Boletín VT

SERVICIOS E INTERFACES AVANZADOS MÓVILES

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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:

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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.

INTERFACES MÓVILES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010013876 A1	SAMSUNG ELECTRONICS CO LTD	Portable electronic apparatus e.g. MPEG audio layer-3 (MP3) player controls display unit to display data related to displayed object such as menu, icon based on whether displayed object is approached or touched by user's hand
WO2010005185 A3	SAMSUNG ELECTRONICS CO LTD	Usage method of user interface for portable handheld device, involves identifying gripping fingers, when standard hand grip is sensed, and executing perceived command, based on determination result of operation of identified fingers
WO2009151752 A1	APPLE INC GOOSSENS T MOHA A ROBINET F YAMASANI A	Computer-implemented three-dimensional objects manipulating method for e.g. mobile telephone, in e.g. game application, involves displaying animated transition in three-dimensional virtual space on touch screen display
WO2010022435 A1	BAKER P L	One-handed keyboard for handheld computer device has keys representing infrequently used consonants of alphabet arranged in positions remote from keys representing vowels in relational order around keys representing vowels
WO2010016065 A1	MOONSUN IO LTD	Entering method of character into computing unit e.g. cellular phone, remote control, electric book involves automatically selecting character according to identified combination of shape and relative position of captured stroke
WO2010016717 A2	JEONG B PARK B PARK B J	User input device for computer system, has touch-screen pad utilized with finger or stylus pen, selection key selecting touch pad input mode, and audio input and output modules for inputting and outputting voice signal
WO2010013147 A1	SONY ERICSSON MOBILE COMMUNICATIONS AB	Method for operating portable devices such as mobile device, involves determining orientation of device and movement of device and determining operation corresponding to movement and interacting with content
WO2010013974 A2	SAMSUNG ELECTRONICS CO LTD	User interface method for performing e.g. function in handy terminal, involves performing function associated with combination of specific pattern and command, when received specific pattern and command are valid pattern and valid command
WO2010009157 A1	IMMERSION CORP	Physics-based tactile messaging method for use in messaging systems, involves generating haptic signal configured to cause an actuator to output haptic effect
WO2010000916 A1	NOKIA CORP	User interface providing method for e.g. headset, involves providing application identification signal, and detecting command to execute function related to active application or to open next application
WO2009158208 A1	SYMBOL TECHNOLOGIES INC	Control and navigation method for shortcut operation on e.g. hand-held mobile phone implementing contact touch screen, involves calculating elapsed time between input and release of input from screen, and activating function based on time
WO2009153391 A1	NOKIA CORP	Manipulating apparatus for controlling e.g. cellular telephone using dual side input devices has processor that takes action with respect to adjustable feature based on relative amounts of pressure associated with tactile inputs
WO2009155204 A4	MOTOROLA INC	Mobile device i.e. cellular phone, for use in teleconferencing situations in which user is present at e.g. office, has processor changing substitute background based on sensed movement of mobile device

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Nº PUBLICACIÓN		SOLICITANTE	CONTENIDO TÉCNICO
WO2009155071	A2	GOOGLE INC BLISS A CLERON M A CONWAY D P	Computer-implemented visual navigation providing method, involves displaying image data to user of mobile device, and panning image within image space automatically in response to user motion of wireless mobile device
WO2010001326	A1	NOKIA CORP	Portable apparatus e.g. mobile phone has processor that detects presence of actuation unit proximate interactive component such as button of user interface element on touch screen for displaying the displayable component

...ver más

SERVICIOS MÓVILES AVANZADOS

REDES SOCIALES

Nº PUBLICACIÓN		SOLICITANTE	CONTENIDO TÉCNICO
WO2010006062	A1	LOOPT INC	Method for providing location-based social networking service for user of e.g. mobile telephone, involves displaying map including location and information about point of interest on specific communication device
WO2010033385	A2	QUALCOMM INC	Information e.g. contact information, displaying method, for communications device, involves displaying visual representation of objects to user based on whether relation degrees in social, temporal and spatial dimensions satisfy parameters
WO2010000920	A1	NOKIA CORP	Content recording, storing and uploading automation providing method for personal digital assistant style device, involves automatically uploading content to target device when content sharing module in device is active
WO2010017560	A3	BETTIS S R MINAAR A MORAES I M MOVIUS INTERACTIVE CORP	Messaging system for providing community messaging service to subscriber without personal landline service, involves providing message storage, retrieval and billing services to subscriber by provisioning network accessed by server

