Boletín VT

COCHE INTELIGENTE

3.er trimestre 2012   **11**

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:

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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
WO2012122508 A2	REGENTS BOARD OF [US] et al.	NETWORK ROUTING SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT
WO2012119255 A1	INTELLIGENT IMAGING SYSTEMS INC [CA] et al.	VEHICLE TRAFFIC AND VEHICLE RELATED TRANSACTION CONTROL SYSTEM
WO2012116982 A1	ECOLE POLYTECH [FR] et al.	METHOD OF REGULATING TRAFFIC ON A MAIN TRAFFIC ROUTE, SYSTEM AND COMPUTER PROGRAM PRODUCT CORRESPONDING THERETO
WO2012101845 A1	JAPAN POST TRANSP CO LTD [JP] et al.	OPERATION WORK REPORT SYSTEM
WO2012099135 A1	ZENRIN CO LTD [JP] et al.	REGULATION INFORMATION ANALYSIS SYSTEM
WO2012098651 A1	TOYOTA MOTOR CO LTD [JP] et al.	MOBILE INFORMATION TERMINAL, INFORMATION MANAGEMENT DEVICE, AND MOBILE INFORMATION TERMINAL INFORMATION MANAGEMENT SYSTEM
WO2012092609 A2	SENSYS NETWORKS INC [US]	WIRELESS AND WIRELINE SENSOR NODES, MICRO-RADAR, NETWORKS AND SYSTEMS
WO2012090235 A1	GEOTECHNOS S R L [IT] et al.	INTEGRATED METHOD AND SYSTEM FOR DETECTING AND ELABORATING ENVIRONMENTAL AND TERRESTRIAL DATA
WO2012081962 A1	MIMOS BERHAD [MY], HON HOCK WOON [MY]	WIDE AREA TRAFFIC PLANNING AND MONITORING SYSTEM AND METHOD OF PROVIDING THE SAME

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REDES VEHICULARES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2012118581 A1	CONTINENTAL AUTOMOTIVE SYSTEMS [US] et al.	ACTIVE TIRE CONTROLLER DEVICE
WO2012114194 A1	TOYOTA MOTOR CO LTD [JP], YASUDA TOSHIHIRO [JP]	DATA REWRITING SUPPORT SYSTEM AND DATA REWRITING SUPPORT METHOD FOR VEHICLE CONTROL APPARATUS
WO2012107546 A1	JAGUAR CARS [GB], TALBOT KEVIN [GB]	MOTOR VEHICLE AND METHOD OF CONTROLLING A MOTOR VEHICLE
WO2012104068 A1	PEIKER ACUSTIC GMBH & CO KG [DE] et al.	CONTROL DEVICE AND SYSTEMS EQUIPPED WITH A CONTROL DEVICE
WO2012097777 A1	CONTI TEMIC MICROELECTRONIC, FISCHER MARC [DE]	METHOD FOR DATA TRANSMISSION
WO2012095716 A1	TOYOTA MOTOR CO LTD [JP] et al.	TRAVEL SUPPORT APPARATUS
WO2012095715 A2	TOYOTA MOTOR CO LTD [JP] et al.	TRAVEL SUPPORT APPARATUS
WO2012092668 A1	650340 N B LTD [CA] et al.	SYSTEMS AND METHODS FOR EXTRACTION AND TELEMETRY OF VEHICLE OPERATIONAL DATA FROM AN INTERNAL AUTOMOTIVE NETWORK
WO2012085611 A1	TOYOTA MOTOR CO LTD [JP], SHIDA MITSUHISA [JP]	VEHICULAR DRIVING ASSIST APPARATUS, METHOD, AND VEHICLE
WO2012081208 A1	HONDA MOTOR CO LTD [JP], KOSHIZEN TAKAMASA [JP]	VEHICULAR DRIVING ASSIST DEVICE
WO2012076215 A1	BOSCH GMBH ROBERT [DE] et al.	METHOD AND DEVICE FOR INITIATING AN EMERGENCY OPERATING MODE OF A MOTOR VEHICLE

