

Boletín VT

SERVICIOS E INTERFACES AVANZADOS MÓVILES

1.º trimestre 2021

45

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 2020264184 A1	SNAP INC	Contextual navigation menu
WO 2021052279 A1	HUAWEI TECH CO LTD	Foldable screen display method and electronic device
WO 2021014716 A1	SONY CORP	Image processing device, image processing method, and program
WO 2021042054 A1	PEPSICO INC	Intermediate menu, visual design template, and interactive label
WO 2021002844 A1	HEWLETT PACKARD DEVELOPMENT CO	Displaying graphical user interfaces based on audio session states
WO 2021054589 A1	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus and controlling method thereof
WO 2021006889 A1	HEWLETT PACKARD DEVELOPMENT CO	Operational modes detection of input pens
WO 2021008871 A1	AUDI AG	Method for operating a mobile terminal by means of a gesture recognition and control device, gesture recognition and control device, motor vehicle, and an output apparatus that can be worn on the head
WO 2020263034 A1	SAMSUNG ELECTRONICS CO LTD	Device for recognizing speech input from user and operating method thereof
WO 2020262958 A1	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus and control method thereof
WO 2021015738 A1	HEWLETT PACKARD DEVELOPMENT CO	Collaborative displays
WO 2021034383 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Systems and methods for generating and managing user authentication rules of a computing device
WO 2021016512 A1	HOUZZ INC	Mobile device image item replacements
WO 2020259452 A1	HUAWEI TECH CO LTD	Full-screen display method for mobile terminal, and apparatus
WO 2021002846 A1	GOOGLE LLC	Mobile-enabled voice search of media items for displaying on alternative playback devices
WO 2021055041 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Data model for page layouts
WO 2021000450 A1	BEIJING XIAOMI MOBILE SOFTWARE CO LTD	Touch signal processing method, device, and medium
WO 2021026776 A1	SZ DJI TECHNOLOGY CO LTD	Terminal control method, control terminal and movable platform
WO 2021011331 A1	QUALCOMM INC	Multi-modal user interface
WO 2020263573 A1	ASG TECH GROUP INC DBA ASG TECH	Systems and methods for seamlessly integrating multiple products by using a common visual modeler
WO 2020263375 A1	APPLE INC	User interfaces for a compass application
WO 2021029529 A1	LG ELECTRONICS INC	Virtual fitting provision device and provision method therefor
WO 2021036830 A1	HUAWEI TECH CO LTD	Method for displaying application on folding screen, and electronic device
WO 2021045730 A1	LIGHT FIELD LAB INC	Light field display for mobile devices

WO 2021044085 A2	HAP2U	Method and device for producing a key-click effect on a haptic interface
WO 2021025280 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for providing user interface
WO 2021033814 A1	H LAB CO LTD	Radar-based non-wearable gesture recognition service system
WO 2021045822 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Interactive visual search engine
WO 2021026356 A1	FULLSTORY INC	Protecting user privacy in user interface data collection
WO 2021025497 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for sharing data thereof
WO 2021020777 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for identifying gesture performed by stylus pen and method for operating the same
WO 2021031915 A1	HUAWEI TECH CO LTD	Intelligent video recording method and apparatus
WO 2021050184 A1	FACEBOOK TECH LLC	Artificial reality triggered by physical object
WO 2021021887 A1	KODAK ALARIS INC	Retail photo kiosk access system
WO 2021021585 A1	OCELOT LABORATORIES LLC	Object scanning for subsequent object detection
WO 2021012128 A1	BOE TECHNOLOGY GROUP CO LTD	Mobile terminal-based image display apparatus and method, medium, and electronic device

[...ver más](#)

