

Boletín VT

SERVICIOS E INTERFACES AVANZADOS MÓVILES

3.º trimestre 2021

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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

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 2021177669 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for processing user input
WO 2021177567 A1	SAMSUNG ELECTRONICS CO LTD	System and method for image color management
WO 2021173347 A1	MICRON TECHNOLOGY INC	User interface for modifying pictures
WO 2021173220 A1	ROVI GUIDES INC	Automated word correction in speech recognition systems
WO 2021183438 A1	LAYER JOT INC	Electronic-device interaction via a remote user interface
WO 2021130689 A1	PIAGGIO & CO S P A	Method and system for imparting voice commands to a motor vehicle
WO 2021118201 A1	SAMSUNG ELECTRONICS CO LTD	Foldable electronic device, and method of displaying user interface in said foldable electronic device
WO 2021170854 A1	TWENTY BILLION NEURONS GMBH	System and method for real-time interaction and coaching
WO 2021169881 A1	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP LTD	Display control method and device for head-mounted device, and computer storage medium
WO 2021145951 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Dynamic configuration of communication video stream arrangements based on an aspect ratio of an available display area
WO 2021118563 A1	GOOGLE LLC	Smart phone toggle for multi-network connectivity
WO 2021158706 A1	APPLE INC	Cursor integration with a touch screen user interface
WO 2021159079 A1	FIGMA INC	Design interface object manipulation based on aggregated property values
WO 2021167654 A1	CERENCE OPERATING CO	Coordinating electronic personal assistants
WO 2021133417 A1	INTELLIGENT WAVES LLC	Character editing on a physical device via interaction with a virtual device user interface
WO 2021126949 A1	DIGITS FINANCIAL INC	System and method for tracking changes between a current state and a last state seen by a user
WO 2021126393 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Sub-display notification handling
WO 2021129253 A1	HUAWEI TECH CO LTD	Method for displaying multiple windows, and electronic device and system
WO 2021146267 A1	CITRIX SYSTEMS INC	Generating and presenting contextual user interfaces on devices with foldable displays
WO 2021137629 A1	SAMSUNG ELECTRONICS CO LTD	Display device, mobile device, video calling method performed by the display device, and video calling method performed by the mobile device
WO 2021166264 A1	SONY GROUP CORP	Program, information processing method, and electronic device
WO 2021145466 A1	LG ELECTRONICS INC	Mobile terminal for identifying information of object and control method therefor
WO 2021167260 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for providing touch gesture and control method thereof
WO 2021141688 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Dynamic data relationships in whiteboard regions

WO 2021162286 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for recognizing audio output device connected to usb type-c connector
WO 2021167407 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device sharing at least one object and method for controlling the same
WO 2021118569 A1	HEWLETT PACKARD DEVELOPMENT CO	Devices with found device alert applications
WO 2021162268 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device, and method for synchronizing editing of objects between launcher screens thereof
WO 2021143655 A1	HUAWEI TECH CO LTD	Data transmission method and mobile device
WO 2021150037 A1	SAMSUNG ELECTRONICS CO LTD	Method for providing user interface and electronic device therefor
WO 2021163388 A2	APPLE INC	User interfaces for workout content
WO 2021147806 A1	HUAWEI TECH CO LTD	Emergency call method, and electronic apparatus

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SERVICIOS MÓVILES AVANZADOS

REDES SOCIALES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2021178379 A1	VISUAL SUPPLY COMPANY	Systems and methods for automating video editing
WO 2021173837 A1	HUMAN AI LABS INC	Memory retention system
WO 2021182257 A1	BANDAI CO	Program, terminal, and game management device
WO 2021133488 A1	MOTOROLA SOLUTIONS INC	Method and device for improving the searchability of incident-specific social media content posted via particularly identified communication devices
WO 2021117876 A1	KATO TSUBASA	Search device, search application, and search method
WO 2021148590 A1	NESTLE SA	Social media influencer platform
WO 2021140527 A1	KAKUMANU SARATH	Forwarding messages in digital communication application with or without a note to the forward messages