...ver más

PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN		SOLICITANTE	CONTENIDO TÉCNICO
WO2010019908	A2	DIAMOND S VISA USA INC	Wireless mobile communication apparatus for conducting wireless transaction with merchants includes computing device rendering, on display, the display of currency remaining balance in account as encoded in memory of data bearing card
WO2010014143	A3	SYBASE INC	Method of interfacing user device e.g. cellular phone to transaction system e.g. mobile banking system, involves calling function on financial system to perform transaction after authenticating user device
WO2010011670	A2	FIRST DATA CORP	Mobile payment adoption by adding dedicated payment button to mobile device form factors method for processing transaction with mobile device by processing transaction in response to selection signal received on mobile device

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Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010019620 A1	ARORA A KURTEK E PHILLIPS S SWART J OP M VISA USA INC	Method for providing testing protocols for extended-functionality payment cards used in contactless consumer portable transaction payment device (CCPTPD), involves performing and outputting electrical measurement of batteries
WO2010027752 A2	VISA USA INC	Mobile payment device for financial transaction system, has processing module that retrieves credit image data from memory or contactless payment module based on execution of credit payment transaction
WO2009151401 A1	NETWORK ELECTRONIC TRANSFERS SINGAPORE DICKINSON P A	Coupon redemption system used in mobile telecommunication system e.g. mobile phone, has point of sale terminal that receives coupon redemption message transmitted by mobile device through radio frequency communication protocol

BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010020493 A1	SIEMENS AG	System for displaying e.g. arrival information for bus in waiting room of bus stop, has display medium e.g. electronic display board, for displaying dynamically changing information that is output at output medium in real time
WO2010027179 A2	LG ELECTRONICS INC	Method for determining location of mobile station to initiate location based service, by determining location according to information in report received from at least one assisting station and signal received from mobile station.
WO2009151925 A2	QUALCOMM INC LEWIS R C MEHTA C	User profile e.g. user age range profile, generation method, involves identifying visited locations in location history, sorting visited locations by dwell-time and generating user profile based on sorted visited locations
WO2010033499 A2	PALM INC	Mobile electronic device e.g. smartphone, has processing circuit e.g. microprocessor, controlling action taken by application in response to user input based on orientation information and location information
WO2010030126 A2	SAMSUNG ELECTRONICS CO LTD	Location-based call forwarding service providing apparatus for mobile phone in internet protocol multimedia sub-system, has call forwarding server converting called signal to one of called user terminals on called target terminal list
WO2010028278 A2	POWERWAVE COGNITION INC	Computer program product for operating mobile ad-hoc network, has set of instructions for providing geo-location coding of nodes in network, and facilitating location-based service by using geo-location of nodes in environment
WO2010020887 A1	SONY ERICSSON COMMUNICATIONS AB SONY ERICSSON MOBILE COMMUNICATIONS AB	Global positioning system (GPS) navigation unit for mobile phone, has user interface module that presents stored position mode to place navigation unit and outputs stored position of navigation unit to mobile terminal
WO2009155999 A1	TOMTOM INT BV	Portable navigation apparatus e.g. portable digital assistant, for use in e.g. vehicle, has user interface having view generation engine that generates view identifying point of interest in response to point of interest being found
WO2009154927 A2	YAHOO INC	Content information determining method, involves providing determined content to output component, indicating distance from initial geographic position to content position, and indicating content location relative to new direction
WO2009156562 A1	NOKIA CORP	Mobile terminal i.e. mobile telephone, location sharing method, involves associating device with point of interest, and sharing name of point of interest based on location described by information within graphical cell boundaries

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TELEVISIÓN MÓVIL

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO

WO2010030737 A1	QUALCOMM INC	Viewer interactivity enabling method for mobile TV broadcast system, involves receiving request for viewer data from mobile device, where received viewer data is transmitted to mobile device
WO2010017402 A3	QUALCOMM INC	Dynamic pricing method for e.g. mobile device, involves transmitting decryption key information to mobile device via unicast network to enable mobile device to access broadcast program, if dynamic price offer is determined to be acceptable
WO2010000932 A1	NOKIA CORP	Content recording, storing and uploading automation providing method for personal digital assistant style device, involves automatically uploading content to target device when content sharing module in device is active
WO2010027568 A3	MOTOROLA INC	System for recommending content item e.g. television program, has coordination processor that modifies recommendation characteristics in response to availability characteristics for set of content items
WO2010009768 A1	TELEFONAKTIEBOLA GET ERICSSON L M	Method for thinning stream of packet-switched video data for mobile TV service, involves dropping selected packet, if size of preceding packet is smaller than predetermined threshold
WO2010003014 A1	TELENAV INC	Operation method of general purpose mobile location-blogging system, involves displaying location-blog entry parameter managed with location-blog request, which is selected with multimedia display interface of client

