Boletín VT

SERVICIOS E INTERFACES AVANZADOS MÓVILES

3.er trimestre 2010

3

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
WO2010088200　　A1	AMAZON TECHNOLOGIES INC　FRID M GHANTA R K HEBENSTREIT J J　KIM J T	Portable electronic book reader device has haptic feedback device that　provides haptic feedback in response to receipt of input to user　interface, at time less than display update time
WO2010086689　　A1	SONY ERICSSON MOBILE COMMUNICATIONS AB CHRONQVIST F A	Electronic device e.g. mobile telephone, for assisting user to compose　text for e.g. text message, has control circuit analyzing starting　text to establish branches of additional text from which user selects　text to add to starting text
WO2010084373　　A1	SONY ERICSSON MOBILE COMMUNICATIONS AB CALISKAN T OMEROVIC I	Electronic device for mobile communication system has touch input assembly with resistive sensor which receives user touch input to wake　up capacitive sensor from stand-by state of capacitive sensor that　detects user input
WO2010078597　　A1	CRAIG C M TACTUS TECHNOLOGY INC　YAIRI M B	User interface system for use in e.g. electronic device, has displacement device expanding two cavities concurrently to deform two　particular regions of surface defined by sheet, and touch sensor　sensing user touch proximate to regions
WO2010078596　　A1	CRAIG C M MICAH Y B TACTUS TECHNOLOGY INC	User interface system for use in e.g. electronic device, has layer and　substrate connected at attachment point, where location of point　relative to layer, substrate, and cavity partially defines shape of　deformed region of surface
WO2010078877　　A1	NOKIA CORP	Signal adaptation in response to orientation or movement for mobile electronic device, e.g., mobile phone involves adapting signal according to detected movement or orientation of mobile electronic device
WO2010077048　　A2	SAMSUNG ELECTRONICS CO LTD	Input system for e.g. mobile device, has physical user interface provided adjacent to touch zone of graphical user interface, and control unit accepting continuous contact occurring successively on interfaces as single gestural input
WO2010070193　　A1	NOKIA CORP	Electronic device for adding or deleting e.g. icon, based on movement,　has user interface detecting touches i.e. finger touches, and movement　from touches, and processor deleting or adding item based on movement
WO2010075084　　A2	APPLE INC	User interface tools generating method for e.g. mobile device, involves determining interaction supported by resource, generating toolbar based on interaction, and superimposing toolbar at position on　interface
WO2010072886　　A1	NOKIA CORP	Dynamic slider interface providing method, involves identifying selected functionality option based on detection of slider selection event on touch screen display, and providing sub-functionality option　on display based on selected option
WO2010076623　　A1	NOKIA CORP LIU Z　WANG H WANG K　YU K ZHAO F	Method for providing personalizable user interface e.g. touch screen of mobile terminal, involves initiating function related to stored graphic element
WO2010077796　　A1	MOTOROLA INC ZHAO F	User interacting method for single-touch screen of e.g. cellular telephone to navigate map displayed on screen, involves performing simulated multi-touch action on screen, and exiting screen from multi-touch state to single-touch state

Oficina Española de Patentes y Marcas
Unidad de Información Tecnológica
www.oepm.es

2

WO2010070420 A1	NOKIA CORP ZHAO F	Two portions rotating apparatus for e.g. electronic device, has two portions having user interface and input device, respectively, and rotatable mechanism moving portions over pivot axis to align portions in horizontal or vertical positions

SERVICIOS MÓVILES AVANZADOS

REDES SOCIALES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010094829 A1	NOKIA CORP	Shared mobile web service e.g. authentication service, for providing storage medium in wireless network environment, has set of instructions for selecting mobile server from community as secondary server to provide shared service
WO2010086494 A1	NOKIA CORP	Context-based contact information i.e. electronic business card, management method for use during meeting, involves associating receiver-based context information with contact information via processor of receiving device

...ver más

Oficina Española de Patentes y Marcas
Unidad de Información Tecnológica
www.oepm.es

4

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 A3	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

..ver más

Oficina Española de Patentes y Marcas
Unidad de Información Tecnológica
www.oepm.es

