
WO 2014116964 A1 20140731	TT GOVERNMENT SOLUTIONS INC	METHOD AND SYSTEM FOR VISUALIZING AND ANALYZING A FIELD AREA NETWORK
WO 2014117041 A1 20140731	MUNICIPAL PARKING SERVICES INC	PARKING METER SYSTEM
WO 2014117180 A1 20140731	COMMERCIAL FINANCE CORP SA DE PANAMA	SYSTEMS, METHODS, AND DEVICES FOR SECURING CARGO
WO 2014077695 A1 20140522	SØVIKNES OLE G	SYSTEM AND METHOD FOR CONTROL OF VEHICLE OPERATION, VEHICLE, AND USES OF THE SYSTEM
WO 2014105204 A1 20140703	INTEL CORP	SYSTEMS AND METHODS FOR MANAGING PARKING TRANSACTIONS
WO 2014085617 A1 20140605	GEIST WYATT D	METHOD AND APPARATUS FOR PROVIDING A TOLL SERVICE AND FLEXIBLE TOLL DEVICE
WO 2014092399 A1 20140619	KYUNGPOOK NAT UNIV IND ACAD	PARKING RESERVATION MANAGEMENT SYSTEM DEVICE AND METHOD FOR MANAGING PARKING RESERVATION
WO 2014099903 A2 20140626	TCS INTERNATIONAL INC	ZONE CONTROLLER

[...ver más](#)

NOTIFICACIÓN DE ACCIDENTES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2014132437 A1 20140904	MITSUBISHI ELECTRIC CORP	COMMUNICATION DEVICE, CONTROL DEVICE, AND PROGRAM
WO 2014111537 A1 20140724	TOMTOM DEV GERMANY GMBH	METHOD AND APPARATUS FOR CREATING MAP DATA
WO 2014104449 A1 20140703	LEE SUNG JONG	VEHICLE DIAGNOSTIC APPARATUS, AND METHOD THEREFOR
WO 2014131534 A1 20140904	BOSCH GMBH ROBERT	METHOD FOR AUTOMATICALLY TRANSMITTING AN EMERGENCY CALL IN THE EVENT OF AN ACCIDENT OF A MOTORIZED TWO-WHEELED VEHICLE
WO 2014084916 A1 20140605	INTEL CORP	SYSTEMS AND METHODS FOR COLLECTING VEHICLE EVIDENCE
WO 2014091771 A1 20140619	SMK KK	INPUT DEVICE FOR VEHICLE
WO 2014095512 A1 20140626	BAYERISCHE MOTOREN WERKE AG	METHOD FOR COMMUNICATION OF A VEHICLE WITH ITS SURROUNDINGS
WO 2014119196 A1 20140807	NEC CORP	MOBILE COMMUNICATION APPARATUS, BASE STATION, SERVER APPARATUS, MOBILE COMMUNICATION SYSTEM, MOBILE COMMUNICATION METHOD AND PROGRAM

[...ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2014080023 A1 20140530	TOMTOM BELGIUM N V	METHOD OF DETERMINING TRAJECTORIES THROUGH ONE OR MORE JUNCTIONS OF A TRANSPORTATION NETWORK
WO 2014146874 A1 20140925	SIEMENS AG	METHOD AND DEVICE FOR COMMUNICATION BETWEEN ROAD USERS AND/OR PEDESTRIANS AND A TRAFFIC INFRASTRUCTURE ON THE BASIS OF AN AD-HOC WIRELESS MOTOR VEHICLE COMMUNICATIONS SYSTEM FOR TRAFFIC CONTROL
WO 2014096345 A1 20140626	CONTINENTAL TEVES AG & CO OHG	METHOD AND SYSTEM FOR LEARNING TRAFFIC EVENTS, AND USE OF THE SYSTEM
WO 2014130194 A1 20140828	APPLE INC	AUTOMATIC IDENTIFICATION OF VEHICLE LOCATION
WO 2014115239 A1 20140731	PIONEER CORP	TRAFFIC LIGHT RECOGNITION DEVICE, CONTROL METHOD, PROGRAM, AND MEMORY MEDIUM
WO 2014125671 A1 20140821	MITSUBISHI HEAVY IND LTD	TRAFFIC CONTROL DEVICE, TRAFFIC CONTROL METHOD, AND PROGRAM
WO 2014130195 A1 20140828	APPLE INC	VEHICLE LOCATION IN WEAK LOCATION SIGNAL SCENARIOS
WO 2014109972 A1 20140717	GORDON HOWARD ASSOCIATES INC	METHOD AND SYSTEM FOR PROVIDING FEEDBACK BASED ON DRIVING BEHAVIOR
WO 2014111874 A1 20140724	PROOF OF PERFORMANCE DATA SERVICES PVT LTD	SYSTEM AND METHOD FOR EVALUATING GEO-TAGGED BILLBOARDS
WO 2014096398 A1 20140626	INST OF TECHNOLOGY BLANCHARDSTOWN	SYSTEM AND METHOD FOR MULTILINE RETROREFLECTION MEASUREMENT OF ROAD MARKINGS