SERVICIOS MÓVILES AVANZADOS

REDES SOCIALES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2021007230 A1	ROVI GUIDES INC	System and methods to denote unshared content to be shared
WO 2021030206 A1	FORWARD IMPACT ENTPR LLC	System and method for providing a technology-supported-trusted-performance feedback and experiential learning system
WO 2021041393 A1	SMULE INC	Short segment generation for user engagement in vocal capture applications
WO 2021041729 A1	DEBATE ME NOW TECH INC	Method and apparatus for controlled online debate
WO 2021025576 A1	NECHAEV MARK ALEKSANDROVICH	Moderation of live stream participants
WO 2021034752 A1	SAINT JOHN GROUP LLC	Cross-platform message management system
WO 2021045868 A1	FACEBOOK TECH LLC	System and method for split storage stack

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PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2020257597 A1	TUNNEL INT INC	Methods, systems, and devices for secure cross-border payments with high transaction throughput
WO 2021034410 A1	MASTERCARD INTERNATIONAL INC	lot devices
WO 2021044733 A1	GLORY KOGYO KK	Settlement system, terminal, server, and program
WO 2020255621 A1	LINE PAY CORP	Information processing method, program, terminal and server
WO 2020258102 A1	SHENZHEN HEYTAP TECH CORP LTD	Content pushing method and apparatus, mobile terminal and storage medium
WO 2020260023 A1	THALES DIS FRANCE SA	Method and system for confirming the enrolment of an individual on a biometric device
WO 2021001801 A1	ODUYEMI ADEMOLA ODUYEMI	Method and electronic device for aggregating sources for payment to financial transaction
WO 2021041105 A1	AMAZON TECH INC	Selecting exemptions to strong authentication requirements
WO 2021016463 A1	JPMORGAN CHASE BANK NA	Systems and methods for accepting cash deposits or billpays at merchant point of transaction devices
WO 2020255372 A1	DOUBLE JUMP TOKYO INC	Token issuance method, information processing device, and blockchain system
WO 2020260151 A1	KONINKLIJKE PHILIPS NV	Zero-knowledge contingent payments protocol for granting access to encrypted assets
WO 2021006477 A1	SHOPONAIR CO LTD	Payment management method of connector device, and connector device for performing same method
WO 2020256481 A1	HAREXINFOTECH INC	Payment service system
WO 2021003186 A1	PAYPAL INC	Detection of fraudulent displayable code data during device capture
WO 2021007472 A1	MASTERCARD INTERNATIONAL INC	Methods and systems for securing and utilizing a personal data store on a mobile device
WO 2021011136 A1	MASTERCARD INTERNATIONAL INC	Methods, systems, and networks for authentication based on physical condition of a mobile device
WO 2021029522 A1	KAONMEDIA CO LTD	Mobile payment device
WO 2021011354 A1	CAPITAL ONE SERVICES LLC	Continuous authentication for digital services based on contactless card positioning
WO 2021011371 A1	CAPITAL ONE SERVICES LLC	System for value loading onto in-vehicle device
WO 2020255620 A1	LINE PAY CORP	Information processing method, program, and terminal
WO 2021006893 A1	VISA INT SERVICE ASS	Systems and methods for communicating transaction data between mobile devices
WO 2021002587 A1	UNIV INHA RES & BUSINESS FOUN	Method, system, and program for in-store automatic payment
WO 2021010018 A1	FUJI ELECTRIC CO LTD	Automatic vending machine system
WO 2021011964 A1	QUALCOMM INC	Retailer device binding in mobile devices
WO 2021028594 A1	ENE COSMIN GABRIEL	Methods and systems for image sensor-based signage initiated transactions
WO 2020263781 A1	MASTERCARD INTERNATIONAL INC	Methods and systems enabling external entity to provision payment credentials to a digital device
WO 2020257896 A1	PRADO THIAGO	System and method for validation and authentication for use in product sales
WO 2021041387 A1	VISA INT SERVICE ASS	Provisioning method and system with message conversion
WO 2021006515 A1	LG ELECTRONICS INC	Wireless power reception device and wireless power transmission device
WO 2020262793 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device having a plurality of coil antennas
WO 2020261831 A1	LINE PAY CORP	Information processing method, program, and terminal
WO 2021028593 A1	ENE COSMIN GABRIEL	Methods of computer-implemented image sensor-initiated transactions for purchases with transaction fees paid to multiple parties
WO 2021041470 A1	SYNCHRONY BANK	Employer markets

