

Boletín VT

SERVICIOS E INTERFACES AVANZADOS MÓVILES

4.º trimestre 2022

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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 2022206763 A1	HUAWEI TECH CO LTD	Display method, electronic device, and system
WO 2022211270 A1	SAMSUNG ELECTRONICS CO LTD	Mobile terminal device, electronic device, server, system, and control method of same
WO 2022186477 A1	SAMSUNG ELECTRONICS CO LTD	Content playback method and electronic device supporting same
WO 2022206530 A1	TENCENT TECH SHENZHEN CO LTD	Multimedia playback method and apparatus, terminal, and storage medium
WO 2022197282 A1	GOOGLE LLC	Devices for gesture detection that incorporate ultra-wideband (uwb) transceivers
WO 2022198012 A1	INNOPEAK TECH INC	Multi-layer text input method for augmented reality devices
WO 2022216426 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Management of user interface elements based on historical configuration data
WO 2022215915 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and operating method thereof
WO 2022213831 A1	HUAWEI TECH CO LTD	Control display method and related device
WO 2022204614 A1	INNOPEAK TECH INC	Wrist-wearable controller for head-mounted device (hmd) or other user device with camera input
WO 2022206762 A1	HUAWEI TECH CO LTD	Display method, electronic device and system
WO 2022206645 A1	HUAWEI TECH CO LTD	Method and apparatus for scrolling to capture screenshot
WO 2022206681 A1	HUAWEI TECH CO LTD	Window display method and related apparatus
WO 2022206704 A1	HUAWEI TECH CO LTD	Voice interaction method and electronic device
WO 2022213389 A1	SHENZHEN TRANSSION HOLDINGS CO LTD	Component display method, mobile terminal, and storage medium
WO 2022194881 A1	EYE	Method for performing a graphic operation on a group of graphic objects, computer system implementing said method
WO 2022206764 A1	HUAWEI TECH CO LTD	Display method, electronic device, and system
WO 2022209395 A1	SONY GROUP CORP	Information processing device, information processing method, and program
WO 2022222728 A1	HUAWEI TECH CO LTD	Text reading method and device
WO 2022220401 A1	SAMSUNG ELECTRONICS CO LTD	Method for executing application, and electronic device supporting same
WO 2022225993 A1	CUBIOS INC	Graphical user interface for transformable display
WO 2022225886 A1	META PLATFORMS TECH LLC	Wrist-wearable device for automatically switching between video and other calling modes based on sensor data at the wrist-wearable device, head-worn wearable devices for use therewith and for coordinated video capturing with the wrist-wearable device, and methods of use thereof
WO 2022260851 A2	APPLE INC	Digital identification credential user interfaces
WO 2022236784 A1	CITRIX SYSTEMS INC	Smart screen rotation based on facial analysis

