Boletín VT

SERVICIOS E INTERFACES AVANZADOS MÓVILES

2º trimestre 2010

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Vigilancia Tecnológica

Las nuevas tecnologías de comunicaciones móviles están constituyendo un pilar fundamental en el desarrollo de la nueva Sociedad de la Información y del Conocimiento, ofreciendo, a través de potentes terminales portátiles inalámbricos, un acceso cómodo, instantáneo y seguro a multitud de servicios y contenidos de gran interés tanto para empresas como para individuos en particular.

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 de comunicaciones móviles, en relación con algunos de los aspectos que mayor incidencia tienen sobre el usuario final, tal como son las nuevas interfaces de operación de dispositivos móviles (pantallas táctiles, menús intuitivos, control por voz, teclados integrados), o los

nuevos servicios avanzados relativos a la comunicación e integración de redes sociales, los servicios de pago electrónico mediante dispositivos móviles, los servicios que se prestan en función de la posición y localización de los usuarios o los servicios de difusión de televisión hacia terminales móviles.

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.

INTERFACES MÓVILES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010065762　　A2	FISHER CONTROLS INT LLC	Portable communicator e.g. smartphone for use in process control system comprises processor, computer-readable memory, touchscreen and software application with user interface that includes input field scrollable via grab-and-drag mechanism
WO2010063879　　A1	NOKIA CORP	Electronic device e.g. portable digital assistant, for displaying window over selectable home screen, has user interface selecting selectable home screen and closing window based on selection of selectable home screen
WO2010056417　　A1	MOTOROLA INC	Wireless communication device for, e.g. ambulance, identifies individual controls by local tactile identifiers to orient user's hand and fingers by affordances to determine sequential task flow for preset mission critical tasks
WO2010055424　　A1	SONY ERICSSON MOBILE COMMUNICATIONS AB	Electronic device operating method, involves selecting one operations responsive to detecting contact between finger and user interface and non-contact proximity of another finger to user interface, and performing selected operation
WO2010049790　　A1	NOKIA CORP	Method for providing adaptive gesture analysis in visual interaction system, involves recognizing gesture features of target to enable initiation of user interface command based on recognized gesture
WO2010049877　　A1	NOKIA CORP NOKIA INC	Method for facilitating interaction with touch screen apparatus e.g. mobile terminal, involves switching from default mode to hover mode of interaction with graphical user interface based on trigger touch interaction
WO2010048519　　A2	MICROSOFT CORP RIEDMAN J D HOLMES K W KIM S C KRUZENISKI M J	Mobile communication device e.g. wireless phone has user interface with several portions that are selectable through touch screen functionality to cause input of respective one of emoticons
WO2010044579　　A2	LG ELECTRONICS INC WYKES D H	Display device's three-dimensional user interface controlling method for e.g. mobile terminal, involves detecting user's gesture on one of widgets using three-dimensional multi-sensor selected widget, and modifying depth of widget
WO2010040208　　A1	RES IN MOTION LTD WYKES D H	Secondary character rendering and entry performing method for e.g. portable electronic device, involves rendering secondary character associated with secondary virtual input key on display in response to detection of secondary touch event
WO2010040211　　A1	RES IN MOTION LTD WYKES D H	Method of controlling portable electronic device, involves selecting text from one location of touch event on touch screen display to other location of touch event, during actuation of switch caused by movement of display
WO2010040201　　A1	RES IN MOTION LTD GRIFFIN J T LAZERIDIS M MAJOR H R WOOD T YACH D P	Image displaying method for e.g. electronic device, involves panning image in response to movement of selection tool along touch-sensitive display, and zooming image in response to depression of touch-sensitive display
WO2010041826　　A2	SAMSUNG ELECTRONICS CO LTD YACH D P	Content e.g. music, lists managing method for e.g. mobile phone, involves expanding/contracting structure of entire list according to identified gesture and displaying altered structure of entire list on touch screen
WO2010040216　　A1	RES IN MOTION LTD	Control method for portable electronic device involves selecting selectable features located in area having boundaries defined by first and second locations upon detecting second touch event after detection of first touch event

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WO2010040207 A1	RES IN MOTION LTD	Control method for portable electronic device involves rendering navigation indicator if touch event is detected at first location of touch screen display, and selecting first feature if confirmation of selection is received
WO2010039350 A2	APPLE INC BERNSTEIN J T	Computer-implemented on-screen object moving method for e.g. computing device, involves determining movement of touch area corresponding to movement of finger contact, and moving object in accordance with determined movement of area selection is received
WO2010035105 A1	NOKIA CORP	Contact widget displaying apparatus e.g. electronic device, has processor to determine last update time for contact widget in real time, and user interface to display contact widget based on last update time
WO2010033718 A2	GOOGLE INC CHEN C L RAMAN T V	Computer-implemented user interface method e.g. for mobile smart phone, involves inputting character onto touch screen based on direction of each key relative to center of telephone keypad
WO2010032079 A2	NOKIA CORP NOKIA INC	Object's additional information presenting method for user interface i.e. augmented reality user interface, involves selecting object based on availability of additional information, and displaying additional information
WO2010032268 A2	SAXENA A	Control system for graphical user interface, has processor that calculates position of object of graphical user interface based on change in sense data when no gesture from set of gestures is recognized

