Boletín VT

COCHE INTELIGENTE

4.º trimestre 2012 **12**

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 mas 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:

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
WO2012161597 A2	CROWN EQUIPMENT LTD [NZ] et al.	METHOD AND APPARATUS FOR PROVIDING ACCURATE LOCALIZATION FOR AN INDUSTRIAL VEHICLE
WO2012145761 A2	F3M3 COMPANIES INC [US], DANIEL ISAAC S [US]	A COMPREHENSIVE AND INTELLIGENT SYSTEM FOR MANAGING TRAFFIC AND EMERGENCY SERVICES
WO2012141601 A2	CROWN EQUIPMENT LTD [NZ], THOMSON JACOB JAY [NZ]	METHOD AND APPARATUS FOR EFFICIENT SCHEDULING FOR MULTIPLE AUTOMATED NON-HOLONOMIC VEHICLES USING A COORDINATED PATH PLANNER
WO2012138974 A1	NAVTEQ B V [NE] et al.	TREND BASED PREDICTIVE TRAFFIC
WO2012144429 A1	NEC CORP [JP], OURA SATOSHI [JP]	TRAFFIC SITUATION MONITORING SYSTEM, METHOD, AND STORAGE MEDIUM
WO2012138847 A2	MITCHELL PETER [IE], FLEETMATICS IRL LTD [IE]	SYSTEM AND METHOD FOR PROVIDING VEHICLE AND FLEET PROFILES AND PRESENTATIONS OF TRENDS
WO2012131608 A1	THOMAS ALEX [AE]	ADVANCED VEHICLE TRAFFIC MANAGEMENT AND CONTROL
WO2012126962 A1	TRACKER NETWORK UK LTD [GB], CRINSON PETER [GB]	VEHICLE LOCATION & RECOVERY
WO2012131521 A1	GPS TRACKING SOLUTIONS PTY LTD [ZA], STEYN GRAEME [ZA]	VEHICLE MANAGEMENT SYSTEM
WO2012126726 A2	SIEMENS AG [DE], KISZKA JAN [DE]	SYSTEM FOR THE SHORT-TERM CHARGING OF ELECTRICALLY OPERATED VEHICLES

..ver más

REDES VEHICULARES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2012150362 A1	MORENO GOMEZ PABLO [ES]	SYSTEM FOR MONITORING THE OBSERVANCE OF LAND TRAFFIC REGULATIONS BY VEHICLES INTENDED FOR TRANSPORTING PASSENGERS OR FREIGHT
WO2012132401 A1	PANASONIC CORP [JP], SUGIHARA KENJI	VEHICLE CONTROLLER
WO2012129424 A2	TK HOLDINGS INC [US] et al.	DRIVER ASSISTANCE SYSTEM
WO2012128497 A2	TEKFORUS INC [KR], YUM JEONG-WON [KR]	IN-CAR NETWORK DEVICE FOR SMART CAR
WO2012120350 A2	TOYOTA MOTOR CO LTD [JP] et al.	VEHICLE NETWORK SYSTEM
WO2012134622 A1	CONTINENTAL AUTOMOTIVE SYSTEMS [US] et al.	CONTROLLING OF A POWER STATE UNDER EXTREME TEMPERATURES

..ver más

GESTIÓN DE APARCAMIENTOS Y PEAJES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2012169633 A1	MITSUBISHI HEAVY IND LTD [JP] et al.	ACCOUNTING SYSTEM, USAGE FEE CALCULATION DEVICE, CONTROL METHOD, AND PROGRAM
WO2012163987 A1	PARKEON [FR] et al.	SYSTEM AND METHOD FOR MANAGING PARKING PASSES WHILE LIMITING THE PARKING PASS DEPENDING ON PARKING PASSES PREVIOUSLY PROVIDED TO A USER
WO2012163057 A1	ZTE CORP [CN] et al.	METHOD AND SYSTEM FOR ELECTRONIC TOLL COLLECTION
WO2012163056 A1	ZTE CORP [CN] et al.	METHOD AND SYSTEM FOR ELECTRONIC TOLL COLLECTION
WO2012154913 A2	DUNCAN SOLUTIONS INC [US] et al.	PARKING METER SYSTEM AND METHOD
WO2012151974 A1	ZTE CORP [CN] et al.	METHOD, BASE STATION, AND SYSTEM FOR TOLLING FREE FLOW VEHICLE
WO2012151180 A1	DUFFY DOUGLAS [US], PITCHFORD MARK [US]	RFID CONTROLLED PARKING SYSTEM
WO2012142603 A1	GOOGLE INC [US] et al.	IDENTIFYING PARKING SPOTS
WO2012140583 A1	INNOVATIVE PARKING SOLUTIONS OUE [EE], TIISMA KALLE [EE]	PARKING DEVICE, PARKING SYSTEM AND PARKING MANAGEMENT METHOD
WO2012131029 A1	ACT WIRELESS LTD [GB] et al.	VEHICLE USAGE VERIFICATION SYSTEM
WO2012129480 A2	SPIRE PARKING [US], VOLZ CONSTANCE [US]	PARKING MANAGEMENT SYSTEM AND METHODS
WO2012141665 A1	NETAS TELEKOMUNIKASYON ANONIM SIRKETI [TR], BUYUKKAYHAN AHMET SALIH [TR]	A CAR PARK GUIDANCE AND INFORMATION SYSTEM AND A METHOD FOR THIS SYSTEM
WO2012119305 A1	SHENZHEN GENVICT TECHNOLOGIES CO LTD [CN] et al.	SYSTEM AND METHOD FOR CHARGING AUTHENTICATION IN AN INTELLIGENT TRAFFIC SYSTEM