5

BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010104686 A2	MICROSOFT CORP	Portable electronic device for pointing based services has processor that processes position information to determine at least one identifier of at least one three-dimensional space associated with location of portable electronic device
WO2010094352 A1	SONY ERICSSON MOBILE COMMUNICATIONS AB	Information determining method for mobile communication device by determining position of second communication device, correlating movement information and ambient sound to particular event, and determining location of particular event
WO2010091716 A1	NOKIA CORP	Method for facilitating emergency location services continuity for voice call handover to target network in mobility management entity (MME), involves sending message containing indication of new serving entity to location server
WO2010093596 A1	SPRINT COMMUNICATIONS CO LP	Method for operating global positioning system satellite network to authenticate geographic location of e.g. wireless communication device in communication system, involves transferring location information to service node
WO2010090959 A2	ALCATEL LUCENT TECHNOLOGIES INC ALCATEL-LUCENT USA INC	Location based service data e.g. restaurant data, transmitting method, involves broadcasting location based service data from network node to receivers e.g. mobile phone, in network node zone based on portion of radio coverage area
WO2010086036 A2	SONY ERICSSON MOBILE COMMUNICATIONS AB	Mobile device i.e. car navigation equipment, for selectively providing location based content, has location based content section providing location based content to user of mobile device according to current location of mobile device
WO2010082835 A1	REALTIME NORWAY AS	System for displaying price and product related information for sales articles, has electronic display comprising near field communication chip for communication with handheld units, and wireless mesh network for internal communication
WO2010077006 A2	SAMSUNG ELECTRONICS CO LTD	Method for tagging location information about mobile device for location-based services in wireless communication system, involves transmitting service request message with tagged location information to application server
WO2010072369 A1	NOKIA CORP	Apparatus for providing location aware services e.g. global positioning system services to e.g. mobile telephone, has processing unit providing user selection criterion signaling to allow user to select differing types of location services
WO2010074870 A1	MOTOROLA INC	Location-based information providing method for e.g. cellular phone, involves annotating map of interest at locations corresponding to one or more geographic coordinates that lie within boundaries of map of interest

..ver más

Oficina Española de Patentes y Marcas
Unidad de Información Tecnológica
www.oepm.es

6

TELEVISIÓN MÓVIL

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010074959 A1	DISH NETWORK LLC	Method for presenting television program to viewer using mobile television receiver, involves facilitating an action, which allows viewer to continue viewing television program, before mobile receiver will exit signal source limited range
WO2010079929 A1	LG ELECTRONICS INC	Images processing apparatus e.g. digital broadcasting receiver for internet protocol TV, has encoder encoding one of still picture thumbnail and moving picture thumbnail with channel information to provide thumbnail data stream
WO2010069172 A1	ZTE CORP	Precise timing synchronization method for China mobile multimedia broadcasting (CMMB) mode mobile TV, involves performing phase compensation and selective combination of channel estimation value for frequency domain data

..ver más

Oficina Española de Patentes y Marcas
Unidad de Información Tecnológica
www.oepm.es

7

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010097691 A1	NOKIA CORP	Apparatus for providing device recovery assistance to communication device e.g. computer, enables device location reporting based on received verification procedure in response to determination that device is lost or stolen
WO2010097741 A1	NOKIA CORP	Method for automatically detecting and displaying objects in image displayed on mobile communication device, involves displaying object by resizing portion of image to make one of detected objects as focal point on image
WO2010091916 A1	GEMALTO SA	Events dating method for telecommunication terminal, such as mobile TV equipment used for broadcast audience monitoring involves generating date as being equal to maximum value between former time stamp and later time stamp
WO2010078455 A1	INTELLIGENT SPATIAL TECHNOLOGIES INC	Method for image searching and indexing for identifying image content in real world visual scene in mobile device, involves annotating digital image within image location with respect to object within limits of viewing content cone
WO2010079182 A1	VISA EURO LTD	Payment authorization requests processing method, for conducting payment transactions via e.g. Internet, involves transmitting payment request to acquiring bank systems responsible for processing payment authorizations
WO2010072779 A2	CVON INNOVATIONS LTD	Method for selecting message content from e.g. mobile terminal, involves delivering message contents associated content keyword to recipient as multimedia messaging system message and short messaging system message formats
WO2010069367 A1	TELEFONAKTIEB OLAGET ERICSSON L M	Method for adapting quantization parameter of digitally encoded video, involves applying change in quantization parameter (Qp) to picture of interest having decreased value of macroblocks in low macroblock activity category
WO2010068927 A1	QUALCOMM INC	Contextually relevant content obtaining method for e.g. cellular telephone, involves transmitting destination device identifying item, and receiving contextually relevant content items from contextual content server
WO2010067194 A1	NOKIA CORP	Predictive model providing method, involves determining scenario by evaluating environmental parameter, and generating graphic output corresponding to identified stroke event for determined scenario

Oficina Española de Patentes y Marcas
Unidad de Información Tecnológica
www.oepm.es

8