

Boletín VT

SERVICIOS E INTERFACES AVANZADOS MÓVILES

2.º trimestre 2020

42

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

NIPO: 116-19-021-9

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
WO 2020085643 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and controlling method thereof
WO 2020062014 A1	HUAWEI TECH CO LTD	Method for inputting information into input box and electronic device
WO 2020071200 A1	SONY CORP	Information processing device, information processing method, and program
WO 2020047086 A1	SONOS INC	Audio notifications
WO 2020060241 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for capturing multimedia content
WO 2020068375 A1	APPLE INC	Device control using gaze information
WO 2020083376 A1	ALIBABA GROUP HOLDING LTD	User interface operation method and mobile terminal
WO 2020068876 A1	INTERLINK ELECTRONICS INC	Multi-modal touchpad
WO 2020076086 A1	SAMSUNG ELECTRONICS CO LTD	System for processing user utterance and operating method thereof
WO 2020080639 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for controlling application according to folding angle and method thereof
WO 2020077620 A1	HUAWEI TECH CO LTD	Timeline user interface
WO 2020085789 A1	SAMSUNG ELECTRONICS CO LTD	Foldable electronic device for controlling user interface and operating method thereof
WO 2020055476 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Dynamic deployment target control
WO 2020055613 A1	APPLE INC	User interfaces for simulated depth effects
WO 2020075926 A1	SAMSUNG ELECTRONICS CO LTD	Mobile device and method for controlling mobile device
WO 2020077262 A1	WAVEAI INC	Method and system for interactive song generation
WO 2020075925 A1	SAMSUNG ELECTRONICS CO LTD	Mobile device and control method for mobile device
WO 2020055607 A2	APPLE INC	User interfaces for controlling or presenting information about multiple cellular identifiers on an electronic device
WO 2020057613 A1	ZTE CORP	Display control method for display screen, apparatus, device, and readable storage medium
WO 2020078297 A1	HUAWEI TECH CO LTD	Method for processing frozen screen, and terminal
WO 2020096146 A1	SAMSUNG ELECTRONICS CO LTD	System and method for content-backed user interface snippets
WO 2020111626 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and key input method therefor
WO 2020080867 A1	SAMSUNG ELECTRONICS CO LTD	Display device and control method thereof

WO 2020111730 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for providing predictive word and operating method thereof
WO 2020101285 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device including rotatable member and method for operating same
WO 2020067710 A1	SAMSUNG ELECTRONICS CO LTD	Method and system for providing interactive interface
WO 2020117534 A2	MICROSOFT TECHNOLOGY LICENSING LLC	Modeless augmentations to a virtual trackpad on a multiple screen computing device
WO 2020106518 A1	ENGEIO INCORPORATED	Systems and methods for remote interaction with portable field measurement equipment
WO 2020101142 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device supporting virtual mobile environment enabling user to select computing resources and performing application with selected computing resources
WO 2020106830 A1	LATCHABLE INC	Occupant and guest interaction with a virtual environment
WO 2020092398 A2	ALIBABA GROUP HOLDING LTD	Method, device, and system for providing an interface based on an interaction with a terminal
WO 2020085643 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and controlling method thereof
WO 2020062014 A1	HUAWEI TECH CO LTD	Method for inputting information into input box and electronic device
WO 2020071200 A1	SONY CORP	Information processing device, information processing method, and program
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WO 2020077620 A1	HUAWEI TECH CO LTD	Timeline user interface
WO 2020085789 A1	SAMSUNG ELECTRONICS CO LTD	Foldable electronic device for controlling user interface and operating method thereof

[...ver más](#)