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GESTIÓN DE APARCAMIENTOS Y PEAJES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2012122579 A1	KAPSCH TRAFFICCOM AG [AT], NAGY OLIVER [AT]	DEVICE FOR MONITORING A VEHICLE PARKING PLACE
WO2012121290 A1	NEC CORP [JP], CHIHARA SHINPEI [JP]	CHARGE SERVICE SYSTEM, SERVER, AND CHARGE SERVICE METHOD
WO2012119305 A1	SHENZHEN GENVICT TECHNOLOGIES CO LTD [CN] et al.	SYSTEM AND METHOD FOR CHARGING AUTHENTICATION IN AN INTELLIGENT TRAFFIC SYSTEM
WO2012116874 A1	SHOCKFISH S A [CH] et al.	PROCESS AND SYSTEM FOR DETECTING A PARTICULAR STATE OF A SPECIFIC PARKING SPACE
WO2012116361 A1	PARK MOBILE USA INC [US], BOGAARD ALBERT [US]	PARKING ENFORCEMENT SYSTEM AND METHOD
WO2012112877 A1	AMTECH SYSTEMS LLC [US], GRAVELLE KELLY [US]	SYSTEM AND METHOD FOR GPS LANE AND TOLL DETERMINATION AND ASSET POSITION MATCHING
WO2012108763 A1	NEDAP NV [NL] et al.	METHOD FOR MAKING A PARKING ARRANGEMENT EQUIPPED WITH AN AUTOMATIC VEHICLE DETECTION SYSTEM READY FOR OPERATION, AND PARKING ARRANGEMENT FOR USE OF THE METHOD
WO2012094259 A2	WEIK MARTIN H [US], WAINWRIGHT CHARLES E [US]	GARAGE MANAGEMENT SYSTEM
WO2012085903 A1	MOBYDOM LTD [IL] et al.	METHOD, DEVICE, AND SYSTEM FOR SECURED ACCESS TO GATED AREAS
WO2012080942 A1	SPAGNOLO S R L [IT], SPAGNOLO BRUNO [IT]	CONTROL ARCHITECTURE AND METHOD FOR OCCUPANCY OF PARKING LOCATIONS BY VEHICLES
WO2012079106 A1	KAPSCH TRAFFICCOM AG [AT], TURNOCK RICHARD [CA]	ELECTRONIC TOLL COLLECTION TRANSPONDER ORIENTATION DEVICE AND METHOD
WO2012077086 A1	SHARON ELIYAHU [IL]	METHOD AND SYSTEM FOR PARKING SPACES RESERVATION
WO2012067477 A1	JIMENEZ GONZALEZ PEDRO [MX] et al.	SYSTEM FOR MANAGING SPACES, TIMES AND COLLECTION IN PASSENGER TRANSPORT TERMINALS

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NOTIFICACIÓN DE ACCIDENTES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2012118585 A1	CONTINENTAL AUTOMOTIVE SYSTEMS [US] et al.	SYSTEM FOR PROVIDING PROFILE INFORMATION
WO2012100826 A1	ERICSSON TELEFON AB L M [SE] et al.	RELAYING A PRIVATE EMERGENCY POINT TO A PUBLIC EMERGENCY POINT
WO2012089334 A2	STMICROELECTRONICS NV [CH] et al.	METHOD AND SYSTEM FOR CONTROLLING LOSS OF RELIABILITY OF NON-VOLATILE MEMORY
WO2012085324 A1	FRANCISCO JAVIER LOBATO RAPOSO [ES]	DEVICE AND METHOD FOR LOCATING VEHICLES IN EMERGENCY SITUATIONS, ESPECIALLY INTENDED FOR USE WITH MOTORCYCLES
WO2012078451 A1	JOHNSON CONTROLS TECH CO [US] et al.	BATTERY BACKUP SYSTEMS AND METHODS FOR VEHICLE PHONE SYSTEMS
WO2012077965 A2	3HVISION CO LTD [KR] et al.	SYSTEM AND METHOD FOR NOTIFYING AN OCCURRENCE OF VEHICLE ACCIDENT
WO2012071054 A2	BCS BUSINESS CONSULTING SERVICES PTE LTD [SG] et al.	HAZARD WARNING SYSTEM FOR VEHICLES