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SERVICIOS MÓVILES AVANZADOS

REDES SOCIALES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010063878 A1	NOKIA CORP	Method for providing user identity management in social services e.g. online multiplayer-game service, involves providing user guidance about user's behavior based upon user behavior model
WO2010061039 A1	NOKIA CORP	Context aware query providing method for e.g. mobile terminal, of communication system in mobile environment, involves providing answer to originating node based on result parameters associated with originating node
WO2010059129 A1	CREATIVE TECHNOLOGY LTD	System for facilitating user communication from location e.g. fixed public wireless fidelity hotspot, has control interface that controls camera view by switching videos displayed in display between videos of location captured by cameras
WO2010049580 A1	NOKIA CORP	Synchronized navigation provision method for use in mobile environments involves providing for concurrent display of information related to space dimension on background layer and information related to linear dimension on foreground layer

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PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010045056 A1	SYMBOL TECHNOLOGIES INC FAGIOLI J O PERERA W J	Automatic data capture terminal i.e. cellular telephone, has microprocessor connected to sensor for actuating data capture mode based on orientation signal, and for actuating another data capture mode based on another orientation signal
WO2010043974 A1	RICHARD C	Secure contactless payment transaction system e.g. near field communication (NFC) token system used in cellular phones, transmits authentication signal to reader if transaction authentication data matches verification data
WO2010042560 A2	KHAN M KUMAR P VIVOTECH INC	Method for transferring over-the-air virtual card e.g. credit card, between near field communications enabled mobile devices i.e. NFC enabled mobile phone, involves providing virtual card to mobile device via interface
WO2010033967 A1	VISA INT SERVICE ASSOC	Mobile payment device e.g. mobile phone for commercial payment transactions, verifies validity of authentication data and validity of identification data, and provides user with access to payment application, when both data are valid
WO2010032215 A4	LOGOMOTION SRO	Electronic payment applications system for contactless authorization of payment, has mobile phone with removable memory card having physically separate secure elements connected to virtual point of sale terminal's managing unit

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BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010065915 A1	APISPHERE INC	System for dynamically transmitting generated content based on location of object such as car, has process execution module that executes process corresponding to location of car and transmits determined content to destination
WO2010064114 A1	NOKIA CORP	Information list e.g. audio identification, generating apparatus for e.g. electronic device, has processor generating information list based on group and transmitting information list to electronic device over Internet
WO2010064120 A1	NOKIA CORP	Information displaying method for e.g. electronic device, involves obtaining data based on action e.g. changing geographic location, of users related to consumed media, and displaying indicator associated with data
WO2010065279 A1	PARKER L A	Location based service providing system for mobile device, has location-based services application development software platform provided in communication with mobile device for receiving data
WO2010053415 A1	TELEFONAKTIEBO LAGET ERICSSON L M	Providing method for location information associated with first user terminal to second user terminal involves transmitting determined absolute geographical coordinates corresponding to first user terminal location to second user terminal
WO2010048315 A2	ENFORA INC	Mobile tracking device e.g. global positioning system tracking device, provisioning system, has provisioning server instructing tracking device to be configured based on update through attention commands
WO2010050851 A1	TELEFONAKTIEBO LAGET ERICSSON L M	User equipment's i.e. mobile phone, location evaluating method for service enabling communication system, involves providing location evaluation response based on determination whether location of user equipment partly overlaps zone
WO2010049579 A1	NOKIA CORP	Expedited multidirectional navigation providing method for accessing information located outside viewable area of display in e.g. mobile terminal, involves providing navigation of content item based on information associated with object
WO2010043255 A1	ZUERRER A	Mobile multimedia device for use as e.g. fair guide, to transmit e.g. image related to historical building, has filter module selecting pattern-specific display data, where location-specific data are modified based on pattern-specific data
WO2010041778 A1	JUNG H	Location specific information i.e. content, respective branch on advertisement plate, management system for use in advertisement field, has information provider computer allowing provider to post location specific information on server
WO2010044911 A1	SONY ERICSSON MOBILE COMMUNICATION S AB	Location based applications e.g. contact lists, activating method for e.g. cellular phone, involves triggering activation of application in response to determining step based on location of mobile communication device
WO2010044914 A2	SONY ERICSSON MOBILE COMMUNICATION S AB	Mobile device, has controller sorting tagged contents selectively based upon function of creation location information and specific location of device such that tagged content is displayed in two-dimensional map arrangement
WO2010044837 A1	GEHRKE T KASAD F TELECOM SYSTEMS INC WANG C	Location based proximity alert services providing method for location based proximity alert physical server, involves generating electronic mail message when current location is within prohibited geographic area