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Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010031046 A2	MICROSOFT CORP	Method for enabling communications between instant message user and short message service user, involves routing message to mobile device associated with destination mobile device number
WO2010028402 A1	QUALCOMM INC	Multi-panel electronic device e.g. cellular telephone, has sensors detecting relative orientation of panels, and processor adjusting user interface displayed at three display surfaces based on detected device configuration
WO2010029414 A1	NOKIA CORP	Data transferring apparatus for updating e.g. application, in electronic device during voice call, has processor activating transfer of data based on mobile communication and transferring data, which is not associated with communication
WO2010027953 A1	APPLE INC	Method for providing multi-tiered voice feedback to user of electronic device, involves determining tiers associated with display of each identified element, and providing voice feedback for identified element in order of determined tiers
WO2010027925 A1	QUALCOMM INC	Method for wirelessly acquiring media content from local storage of e.g. portable media player, involves requesting and receiving portion of media content from communication channel, and reporting receipt of portion of content to controller
WO2010023026 A1	ALCATEL LUCENT	Method of migrating video session between fixed multimedia device e.g. TV screen and mobile multimedia device e.g. personal digital assistant (PDA), involves transferring video parameter of fixed device to mobile device using server
WO2010020261 A1	TELEFONAKTIEBOLA GET ERICSSON L M	Network component for mobile network e.g. global system for mobile communication network, has switching control node with interface with respect to emergency answering point to handle emergency sessions established from user equipment medium in real time
WO2010021834 A2	INTEL CORP BOOTH C J JOHNSTON B D PAYNE M J	Communication system e.g. wired or wireless communication system for electronic device e.g. personal computer (PC) has connected device that causes display of associated content overlayed on main content via user interface on display device
WO2010018104 A1	NOKIA SIEMENS NETWORKS OY	Downscaling of system bandwidth of wireless communication system, by fitting larger second bandwidth to smaller first bandwidth by blanking physical resource blocks at one or both edges of second bandwidth
WO2010016989 A3	YAHOO INC	Network device for managing search query over network e.g. wireless local area network, has processor performing searches within selected subset of databases, aggregating search results and providing results for display at mobile device
WO2010017038 A2	RINGCENTRAL INC	Telecommunication service e.g. instant messaging service, providing method for e.g. mobile device, involves receiving inbound call from remote device, and establishing communication with remote device responding to inbound call
WO2010015005 A2	GUDIHALA S LIU M VIJAYSHANKAR R VIVOTECH INC	Method for storing and redeeming electronic certificate e.g. coupon, involves storing tag data on card which is inductively powered using electromagnetic field generated by wireless smart device reader
WO2010009266 A1	QUALCOMM INC	Prepaid server-arbitrated group communication session managing method for e.g. code division multiple access 2000 system, involves initiating setup of requested prepaid group communication session without waiting to receive query response
WO2010009265 A1	QUALCOMM INC	Method for switching between server-arbitrated group communication sessions at access terminal of wireless communication system, involves selectively switching from current session to new session based on priority levels
WO2010008388 A1	NOKIA CORP	Temporal information providing method for enabling communication devices to access temporal information by receiving response to request prior to either or both authentication of device or association of device with access point

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WO2010002442 A1	THOMSON LICENSING	Electronic service guide (ESG) method for communications systems e.g. digital television broadcast systems involves using stored service acquisition data for active service to present active service to user
WO2009155951 A1	NOKIA CORP	Hinge apparatus for portable electronic device has hinge mechanism which pushes first or second member of device to remove lateral displacement when device is pushed from partially open configuration
WO2009155167 A1	QUALCOMM INC HORODEZKY S J	Voice call session status indicating method for cellular telephone, involves activating call active animation routine upon initiation of voice call session, and deactivating animation routine upon termination of voice call session
WO2010005668 A1	QUALCOMM INC HORODEZKY S J PALEVICH J H	Text field characteristics customizing method for mobile device i.e. cellular telephone, involves storing implementing data entry parameter each time when data is entered in selected text field of application executing on mobile device
WO2010005666 A2	QUALCOMM INC HORODEZKY S J SCOTT C SOI K A YAMASANI A	Soft key's function change indicating method for i.e. cellular telephone, involves determining whether change to soft key labels is required, and activating soft key animation routine when initiated application requires change to labels

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