WO 2021003038 A1	CAPITAL ONE SERVICES LLC	Systems and methods for providing online and hybridcard interactions
WO 2021022207 A1	IIGC INC	Stored-value payment card platform
WO 2021048882 A1	CARAZZA ANDREA	A workstation for internet transactions between non- business users
WO 2021022221 A1	VISA INT SERVICE ASS	Techniques for secure data exchanges
WO 2021011126 A1	MASTERCARD INTERNATIONAL INC	Systems for use in binding internet of things devices with identities
WO 2021023897 A1	ABERTIS AUTOPISTAS ESPANA S A SOC UNIPERSONAL	System and method for controlling vehicles by means of mobile user terminals in barrier-free toll systems
WO 2021025989 A1	MASTERCARD INTERNATIONAL INC	System and method to support payment acceptance capability for merchants
WO 2021021802 A1	ELO TOUCH SOLUTIONS INC	Multi-use payment device
WO 2021025637 A1	EVEND OTOMAT TEKNOLOJILERI A S	Vending machine payment and remote management system
WO 2021025564 A1	THE WORK SHOP LTD	System for encoding resource access credential in barcode
WO 2021026534 A1	VISA INT SERVICE ASS	Mobile application integration
WO 2021022000 A1	SCHOUPPE JIMMY	Intellectual property asset management system using distributed ledger technology
WO 2021033751 A1	DENSO WAVE INC	Information code display device and information code reading system
WO 2021041258 A1	423 ENTPR LLC	System and method of providing proximity payments
WO 2020261546 A1	RAKUTEN INC	Information processing device, information processing system, information processing method, and program
WO 2021025200 A1	EV PASS CO LTD	Electric kickboard rental system linked with tourism
WO 2021038580 A1	PANDA SUBHAMAYA	System and method for payment provision guarantee
WO 2021025698 A1	VISA INT SERVICE ASS	Computer-implemented method, system, and computer program product for authenticating a transaction
WO 2020257597 A1	TUNNEL INT INC	Methods, systems, and devices for secure cross-border payments with high transaction throughput

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BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2021016589 A1	MICRO LLC	Methods and systems for creating a location-based information sharing platform
WO 2021016617 A1	JPMORGAN CHASE BANK NA	Method and system for providing location-aware multi-factor mobile authentication
WO 2021001776 A1	TELEPASS S P A	System comprising an on-board unit for telematic traffic services
WO 2021014410 A1	1904038 ALBERTA LTD O/A SMART ACCESS	Methods and systems for providing context based information
WO 2021044356 A1	FOODEA LAB S R L	Computer-implemented method and system for secure identification of disconnected objects and their locations
WO 2021016741 A1	NOKIA SOLUTIONS & NETWORKS OY	Method, device and computer readable medium for controlling d2d routing
WO 2021038732 A1	NIPPON TELEGRAPH & TELEPHONE	Wireless transmission system, wireless transmission device, wireless transmission method, and program
WO 2021040495 A1	LG ELECTRONICS INC	Method by user device in wireless communication system
WO 2020256325 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for providing function by using corneal image in electronic device
WO 2021021061 A2	TURKCELL TEKNOLOJI ARASTIRMA VE GELISTIRME ANONIM SIRKETI	A location detection system

[..ver más](#)