SERVICIOS MÓVILES AVANZADOS

REDES SOCIALES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2020076305 A1	HEWLETT PACKARD DEVELOPMENT CO	Emulated computing device in enhanced reality environments
WO 2020052731 A1	HUAWEI TECH CO LTD	Apparatus and method for managing event notifications in mobile devices and computer program product therefor
WO 2020084649 A2	NABER JAWAD	Apparatus and method for providing a social networking marketplace for peer-to-peer services
WO 2020112513 A1	FACEBOOK TECH LLC	Perspective shuffling in virtual co-experiencing systems
WO 2020061373 A1	TWITTER INC	Progressive api responses
WO 2020102688 A2	FACET LABS LLC	Computing systems for authenticating products using markers and related methods and devices
WO 2020069392 A1	SNAP INC	Collaborative achievement interface

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PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2020067490 A1	TAKAYAMA MASAAKI	Information processing device and program
WO 2020058861 A1	RAUTENBACH FRANCOIS JOHANNES	A payment authentication device, a payment authentication system and a method of authenticating payment
WO 2020072403 A1	CAPITAL ONE SERVICES LLC	Systems and methods for cryptographic authentication of contactless cards
WO 2020058900 A1	RAUTENBACH FRANCOIS JOHANNES	Adapter for a printer
WO 2020072693 A1	PAYPAL INC	Enhancing computer security via detection of inconsistent internet browser versions
WO 2020085761 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for supporting short-range wireless communication using first coil and second coil positioned next to first coil
WO 2020068155 A1	GUERRIERI SALVATORE	Systems and methods for providing a flexible and integrated communications, scheduling, and commerce platform
WO 2020064890 A1	INGENICO GROUP	Method for processing a transaction, device, system and corresponding program
WO 2020072633 A1	CHAU WUNCHUN	Fueling station transaction system and method
WO 2020086668 A1	VISA INT SERVICE ASS	Validation service for account verification
WO 2020066726 A1	GLORY KOGYO KK	Currency processing system and currency processing device
WO 2020108800 A1	COMDIRECT BANK AG	Chat order
WO 2020060677 A1	MASTERCARD INTERNATIONAL INC	Payment transaction process employing invoice token
WO 2020080301 A1	PAYLESSGATE CORP	Authenticated device, authentication device, authentication request transmitting method, authentication method, and program
WO 2020104809 A1	BELAMANT PHILIP	Real-time financial product selection
WO 2020060936 A1	UBER TECHNOLOGIES INC	Object verification for a network-based service
WO 2020079451 A1	MOBY4 LTD	Authentication system and method
WO 2020076680 A1	JPMORGAN CHASE BANK NA	Method and system for implementing a cash management tool
WO 2020112251 A1	MASTERCARD INTERNATIONAL INC	Methods and systems for secure product tracking data storage and verification
WO 2020102330 A1	VISA INT SERVICE ASS	Installments system and method
WO 2020106294 A1	ONE STEP SHOT LLC	An adapter device for obtaining payments and monitoring inventory levels of a vending machine
WO 2020076941 A1	KIRKEBY CYNTHIA FASCENELLI	Secure wireless data devices and methods of use
WO 2020106229 A1	MONEYMO ONLINE BILISIM HIZMETLERI ANONIM SIRKETI	An account management system and method
WO 2020106373 A1	MASTERCARD INTERNATIONAL INC	Methods and systems for linking tokenized data
WO 2020129263 A1	LINE PAY CORP	Authentication method, program, and terminal
WO 2020091908 A1	MASTERCARD INTERNATIONAL INC	Non-default payment application selection during emv-compliant payment transaction method
WO 2020074060 A1	ERICSSON TELEFON AB L M	Authentication of data transactions
WO 2020095954 A1	GLORY KOGYO KK	Virtual currency trading apparatus, virtual currency trading system and virtual currency trading method
WO 2020097392 A1	NEOLOGY INC	Detachable radio frequency identification switch tag
WO 2020113400 A1	MATRIX TECH PTE LTD	Mobile payment method, apparatus, and device
WO 2020097140 A1	CAPITAL ONE SERVICES LLC	System and method for creating a secure mesh network utilizing the blockchain
WO 2020104184 A1	DAIMLER AG	Method for payment in a motor vehicle by means of a transaction on a cryptocurrency computer network
WO 2020069276 A1	MASTERCARD INTERNATIONAL INC	Devices, computer-readable media, and systems for augmented reality of available resources