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PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2021177918 A1	KARTEK KART VE BILISIM TEKNOLOJILERI TICARET ANONIM SIRKETI	System and method verifying card holder with one time password in software based pos's
WO 2021181606 A1	HITACHI TRANSPORT SYSTEM	Price payment assistance system, information processing device, price payment assistance method, and program
WO 2021178773 A1	VISA INT SERVICE ASS	User authentication at access control server using mobile device
WO 2021178427 A1	SIONIC MOBILE CORP	Systems and methods for facilitating mobile payment transactions with a plurality of merchants
WO 2021172878 A1	HAREXINFOTECH INC	Vehicle-driving-related payment system, and method therefor
WO 2021173643 A1	PAYPAL INC	Server-driven user interface presentation framework for device applications
WO 2021172854 A1	LEE TAEKYOUNG	System for supporting ordering, payment, and delivery for each place of business
WO 2021183549 A1	RENT A CENTER WEST INC	System and method for introduction of a transaction mechanism to an e-commerce website without necessitation of multiparty systems integration
WO 2021127469 A1	LOUNGEING INC	Systems and methods for real time online to offline (o2o) shopping in and messaging to physical retail stores
WO 2021170643 A1	GIESECKE DEVRIENT GMBH	Method, terminal, monitoring entity, and payment system for managing electronic coin datasets
WO 2021137973 A1	CAPITAL ONE SERVICES LLC	Tapping a contactless card to a computing device to provision a virtual number
WO 2021170646 A1	GIESECKE DEVRIENT GMBH	Method for directly transmitting electronic coin datasets between terminals, payment system, protection system, and monitoring unit
WO 2021152189 A1	LAIV S L	System for releasing the actuation mechanism of coin-operated product-dispensing machines
WO 2021174131 A1	NEXTGEN MONETIZATION TRUST	Payment-based configuration table for performing biometric validation of a user
WO 2021174213 A1	VERIFONE INC	Systems, methods and devices for bluetooth numeric comparison pairing
WO 2021108560 A1	JPMORGAN CHASE BANK NA	Systems and methods for providing pre-emptive intercept warnings for online privacy or security
WO 2021119824 A1	MASTERCARD TECH CANADA ULC	Systems and methods for use in enabling device-to-device communication, based on user interactions with the devices
WO 2021125178 A1	WAGOON INC	Information processing device
WO 2021154798 A1	JPMORGAN CHASE BANK NA	Systems and methods for payment token provisioning with variable risk evaluation
WO 2021172976 A1	GEM REWARD SDN BHD	A revenue allocation system
WO 2021145979 A1	CAPITAL ONE SERVICES LLC	Securing a cardless atm authentication through position detection
WO 2021154981 A1	R3 LTD	Notary system for a distributed ledger
WO 2021161168 A1	TERAOKA SEIKO KK	Self-checkout system and self-checkout method
WO 2021161275 A1	AL QASIMI SHAIKH ABDULLA MOHAMED KHALID AHMED	Computer architecture and method for single and consolidated real-time processing of event complex computing network
WO 2021126167 A1	VISA INT SERVICE ASS	System, method, and computer program product for authenticating a device based on an application profile
WO 2021162973 A1	VISA INT SERVICE ASS	Network based testing of mobile device kernels system and method
WO 2021118055 A1	CREFUN CO LTD	Omni-channel shopping base-type order payment system and method
WO 2021138048 A1	VISA INT SERVICE ASS	Low cost method and system to enable an unattended device to accept card present transactions
WO 2021163139 A1	VISA INT SERVICE ASS	Method and system for non-monolithic contactless acceptance on mobile devices
WO 2021167382 A1	ALINK CO LTD	System and method for transmitting information using mobile terminal

WO 2021144480 A1	YAQUES GONZALEZ JORGE SEBASTIAN	Sales management system for restaurants and the like
WO 2021137482 A1	ESTORM CO LTD	Method for authentication and information processing between terminals, using proximate sensing
WO 2021140987 A1	SATO HOLDINGS KK	Sales management system and sales management method
WO 2021145606 A1	SAMSUNG ELECTRONICS CO LTD	User apparatus and manager apparatus included in blockchain network and controlling method thereof
WO 2021167326 A1	LOUNGELAB INC	Unmanned store operation method and unmanned store system using same
WO 2021161315 A1	WISESENSE LTD	Device, system and method for securing an item
WO 2021146529 A1	ALIBABA GROUP HOLDING LTD	Processing unit, electronic device, and security control method
WO 2021133498 A1	CAPITAL ONE SERVICES LLC	Authentication for third party digital wallet provisioning
WO 2021163173 A1	VISA INT SERVICE ASS	Method and system for adaptive transceiver in mobile devices
WO 2021157911 A1	SHOPONAIR CO LTD	Method for managing daily living-related information accompanying offline transaction, device for transmitting information for management of daily living-related information accompanying offline transaction, method for certifying validity of offline transaction, and device for transmitting information for certification of validity of offline transaction
WO 2021157852 A1	ESTORM CO LTD	General-purpose service authentication method and platform therefor
WO 2021158076 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and encryption method for electronic device
WO 2021138722 A1	TAX CORE PTY LTD	System and method of arranging engagement between consultants and consumers and facilitating transactions
WO 2021146727 A1	MX TECH INC	Payment processing
WO 2021177918 A1	KARTEK KART VE BILISIM TEKNOLOJILERI TICARET ANONIM SIRKETI	System and method verifying card holder with one time password in software based pos's