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OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2012122463 A1	AGCO CORP [US] et al.	REMOTE MACHINE QUERY AND CONTROL USING TELEMETRY UNIT AND OTHER SENSORS
WO2012118763 A2	RANGER COMM INC [US], MARTIN DANIEL A [AR]	SYSTEM AND METHOD FOR DISPATCHING VEHICLES IN A FLEET
WO2012116165 A1	GLOBAL TRAFFIC TECHNOLOGIES LLC [US]	SYSTEMS AND METHOD FOR CONTROLLING PREEMPTION OF A TRAFFIC SIGNAL
WO2012115145 A1	LUNA CO LTD [JP] et al.	MOVEMENT INFORMATION PROCESSING DEVICE, MOVEMENT INFORMATION DISPLAY DEVICE, MOVEMENT INFORMATION DISPLAY METHOD, AND MOVEMENT INFORMATION MANAGEMENT SYSTEM
WO2012112287 A1	CONTINENTAL AUTOMOTIVE SYSTEMS [US], SNIDER JAMES [US]	SYSTEMS AND METHODS FOR USING TWO OR MORE SUBSCRIBER IDENTIFICATION MODULE CARDS IN TELEMATICS APPLICATIONS
WO2012110654 A1	HELLA KGAA HUECK & CO [DE] et al.	METHOD FOR EVALUATING A PLURALITY OF TIME-OFFSET PICTURES, DEVICE FOR EVALUATING PICTURES, AND MONITORING SYSTEM
WO2012109742 A2	650340 N B LTD [CA] et al.	SYSTEMS AND METHODS FOR EXTRACTION OF VEHICLE OPERATIONAL DATA AND SHARING DATA WITH AUTHORIZED COMPUTER NETWORKS
WO2012107329 A1	BAYERISCHE MOTOREN WERKE AG [DE], ABO EL-FOTOUH MOHAMED [DE]	COMMUNICATION BETWEEN A VEHICLE AND A CENTRAL UNIT
WO2012105544 A1	NEC CORP [JP], FUKUBAYASHI YUICHIRO [JP]	DEVICE FOR ASSISTING IN PLANNING OF CHARGER PLACEMENT, METHOD FOR ASSISTING IN PLANNING OF CHARGER PLACEMENT, AND PROGRAM
WO2012104720 A1	TOYOTA MOTOR CO LTD [JP], SATO KUNIHITO [JP]	TRAFFIC CONGESTION DETECTION APPARATUS AND VEHICLE CONTROL APPARATUS
WO2012104229 A1	SITA INFORMATION NETWORKING COMPUTING UK LTD [GB] et al.	IMPROVED INVENTORY SYSTEM AND METHOD THEREFOR
WO2012103308 A1	TELCORDIA TECH INC [US] et al.	ARCHITECTURE AND METHOD FOR REALISTIC VEHICULAR NETWORKING AND APPLICATIONS VISUALIZATION
WO2012103306 A2	BERKELEY TELEMATICS INC [US] et al.	DETERMINING COST FOR AUTO INSURANCE
WO2012102471 A2	CS CORP [KR] et al.	APPARATUS AND METHOD FOR MANAGING A DEVICE IN A DEVICE MANAGEMENT SYSTEM
WO2012096063 A1	MITSUBISHI HEAVY IND LTD [JP] et al.	TRAFFIC-FLOW SIMULATION APPARATUS, TRAFFIC-FLOW SIMULATION PROGRAM, AND TRAFFIC-FLOW SIMULATION METHOD
WO2012092592 A1	AGCO CORP [US] et al.	AUTOMATIC DETECTION OF MACHINE STATUS FOR FLEET MANAGEMENT
WO2012072717 A1	PHOENIX GRUPPEN AS [NO], ALVERN STEIN [GB]	TRAFFIC GUIDANCE SYSTEM FOR A VEHICLE SERVICE STATION

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