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NOTIFICACIÓN DE ACCIDENTES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2012161867 A1	CONTINENTAL AUTOMOTIVE SYSTEMS [US], PETERSON DON [US]	ENHANCED TELEMATICS EMERGENCY RESPONSE
WO2012151018 A1	VORACHAROEN SIRI [US] et al.	SYSTEM AND METHOD FOR AIRBAG DEPLOYMENT DETECTION
WO2012135687 A1	QUALCOMM INC [US] et al.	COMMUNICATION OF EMERGENCY MESSAGES WITH ROAD MARKERS
WO2012141570 A2	KHOO CHEN SHIANG [MY] et al.	A SECURITY DETECTION SYSTEM FOR A VEHICLE

...ver más

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2012171749 A1	BOSCH GMBH ROBERT [DE] et al.	METHOD AND CONTROL UNIT FOR ACTUATING AT LEAST ONE HEADLAMP OF A VEHICLE USING A TRAFFIC DENSITY
WO2012167357 A1	SST WIRELESS INC [CA], BORISENKO VLADIMIR [CA]	METHOD AND APPARATUS FOR WIRELESS MONITORING OF TIRE CONDITIONS
WO2012166490 A1	HUSTON CHARLES D [US]	SYSTEM AND METHOD FOR INSERTING AND ENHANCING MESSAGES DISPLAYED TO A USER WHEN VIEWING A VENUE
WO2012166059 A2	CEROVSEK IVAN [SI]	METHOD FOR AN ELECTRONIC ROAD SPEED CONTROL IN ROAD TRAFFIC AND A DEVICE THEREFOR
WO2012160667 A1	TOYOTA MOTOR CO LTD [JP], NAKAGAWA MASASHI [JP]	VEHICLE INFORMATION ACQUIRING APPARATUS, VEHICLE INFORMATION SUPPLYING APPARATUS, AND INFORMATION COMMUNICATING SYSTEM OF VEHICLE HAVING VEHICLE INFORMATION ACQUIRING APPARATUS AND VEHICLE INFORMATION SUPPLYING APPARATUS
WO2012160627 A1	TOYOTA MOTOR CO LTD [JP], SEKIYAMA HIROAKI [JP]	VEHICLE INFORMATION PROVIDING APPARATUS
WO2012159940 A2	SIEMENS AG [DE] et al.	METHOD AND CONTROL UNIT FOR DETECTING MANIPULATIONS OF A VEHICLE NETWORK
WO2012159650 A1	VALEO SCHALTER & SENSOREN GMBH [DE] et al.	METHOD FOR SUPPORTING A DRIVER USING A PORTABLE DEVICE IN A VEHICLE
WO2012154546 A1	GEN ELECTRIC [US] et al.	OFF-BOARD SCHEDULING SYSTEM AND METHOD FOR ADJUSTING A MOVEMENT PLAN OF A TRANSPORTATION NETWORK
WO2012154117 A1	SENTIENT SWEDEN EKONOMISK FOERENING [SE] et al.	ROAD INFORMATION PROVISION DEVICE AND METHOD PROVIDING ENHANCED SAFETY
WO2012157830 A1	MOKPO NAT UNIVERSITY INDUSTRY ACADEMIC COOPERATION FOUNDATION [KR], KIM HYUN GON [KR]	METHOD AND APPARATUS FOR DISTRIBUTING CERTIFICATE REVOCATION LIST BASED ON MULTIMEDIA OBJECT TRANSFER PROTOCOL
WO2012156773 A1	MOBILE DEVICES INGENIERIE [FR], SOLOMON AARON [FR]	SPEED VARIATION MONITORING SYSTEM AND COMMUNICATION METHOD THEREOF
WO2012155254 A1	AXIOS MOBILE ASSETS CORP [CA] et al.	SYSTEMS AND METHODS FOR TRACKING THE USAGE OF ENVIRONMNETALLY EFFICIENT SHIPPING EQUIPMENT AND FOR PROVIDING ENVIRONMENTAL CREDITS BASED ON SUCH USAGE
WO2012145371 A1	INFORMATION LOGISTICS INC [US] et al.	METHOD AND SYSTEM FOR STREAMING DATA FOR CONSUMPTION BY A USER
WO2012139228 A1	IBM [US], IBM CANADA [CA]	VIDEO-BASED DETECTION OF MULTIPLE OBJECT TYPES UNDER VARYING POSES
WO2012139168 A1	CORBETT DANIEL PETER [AU]	A DEVICE, BASE STATION, SYSTEM, ON-BOARD VEHICLE SYSTEM, COMPUTER IMPLEMENTED METHOD AND COMPUTER READABLE STORAGE MEDIUM FOR GENERATING A VEHICLE PROXIMITY WARNING AND A TRANSMITTER FOR TRANSMITTING A PROXIMITY WARNING SIGNAL
WO2012128492 A2	THINKWARE SYSTEMS CORP [KR] et al.	ELECTRONIC DEVICE, SERVER, AND METHOD FOR PROVIDING TRAFFIC INFORMATION
WO2012131830 A1	PANASONIC CORP [JP] et al.	TERMINAL DEVICE
WO2012134542 A1	NAVMAN WIRELESS NORTH AMERICA LP [US], NAGDA PARESH L [US]	SYSTEMS AND METHODS FOR GENERATING AND USING MOVING VIOLATION ALERTS