WO 2020096619 A1	VISA INT SERVICE ASS	Dynamic card acceptance infrastructure
WO 2020112250 A1	MASTERCARD INTERNATIONAL INC	Improvements relating to security and authentication of interaction data
WO 2020112249 A1	MASTERCARD INTERNATIONAL INC	Improvements relating to security and authentication of interaction data
WO 2020089590 A1	GELLINER LTD	Systems and methods for communicating transaction information between electronic devices
WO 2020101803 A1	MASTERCARD INTERNATIONAL INC	Credential management for mobile devices
WO 2020106301 A1	VISA INT SERVICE ASS	Platform for efficient and diverse sharing of transaction data
WO 2020102607 A1	PAYPAL INC	Security of authentication data on mobile devices
WO 2020112093 A1	VISA INT SERVICE ASS	Post-transaction tipping with modified transaction message fields
WO 2020101378 A1	SHOPONAIR CO LTD	Connector apparatus connectable with payment terminal, connector apparatus for identifying information for transmission to user wireless terminal from data received from payment terminal and identifying method thereof, connector apparatus for extracting payment request information from data received from payment terminal and extracting method thereof, and connector apparatus for performing payment by transmitting payment request information to user wireless terminal and receiving payment result information
WO 2020110265 A1	FUJITSU FRONTTECH LTD	Authentication server and authentication method
WO 2020117735 A1	VISA INT SERVICE ASS	Data protection system including cryptographic key retrieval
WO 2020092680 A1	JPMORGAN CHASE BANK NA	Methods and systems for controlling and monitoring token spend
WO 2020101059 A1	SAMSUNG ELECTRONICS CO LTD	Mobile terminal
WO 2020117247 A1	VISA INT SERVICE ASS	Proximity device network
WO 2020057230 A1	CHINA UNIONPAY CO LTD	Account transfer platform, transfer-out or transfer-in acceptance mechanism, computer storage medium, and execution method
WO 2020117909 A1	PAYPAL INC	Modification of user account functionality based on a physical state of a mobile device
WO 2020112166 A1	VISA INT SERVICE ASS	Techniques for preventing collusion using simultaneous key release
WO 2020117559 A1	VISA INT SERVICE ASS	Secured extended range application data exchange
WO 2020121862 A1	UNITED SMILES CO LTD	Information processing method, information processing device, and program
WO 2020123274 A1	MASTERCARD INTERNATIONAL INC	Systems and methods for provisioning accounts
WO 2020102484 A1	VISA INT SERVICE ASS	Cloud token provisioning of multiple tokens
WO 2020106071 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for providing avatar image associated with payment
WO 2020112142 A1	VISA INT SERVICE ASS	Systems and methods for improving computer identification
WO 2020123740 A1	HARDING ALEXANDER FAIRCHILD	Apparatus and method for remotely recording and compiling personalized messages
WO 2020101602 A2	TURKIYE GARANTI BANKASI ANONIM SIRKETI	A system for providing financial management among bank accounts
WO 2020123209 A1	PAYPAL INC	System and method for obtaining recommendations using scalable cross-domain collaborative filtering
WO 2020081632 A2	AMERICAN EXPRESS TRAVEL RELATED SERVICES CO INC	Secure mobile checkout system
WO 2020102711 A1	BARN2DOOR INC	System and method to manage deposits and payments for variable weighted and variable priced agricultural products

[..ver más](#)

BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2020076962 A1	UBER TECHNOLOGIES INC	Location-spoofing detection system for a network service
WO 2020083600 A1	SIEMENS MOBILITY GMBH	Locating method for shielded spaces
WO 2020079319 A1	KONE CORP	Mobile device and systems for wireless people flow management in a building
WO 2020072285 A1	DRIVE AUTOMATION LLC	Buyer and seller information application and method
WO 2020074430 A1	ASSA ABLOY AB	Physical access control system and method
WO 2020068449 A1	PEPSICO INC	Mobile vending machine
WO 2020098929 A1	ERICSSON TELEFON AB L M	Privacy protection in location based services
WO 2020102613 A1	CRYOVAC LLC	Brand-identifiable and cloud-enabled packaging material
WO 2020115945 A1	NTT DOCOMO INC	Positioning system
WO 2020097867 A1	SHENZHEN HEYTAP TECH CO LTD	Message reminding method, message reminding apparatus and mobile terminal
WO 2020112010 A1	CRUNCHFISH PROXIMITY AB	Triggering a proximity-based digital action with a mobile device and a base device
WO 2020120159 A1	TELECOM ITALIA SPA	Method and system for delivering dedicated services restricted to a predefined service area
WO 2020107494 A1	BEIJING DIDI INFINITY TECHNOLOGY & DEV CO LTD	Systems and methods for providing information of a point of interest using an address label
WO 2020101955 A1	COMMSCOPE TECHNOLOGIES LLC	Location determination with a cloud radio access network

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TELEVISIÓN MÓVIL

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2020071712 A1	SAMSUNG ELECTRONICS CO LTD	Method for controlling plurality of voice recognizing devices and electronic device supporting the same
WO 2020111292 A1	LG ELECTRONICS INC	Multimedia device for processing voice command
WO 2020097681 A1	UNBND GROUP PTY LTD	Technology adapted to provide a user interface via presentation of two-dimensional content via three-dimensional display objects rendered in a navigable virtual space
WO 2020060070 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and control method thereof
WO 2020089932 A1	MYBOX TECH PVT LTD	Voice control method and device for intelligent linux set-top-box system
WO 2020130237 A1	SAMSUNG ELECTRONICS CO LTD	Terminal device and method for controlling thereof

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2020055097 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for recognizing object and method for controlling electronic device
WO 2020054957 A1	NAMOWEBIZ INC	Display device, method and server for providing augmented reality, virtual reality or mixed reality content associated with product
WO 2020075084 A1	VEGGA APPSOL PRIVATE LTD	Adaptation of cloud technology in digital advertisement
WO 2020060151 A1	SAMSUNG ELECTRONICS CO LTD	System and method for providing voice assistant service
WO 2020086045 A2	DIGIT BILISIM TEKNOLOJILERI ARASTIRMA GELISTIRME ANONIM SIRKETI	A device for operating existing door locks automatically
WO 2020086722 A1	YEXT INC	Knowledge search system
WO 2020090298 A1	DWANGO CO LTD	Information display terminal, information transmission method, and computer program
WO 2020102161 A1	DELL PRODUCTS LP	Application management for multi-form factor information handling system (ihs)
WO 2020106104 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for providing meditation contents and operating method thereof
WO 2020106517 A1	FACEBOOK TECH LLC	Systems and methods for maintaining directional wireless links of motile devices
WO 2020102197 A1	DELL PRODUCTS LP	Multi-form factor information handling system (ihs) with automatically reconfigurable hardware keys
WO 2020114416 A1	ALIBABA GROUP HOLDING LTD	Processing method for product restocking and product identification, device, and electronic apparatus
WO 2020102217 A1	ACTV8 INC	Method for enabling advertising or promotional information presented during content being played to be saved in a digital wallet for later access
WO 2020102687 A1	EDX TECH INC	Augmented reality (ar) imprinting methods and systems
WO 2020123048 A1	UBER TECHNOLOGIES INC	Memory crash prevention for a computing device

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Los ITPs** de la OEPM detectaron solicitudes de patente relevantes cuando estábamos a mitad del proyecto y gracias a ello pudimos reconducir nuestra investigación.



Gracias a los ITPs** de la OEPM hemos podido decidir la mejor forma de protección de nuestros resultados de I+D y redactar adecuadamente nuestras solicitudes de patente.



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