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BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2021176006 A1	CONTINENTAL AUTOMOTIVE GMBH	Method for ultra high frequency continuous communication and location of a portable device for "hands-free" access to a motor vehicle
WO 2021176947 A1	SONY GROUP CORP	Information processing apparatus and information processing method
WO 2021050047 A1	GOOGLE LLC	Location-based mode(s) for biasing provisioning of content when an automated assistant is responding to condensed natural language inputs
WO 2021179019 A1	DIGITAL SEAT MEDIA INC	System and method for location-based individualized content and mobile wallet offers
WO 2021161958 A1	mitsubishi electric corp	Communication system, communication terminal, and network
WO 2021136739 A1	GN AUDIO AS	Headset and application control based on location data
WO 2021155856 A1	HUAWEI TECH CO LTD	Method, apparatus and system for determining location of mobile device
WO 2021156270 A1	ERICSSON TELEFON AB L M	Group management for v2x groupcast
WO 2021168352 A1	NEXTGEN MONETIZATION TRUST	Multi-usage configuration table for performing biometric validation of a user to activate an integrated proximity-based module
WO 2021158165 A1	ERICSSON TELEFON AB L M	Relative positioning assistance information
WO 2021151527 A1	BAYERISCHE MOTOREN WERKE AG	Apparatus, method and computer program for a vehicle
WO 2021158289 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Location based emergency alert
WO 2021136301 A1	HUAWEI TECH CO LTD	Communication method and apparatus
WO 2021163300 A1	MAGIC LEAP INC	Cross reality system with map processing using multi-resolution frame descriptors
WO 2021125631 A1	LG ELECTRONICS INC	Method and apparatus for efficient assistance data transfer in nr positioning
WO 2021132754 A1	JAESANG ELECTRONICS	Mobility equipment relocation method and advertisement method using mobility equipment relocation
WO 2021141429 A1	INTELLECTUAL DISCOVERY CO LTD	Method, apparatus, and computer program for connectionless asset tracking in wireless communication system, and recording medium thereof
WO 2021156879 A1	HABITECH LTD	Method and apparatus for location-based crowdfunding
WO 2021154418 A1	TUCKMAN JONAH TAL	System and method for mobile advertising

[..ver más](#)

TELEVISIÓN MÓVIL

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2021137429 A1	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus and control method thereof
WO 2021117954 A1	LG ELECTRONICS INC	Display device
WO 2021141330 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and control method thereof
WO 2021137558 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and control method thereof
WO 2021141332 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and control method thereof
WO 2021125460 A1	SAMSUNG ELECTRONICS CO LTD	Method and apparatus for predicting recommendations based on application requirement in an electronic device
WO 2021137372 A1	SAMSUNG ELECTRONICS CO LTD	Display device and method for controlling thereof
WO 2021162342 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and control method thereof

[..ver más](#)

OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2021175266 A1	HUAWEI TECH CO LTD	Identity verification method and apparatus, and electronic devices
WO 2021175247 A1	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP LTD	Method and system of simultaneous media capturing and displaying at electronic device
WO 2021183405 A1	FACEBOOK TECH LLC	Systems and methods for prioritized edca channel access
WO 2021146392 A1	X DEV LLC	Electrical power grid visualization
WO 2021156758 A1	VIBER MEDIA S A R L	System and method for voice call connection from an ott network
WO 2021136958 A1	AUTHENTICK B V	System and method for providing augmented virtuality
WO 2021155471 A1	MASTERCARD TECH CANADA ULC	Automated web traffic anomaly detection
WO 2021158425 A1	MICRON TECHNOLOGY INC	Configuring a host interface of a memory device based on mode of operation
WO 2021145473 A1	LG ELECTRONICS INC	Mobile terminal and control method therefor
WO 2021129742 A1	ONEPLUS TECH SHENZHEN CO LTD	Network data recovery method and device, and mobile terminal
WO 2021158068 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for operating clipboard of electronic device
WO 2021168468 A1	INNOPEAK TECH INC	Method and system for flexible graphics enhancement and execution
WO 2021141474 A1	SAMSUNG ELECTRONICS CO LTD	Method and device of launching an application in background
WO 2021145855 A1	HEWLETT PACKARD DEVELOPMENT CO	Face orientation-based cursor positioning on display screens
WO 2021163757 A1	DYMENSA PTY LTD	System and method for implementing a personal virtual data network (pvdn)
WO 2021150797 A1	CXN INC	Interactive remote selection and ordering of wholesale fashion items
WO 2021158785 A1	FULPRUF TECH CORPORATION	Vehicle supply chain damage tracking system

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