

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 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

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO2010136854 A1	SONY ERICSSON MOBILE COMMUNICATIONS AB	Lockscreen display device e.g. mobile terminal, allows user to interact only with application associated with locked mode and prohibits interaction with other application through touch screen display when display is in locked mode
WO2010136888 A1	NOKIA CORP	Computer for modifying data stream communication in electronic device e.g. mobile phone, stores computer program code which shares or unshares data stream with electronic device based on received user configuration
WO2010135155 A2	MICROSOFT CORP	Implementation method for column organization of content by mobile communications device e.g. wireless phone involves displaying user interface on display device of mobile communications device in vertical columns
WO2010135128 A1	SONY COMPUTER ENTERTAINMENT AMERICA	Hand-held electronic device has processor that highlights recently activated active element in response to user interaction and activates recently activated active element in response to user's touch on touch interface
WO2010131869 A2	SAMSUNG ELECTRONICS CO LTD	Image processing method for image zooming and display on mobile terminal involves displaying zooming graphical user interface (GUI) indicator for image zooming operation in response to sensing touch on touch screen that displays image
WO2010122380 A1	SONY ERICSSON MOBILE COMMUNICATIONS AB	Electronic device e.g. cell phone, has processor performing specific function associated with obtained identification information and graphical user interface object when finger touches graphical user interface object
WO2010118247 A1	GOOGLE INC LI Y	Computer-implemented user interface method for computer-implemented user interface system involves automatically displaying second sub-portion of list having one or entries whose first character correlates to alphanumeric character
WO2010112841 A1	TOUCHTYPE LTD	System for inputting text to touch-screen electronic device e.g. personal digital assistant, has text prediction engine providing text predictions to user interface for display and user selection functions
WO2010117642 A2	MICROSOFT	Mobile communication performing method for e.g. wireless phone, involves displaying animation providing appearance of unlock screen as page being turned, and removing lock of keys if input at mobile communication device is detected
WO2010109294 A1	NOKIA CORP SHEN A	Non alphanumeric display apparatus for electronic devices, has shorthand aided rapid keyboarding enabled touch screen which is configured to display non alpha numeric character in position
WO2010106517 A1	NOKIA CORP TENG S E	Method for performing discontinuous shape-writing in electronic touch-screen device e.g. mobile telephone, involves generating continuous shape based on indications touch events and identifying word based on shape
WO2010106217 A1	NOKIA CORP	Emotion based interface providing medium, has set of instructions for invoking application corresponding to one option of multiple options, where options include accessing services, applications and content available to user equipment
WO2010105440 A1	GOOGLE INC	Computer-implemented user interface method for computing device e.g. mobile telephone, involves controlling location of candidate area generated over front surface of electronic canvas, automatically as information is added to canvas
WO2010105010 A1	IMMERSION CORP	Haptic feedback system for using textures in graphical user interface (GUI) widgets, has processor for transmitting haptic signal that causes actuator to output haptic effects to stimulate textures based on user interaction on display area

WO2010104953 A1	ARTIFICIAL MUSCLE INC	User interface device for manipulation by user, has housing configured to enhance haptic feedback force generated by electroactive polymer (EAP) actuator, and provided with user interface surface configured to be manipulated by user
WO2010107653 A2	APPLE INC	Contents editing e.g. cutting, method for HTML electronic mail displayed on LCD of e.g. Internet-enabled multimedia mobile phone, involves selecting gesture-specified portion of content box when electronic document does not meet criteria

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SERVICIOS MÓVILES AVANZADOS

REDES SOCIALES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010125233 A1	NOKIA CORP	Computer readable storage medium storing program for mid-service sharing of application, stores instructions for sending message specifying icon data for presenting icon within different user device
WO2010125446 A1	NOKIA CORP	Context sharing apparatus, e.g. electronic device, for sharing context to one or more users has user interface, which displays content related to first contact

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PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010138872 A1	BANK OF AMERICA CORP	System for providing instant credit processing at electronic-commerce, has credit-issuing entity that provides multiple interfacing services that are related to instant credit request with decision for instant customer credit response
WO2010118612 A1	ZTE CORP	Method for installing contactless payment application in smart card, involves avoiding installation of payment application which is not supported by smart card
WO2010114499 A2	GUELSEVEN S	Mobile payment device, has touch screen performing wireless exchange of data by global system for mobile communications and code division multiple access wireless data technologies, and memory storing card information of users
WO2010115604 A3	TRUSTED LOGIC	Method for performing contactless proximity electronic transaction between e.g. mobile telephone and electronic transaction terminal for product payment, involves performing transaction between equipment and terminal based on protocol
WO2010111002 A1	MOTOROLA INC	Method for selecting near field communication applications e.g. electronic wallet application in mobile telephone, involves executing selected application in powered-down mobile device to interact with near field communication device
WO2010106452 A1	NXP BV	Top-up data processing method for providing near field communication (NFC) application to mobile phone, involves transforming data to service provider for processing and issuing NFC application to mobile device
WO2010106340 A1	VALIDSOFT UK LTD	Method for authenticating transaction, involves comparing mobile network segment data and data identified by automated teller machine identifier with database, and authenticating transaction in dependence on result of comparison

