

Boletín VT

SERVICIOS E INTERFACES AVANZADOS MÓVILES

1.º trimestre 2011

5

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 más 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:

- Interfaces móviles
- Servicios móviles avanzados
 - Redes sociales
 - Pagos electrónicos mediante terminales móviles
 - Basados en la localización
 - Televisión móvil
- Otras referencias

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
----------------	-------------	-------------------

WO2011035066 A1	GOOGLE INC	User interface method for recognizing gesture on computing device e.g. mobile phone, involves correlating user input to template by employing closed-form solution to find rotation to reduce angular distance between input and template
WO2011031575 A2	IMMERSION CORP BIRNBAUM D FLEMING J ULLRICH C VACHON C	Method for providing haptically-enhanced user interface for mobile phone, involves identifying haptic effect from potential haptic effects based on confidence levels associated with each text entry suggestion
WO2011028944 A1	AMAZON TECHNOLOGIES INC GREEN C HEBENSTREIT J J KELLER K E KIM J T	Method of generating user interface of touch-screen display of handheld electronic book reader device, involves initiating operation based on amount of pressure applied by object to display or duration of contact of object with display
WO2011025642 A1	QUALCOMM INC HORODEZKY S J TSOI K A	Method for providing user interface gesture function on computing device e.g. cellular telephones, involves activating function associated with tickle gesture when it is determined that touch path event is tickle gesture
WO2011025619 A1	MOTOROLA INC MOTOROLA MOBILITY INC	Touch screen display apparatus e.g. portable communication device, has touch screen display module that displays alternate input item based on proximity information while displaying predicted primary input item
WO2011022152 A2	MOTOROLA INC MOTOROLA MOBILITY INC	Electronic device with tactile user interface has processor which determines input signal based on difference between output signals which are generated in response to touch input on pliable surface of touch input device
WO2011019154 A2	LG ELECTRONICS	Automatic control device for electronic device e.g. TV, has control unit that controls or displays virtual image according to received user input
WO2011007262 A1	SONY ERICSSON MOBILE COMMUNICATIONS	Processing method for audio recognition during voice sessions, involves updating user interface by mobile device in response to detected change in context relating to change in functionality of user interface
WO2011011552 A1	IMMERSION CORP	Haptic effects providing system for user of multi-user application in mobile device, has processors determining haptic effects that convey information to user related to control input of another user to computing platform
WO2011011185 A1	MOTOROLA INC MOTOROLA MOBILITY INC	Graphical user interface element manipulating method e.g. for mobile phone, involves selecting one element based on touch contact on one side of electronic device, and manipulating other elements based on slide contact on other side
WO2011003113 A1	CIESLA C M SAAL N M TACTUS TECHNOLOGY YAIRI M B	User interface enhancement system for touch interface device e.g. mobile phone, has heater that influences volume of fluid to expand and retract portion of fluid vessel, so that particular region of surface is deformed
WO2011003631 A2	SONY ERICSSON MOBILE COMMUNICATIONS	Display apparatus for mobile device has pressure sensing device which senses fluid pressure in cavity formed by arranging second layer on one side of first layer made partly of transparent material
WO2011002414 A2	RAZER ASIA- PACIFIC PTE LTD	Touch screen user interface method for electronic device, involves determining magnification factor, field of view size and size of resultant magnified field of view for magnification event in correlation with parameters of input event

WO2010144726 A1	QUALCOMM INC HORODEZKY S J TSOI K A	Method for providing zoom function on computing device e.g. personal computer, involves generating image on display using zoom scaling factor calculated based on determined length of path event
WO2010144760 A1	MOTOROLA INC MOTOROLA MOBILITY INC	System for improving touch screen data entry accuracy in computing device, has data-entry enhancing touch screen surface that includes deviation which is spatially aligned with predefined input area of graphical user interface

[...ver más](#)

SERVICIOS MÓVILES AVANZADOS

REDES SOCIALES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
----------------	-------------	-------------------

WO2011029986 A1	NOKIA CORP	Method for selective sharing of semantic information sets in smart space operable across platforms, involves merging projection of selected semantic information sets into shared information space as response to request
WO2011003170 A1	DUNGOLDEN GROUP INC	Mobile social networking method for providing localized and remote profile based configuration of mobile devices associated with user involves establishing rating if permission has been granted from another wireless device

[...ver más](#)

PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2011029062 A2	IPS GROUP INC	Meter device i.e. parking meter, has controller receiving indication of additional time being paid for parking session, and controlling display to update displayed time remaining to reflect additional time
WO2011006142 A1	CUBIC CORP	Near-field communication-enabled mobile device enabling method for use in transit system, involves associating transaction for passage at access control point with identification code, and reconciling value of transaction with source
WO2010138038 A1	TELEFONAKTIEBOLA GET ERICSSON L M	Risk tag detector server for e.g. ticketing application service, has fault detector to determine candidate tag to be risk tag when condition is satisfied, which includes criterion that event data indicates absence of candidate tag usage
WO2010140971 A1	ACCUMULATE AB	Method for securing transactions e.g. buying bus tickets, in portable radio communication device e.g. cell phone, involves associating transaction with predefined transaction identity based on information on secure transaction

[..ver más](#)

BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2011034453 A1	YDREAMS INFORMATICA SA	Computer-implemented method for providing location-based services using mobile device involves executing available service using mobile device
WO2011025236 A2	SAMSUNG ELECTRONICS CO LTD	Mobile device e.g. digital camera has control unit that controls relevant information extracted based on location information and additional information to be displayed
WO2011022127 A1	E-VIEW CONNECTIONS LLC	Content distribution system for providing content to subscribers over public communications network includes mobile communication devices repeatedly reporting their respective global positioning system (GPS) coordinates to content server
WO2011008678 A1	RAYTHEON CO	Situational information providing method for military application, involves comparing geographic coordinates of candidate geotag to location data included in received request, and sending candidate geotag to requester accordingly
WO2011011616 A1	FMR LLC	Method for generating and tracking activity patterns, involves determining occurrence of repeated activity based on tracking, and generating activity patterns associated with mobile device based on occurrence of repeated activity

[..ver más](#)

TELEVISIÓN MÓVIL

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2011029303 A1	ZTE CORP	Electronic service guides transmitting method, involves acquiring dynamic content delivery contents encapsulating electronic service guide information from dynamic content delivery server
WO2011019172 A2	SAMSUNG ELECTRONICS CO LTD	Method for scheduling multimedia broadcast and multimedia service such as mobile TV broadcast transmission in radio frames, involves scheduling MBMS data for MBMS service to employ different starting subframe within scheduling period
WO2011016766 A1	TELEFONAKTIEBOLAGET ERICSSON L M	Method for controlling content service e.g. mobile TV service to be consumed by user, involves verifying parental control verification code which is inserted into message instead of password
WO2010151665 A1	QUALCOMM INC	Method for verifying receipt of broadcast transmissions to mobile devices involves enabling access to requested broadcast program when received reception verification indicates that encrypted broadcast content stream was received reliably
WO2011004076 A1	NOKIA CORP	Method for realizing fully customized mobile advertisement services with mobile TV, involves transmitting notification message that comprises information based on scheduled advertisement period, and accessing advertisement media data
WO2010142722 A1	THOMSON LICENSING	Method for providing service guide for providing multiple multicast services in mobile TV network, involves changing new order of multicast services to existing order based on subset of multicast services

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2011015597 A1	TELEFONICA SA	System for controlling access to multimedia pay contents for e.g. TV packages received at set-top box by e.g. built-in digital terrestrial TV receiver of digital TV set, has mobile terminal sending information through interface to receiver
WO2011011649 A1	MOTOROLA ELECTRONICS PTE LTD MOTOROLA INC	Adapter unit for use in adapter system, has input actuator and grip portion inter-configured to enable gripping of grip portion and operation of actuator with hand and input signals for providing data to or controlling electronic device
WO2011011368 A2	MOTOROLA MOBILITY INC	Method for booting device comprising two co-existing independent operating environments e.g. mobile phone, involves designating initializing scripts of personal computing primary operating system and secondary mobile operating system
WO2011005437 A1	MOTOROLA INC MOTOROLA MOBILITY INC	Mobile electronic device which is movable to different orientations for providing different modes in partially open positions
WO2011001001 A1	NOKIA CORP	Apparatus for displaying content on touch screen display of e.g. mobile phone, selects and displays metadata relating to image within portion of primary area after image is translated to secondary area in response to drag operation
WO2010141177 A1	APPLE INC	Portable device e.g. cellular phone, for use in dashboard of car, has compass direction output module selecting one of geomagnetic directions to be used for direction output of fields when device is carried by user