TELEVISIÓN MÓVIL

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2021054671 A1	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus and method for controlling voice recognition thereof
WO 2021010578 A1	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus and method for recognizing speech thereof
WO 2021015401 A1	SAMSUNG ELECTRONICS CO LTD	Touch detection and position reconstruction
WO 2020263817 A1	INTEL CORP	Sub-pictures and sub-picture sets with level derivation
WO 2021041538 A2	SONY INTERACTIVE ENTERTAINMENT INC	Foveated optimization of tv streaming and rendering content assisted by personal devices
WO 2021027913 A1	BEIJING BYTEDANCE NETWORK TECH CO LTD	Screen projection method, screen projection device, mobile terminal and storage medium
WO 2021010549 A1	SAMSUNG ELECTRONICS CO LTD	Display apparatus and controlling method thereof
WO 2021027623 A1	HUAWEI TECH CO LTD	Device capability discovery method and p2p device
WO 2021002494 A1	LG ELECTRONICS INC	Display device
WO 2021045404 A1	SAMSUNG ELECTRONICS CO LTD	Display apparatus and method of controlling thereof
WO 2021032092 A1	JUHAOKAN TECH CO LTD	Display device
WO 2021034065 A1	SAMSUNG ELECTRONICS CO LTD	Display device, control method therefor, and recording medium
WO 2021031623 A1	HISENSE VISUAL TECH CO LTD	Display apparatus, file sharing method, and server
WO 2021015525 A1	SAMSUNG ELECTRONICS CO LTD	Content reproducing electronic apparatus and controlling method thereof

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OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2021028659 A1	PREVAYL LTD	Method, computer readable medium and system
WO 2021030139 A1	CYPRESS SEMICONDUCTOR CORP	Detecting the angle of a touch screen mounted passive dial
WO 2020252280 A1	KNOT STANDARD LLC	Systems and/or methods for presenting dynamic content for articles of clothing
WO 2021007257 A1	FACEBOOK TECH LLC	Systems and methods for distributing a neural network across multiple computing devices
WO 2021030362 A1	PAYPAL INC	Distributed queueing over a redis cluster
WO 2021032372 A1	BOSCH GMBH ROBERT	A system and method for development and distribution of mobility solutions
WO 2020263477 A1	QUALCOMM INC	Dual-frequency ultrasonic sensor system with frequency splitter
WO 2021014177 A1	LICENTIA GROUP LTD	Computer-implemented system and method for assisting input to a virtual keypad or keyboard on an electronic device
WO 2021011337 A1	FACEBOOK TECH LLC	Memory management of computing devices
WO 2020263708 A1	AMAZON TECH INC	A wearable device for controlling endpoint devices
WO 2021039367 A1	SONY CORP	Information processing apparatus, information processing method, and program for picture metadata display and editing
WO 2021034988 A1	QUALCOMM INC	Ultrasonic sensor with bi-poled or uni-poled transmitter/receiver
WO 2021028378 A1	NEXT BIOMETRICS GROUP ASA	Variable resolution read-out of a matrix sensor
WO 2021034787 A1	SIGMASENSE LLC	User input passive device for use with an interactive display device
WO 2021006635 A1	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus for identifying object through warped image and control method thereof
WO 2021002788 A1	ERICSSON TELEFON AB L M	Computing device and method for tracking objects
WO 2021003646 A1	ORANGE	Method for operating electronic device in order to browse through photos
WO 2021021154 A1	HEWLETT PACKARD DEVELOPMENT CO	Surface presentations
WO 2021041386 A1	JAND INC	Virtual fitting systems and methods for spectacles
WO 2021003397 A1	QUALCOMM INC	Password-based authorization for audio rendering
WO 2021045723 A1	GOOGLE LLC	Accelerating application and sub-package installations
WO 2021016439 A1	JPMORGAN CHASE BANK NA	Method and system for low density hosted telephony regulatory compliance
WO 2021029642 A1	SAMSUNG ELECTRONICS CO LTD	System and method for recognizing user's speech
WO 2021026350 A1	MEJIA COBO MARCELO ALONSO	Systems and methods of increasing pedestrian awareness during mobile device usage
WO 2021011201 A1	MICRON TECHNOLOGY INC	Reset and replay of memory sub-system controller in a memory sub-system

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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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