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BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010138775 A1	GEODELIC INC	Location discovery method for mobile communications, involves transmitting location-based content to application running on mobile device, in which application displays representation of location-based content on display of mobile device
WO2010138344 A2	LUCID VENTURES INC	Method for performing time-based control of simulated object associated with physical location in real world environment by utilizing e.g. cell phone, to simulate e.g. chess, involves utilizing timing data including device located time
WO2010129766 A1	GOOGLE INC	Method for refining physical location information for place of interest in e.g. mobile phone, involves creating heat map containing selected ones of specific physical locations based upon time information
WO2010131081 A1	SONY ERICSSON MOBILE COMMUNICATIONS AB	Method for adapting parameters associated with receiver of user device e.g. smart phone, involves adapting parameters associated with connection between receiver and other device based on mobility information
WO2010113143 A3	NOKIA CORP	Computer-readable storage medium for integration of community-provided place data, includes instructions for providing indication of match between registration data and metadata for predetermined place
WO2010112819 A1	BRITISH TELECOM PLC	Providing method of location-based messaging involves sending each member of each group same group-specific message appropriate to average location of group
WO2010101979 A2	MOASIS GLOBAL INC	Content communicating system for location-selective information provision system has transmitter that transmits first set of content to first information playback device and second set of content to second information playback device

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TELEVISIÓN MÓVIL

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010135461 A2	QUALCOMM INC	Receiving method for selectively receiving application content transmitted by broadcast network involves selectively passing content received in broadcast transmissions to higher-layer application based upon content selection criteria
WO2010124171 A2	BYDELEY D LEVY G SHENG S TELEGENT SYSTEMS INC WANG Q	Method for operating and interacting with video receiving device e.g. mobile telephone, involves detecting response from user to displayed additional information and transmitting data indicative of response from user
WO2010103395 A8	ADVANCED MICRO DEVICES INC MA X TOUZNI AZZEDINE	Method for synchronizing digital TV receiver to mobile TV signal, involves determining fine frequency offset of baseband signal, and synchronizing receiver to received signal using coarse frequency offset and fine frequency offset

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OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO2010125449 A1	NOKIA CORP	Method for analyzing written mathematical expressions on touch screen display of e.g. electronic device, involves constructing, expression tree based on desired symbol relationships, operator, and operand
WO2010126739 A1	ALCATEL-LUCENT USA INC	Offer e.g. service, targeting system, for mobile user in wireless communication network of wireless telecommunications system, has trial offer manager for offering service to mobile user based on mapping and trigger
WO2010127137 A1	POTKONJAK M TECHNOLOGY CURRENTS LLC	Managing method of wireless device e.g. desktop computer, involves generating by optimizer or analyzer a set of instructions to configure wireless device, based on predicted future task and associated resource requirement
WO2010129774 A1	INNOVATIVE TECHNOLOGY DISTRIBUTORS LLC	Computer-implemented method for synchronizing delivery of e.g. promotional material to e.g. desktop computers, involves delivering promotional material to additional computing devices associated with user device portfolio
WO2010122215 A1	NOKIA CORP	User activity rewarding method for e.g. game, involves determining whether tasks are completed by user based on synchronized information, and providing reward to user within service based on determination result
WO2010125229 A1	NOKIA CORP	Tasks handling apparatus for computing device such as mobile phone, has task manager displaying representation of each task in predetermined display area, where each representation is representation of display caused by corresponding task
WO2010121152 A2	YAHOO INC	System for providing user-generated content (UGC) such as summary of blog entry through network, has data store that is searched to identify pushed vitality updates based on query request, and vitality information is provided
WO2010112993 A1	NOKIA CORP	Generation method for illustrative representation of text communication using mobile electronic devices, e.g., mobile phones involves displaying illustrative representation comprising visual representation of text communication participant
WO2010112951 A1	NOKIA CORP	Electronic device for creating user compendium for electronic book, has processor to receive selection associated with electronic book and store user selection in user compendium, and user interface to display user compendium
WO2010109836 A1	PIONEER CORP SHARP KK	Notification apparatus for use in e.g. mobile telephone, has notification module for notifying user when device position enters predetermined range set based on extracted positional information
WO2010105137 A9	CELLULAR TERRESTRIAL BROADCASTING LLC	Cellular over-the-air TV broadcasting system e.g. UHF-based cellular TV system, has TV transmitter transmitting common content and local content received from location-based service router over designated over-the-air broadcast TV channel