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TELEVISIÓN MÓVIL

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010066082 A1	ALCATEL LUCENT ALCATEL SHANGHAI BELL CO LTD	Method for performing handover between mobile TV networks, involves triggering mobile TV terminal to send handover request and switching to current network to continue receiving and playing of service
WO2010051834 A1	TELEFONAKTIEBOLA GET ERICSSON L M	Method of determining quality value of video stream transmitted to media player, involves estimating distance between each one of lost data packets and next respective, subsequent intra coded frame having maintained image quality
WO2010043269 A1	TELEFONAKTIEBOLA GET ERICSSON L M	Method for sharing information relating to e.g. internet protocol TV transmission, involves generating multimedia messaging service message, and sending multimedia messaging service message to target device e.g. personal computer

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Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010062402 A1	GLOBAL MARKET DEV INC MAZZEO A W	Foldable rugged, ergonomically-designed integrated telecommunications handset for wireless and wireline applications has arrays of parallel grasping ribs that provide tactile grasping surface for user in open and closed position of handset
WO2010063734 A1	CVON INNOVATIONS LTD	Multimedia messaging services messages delivery controlling method for e.g. internet, involves creating trigger for selection of recipients form multimedia messaging services messages comprising content
WO2010064124 A1	NOKIA CORP	Electronic device for e.g. receiving electronic-mail, has processor illuminating indicators on interactive area and opening program associated with received communication, and biometric reader utilizing finger print for authentication
WO2010063872 A1	NOKIA CORP KOSKIMIES O	Method for employing form engine as script engine for e.g. mobile telephone, involves adopting form engine by providing reduced user interface portion that does not create user interface components
WO2010058266 A2	TOYOTA JIDOSHA KK	Position measurement apparatus for mobile unit for global navigation satellite system, has observation data selection unit selecting pieces of observation data provided by signals from satellites that correspond to estimated error values
WO2010055200 A1	NOKIA CORP	Data transmission and reception method used with electronic device operating in different generation communication protocols involves displaying previously and currently transmitted data associated with contact in common share area
WO2010055399 A1	NOKIA CORP UNIV STANFORD	Method for representing and identifying feature descriptors of image captured by e.g. mobile telephone, involves compressing feature descriptors indicating representation of distribution of gradients between bins of image cells
WO2010058061 A1	NOKIA CORP	Media item privacy settings determining method for e.g. laptop computer, involves identifying privacy context corresponding to media item capture data, and determining privacy setting for media item based on corresponding privacy context
WO2010053839 A1	TELCOM VENTURES LLC	Wireless/non-wireless communication modes adaptive enablement providing method for e.g. smart phone in building, involves avoiding involvement of entity in providing communication service to wireless communication devices
WO2010053927 A1	TELENAV INC	Navigation system e.g. global positioning service navigation system, operating method for car, involves calculating navigation routing parameter with driver profile, and sending parameter for displaying on multimedia display interface and closed position of handset
WO2010048430 A2	FWIX INC	Method for identifying trends in web feeds from content servers, for presenting trends to client device, involves analyzing candidate phrase, to determine whether the phrase meets threshold value to qualify as potential trended phrase
WO2010044618 A2	LG ELECTRONICS INC	Method for updating location of mobile station in idle mode, involves performing location update to initial femto base station (BS) if identifier of femto BS is identical to one of identifiers included in femto BS list information
WO2010047921 A2	YAHOO INC LO P SAMPLE N	Resources managing apparatus for e.g. mobile computing device, has processor transforming retrieved resource into resource set that is accessed to requestor and providing access to resource for requestor
WO2010041781 A1	JUNG H	Asset managing method for station building, involves highlighting existing position on entire drawing that indicates space via terminal when reader reads tag and displays information of assets clearly via terminal by asset server
WO2010043954 A1	NOKIA CORP FAN L PYLVANAINEN T	Pattern detecting method for performing high dimensional fundamental matrix estimation in three-dimensional point cloud reconstruction application, involves selecting one of models and utilizing model for inserting data
WO2010035236 A1	NXP BV	Portable device e.g. transponder for managing access rights to object of e.g. Java, reuses information concerning access rights of object in memory management unit, if access to same object is requested again

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WO2010039558 **A1**	QUALCOMM INC	Mobile device's position detecting method for e.g. wireless communication system, involves transmitting highly detectable pilot to portion of data symbol, and receiving instruction from wireless communication network to data symbol
WO2010030415 **A1**	SONY ERICSSON MOBILE COMMUNICATIONS AB	Operating method for mobile communication device involves configuring mobile communication device for connection to wireless local area network (WLAN) in accordance with automatically collected information for connecting to WLAN
WO2010036605 **A1**	SEVERSON J	System for tracking interaction between human and digital media on e.g. video game console, updates information regarding user's activity history for cognitive task, in response to receipt of user behavior information application

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