WO 2022194119 A1	BEIJING BYTEDANCE NETWORK TECH CO LTD	Object display method and apparatus, electronic device, and storage medium
WO 2022222872 A1	HUAWEI TECH CO LTD	Interface display method, related apparatus, device, and readable storage medium
WO 2022240510 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Intelligent content display for network-based communications
WO 2022222831 A1	HUAWEI TECH CO LTD	Graphical interface display method, electronic device, medium, and program product
WO 2022261830 A1	CITRIX SYSTEMS INC	Mechanisms for secure user input
WO 2022266574 A1	CITRIX SYSTEMS INC	Transparent application window
WO 2022222771 A1	HUAWEI TECH CO LTD	Interface display method, electronic device and computer-readable medium
WO 2022256195 A1	APPLE INC	Aggregated content item user interfaces
WO 2022217969 A1	HUAWEI TECH CO LTD	Method and apparatus for enabling function in application
WO 2022188588 A1	BEIJING BYTEDANCE NETWORK TECH CO LTD	Interaction method and apparatus, electronic device, and computer readable storage medium
WO 2022189925 A1	IBM	Generating natural languages interface from graphic user interfaces
WO 2022259156 A1	SOUND PARTICLES S A	System and method for 3d sound placement
WO 2022222866 A1	PETAL CLOUD TECH CO LTD	Content display method and electronic device
WO 2022254413 A1	FADLALLAH ZOUHEIR TAHER	Capturing touchless inputs and controlling an electronic device with the same
WO 2022222752 A1	HUAWEI TECH CO LTD	Display method and related apparatus
WO 2022238265 A1	TWYN LTD	Video-based conversational interface
WO 2022188766 A1	PETAL CLOUD TECH CO LTD	Application display method and electronic device
WO 2022188761 A1	BEIJING BYTEDANCE NETWORK TECH CO LTD	Support interaction method and electronic device
WO 2022222931 A1	HUAWEI TECH CO LTD	Graphical interface display method, electronic device, medium, and program product
WO 2022222688 A1	HUAWEI TECH CO LTD	Window control method and device
WO 2022248055 A1	ERICSSON TELEFON AB L M	One-handed scaled down user interface mode
WO 202227984 A1	HUAWEI TECH CO LTD	Display control method, electronic device, and computer storage medium
WO 2022228139 A1	TENCENT TECH SHENZHEN CO LTD	Video presentation method and apparatus, and computer-readable medium and electronic device
WO 2022245599 A1	APPLE INC	Devices, methods, and graphical user interfaces for automatically providing shared content to applications
WO 2022228101 A1	HUAWEI TECH CO LTD	Screen capturing method, graphical interface, and electronic device
WO 2022252031 A1	SHENZHEN TRANSSION HOLDINGS CO LTD	Display method for application, mobile terminal, and storage medium
WO 2022227978 A1	HUAWEI TECH CO LTD	Display method and related apparatus
WO 2022228004 A1	HUAWEI TECH CO LTD	Method for restoring window in multi-screen collaboration process, electronic device, and system
WO 2022250867 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Management of message threads generated from an intra-message split
WO 2022228582 A1	HUAWEI TECH CO LTD	Shortcut operation method and mobile terminal
WO 2022243498 A1	ICA AESTHETIC NAVIGATION GMBH	Computer-based body part analysis methods and systems
WO 2022248056 A1	ERICSSON TELEFON AB L M	One-handed operation of a device user interface

WO 2022261008 A2	APPLE INC	Devices, methods, and graphical user interfaces for interacting with a web-browser
WO 2022222773 A1	HUAWEI TECH CO LTD	Image capture method, and related apparatus and system
WO 2022228066 A1	HUAWEI TECH CO LTD	Interface switching method and electronic device
WO 2022265764 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Companion devices as productivity tools
WO 202227922 A1	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP LTD	Application switching method and apparatus, electronic device, and storage medium
WO 2022250874 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Controlled display of related message threads
WO 2022236747 A1	SHENZHEN TRANSSION HOLDINGS CO LTD	Display method, mobile terminal, and storage medium
WO 2022252810 A1	HUAWEI TECH CO LTD	Display mode switching method and apparatus, and electronic device and medium
WO 2022241695 A1	SHENZHEN TRANSSION HOLDINGS CO LTD	Processing method, mobile terminal, and storage medium
WO 2022252926 A1	HONOR DEVICE CO LTD	Display method, graphical interface, and related apparatus
WO 2022242411 A1	TENCENT TECH SHENZHEN CO LTD	Virtual item distribution method and apparatus, device, medium and program product
WO 2022251978 A1	SANOY CORY ERNEST	Speech input to user interface controls
WO 2022247466 A1	HUAWEI TECH CO LTD	Resource display method, terminal and server
WO 2022261097 A1	ROBLOX CORP	Computer-assisted graphical development tools
WO 2022252822 A1	APPLE INC	User interfaces for managing visual content in media
WO 2022251066 A1	PEER INC	Dynamic content delivery based on user movement using a multi-dimensional fabric interface
WO 2022252819 A1	HUAWEI TECH CO LTD	Entry method, electronic device, and storage medium
WO 2022245850 A1	APPLE INC	Devices, methods, and graphical user interfaces for displaying media items shared from distinct applications
WO 2022255939 A1	LEMON INC	Video processing method and device
WO 2022247614 A1	HUAWEI TECH CO LTD	Method for displaying multiple interfaces, and electronic device
WO 2022242487 A1	HUAWEI TECH CO LTD	Display method and related device
WO 2022242408 A1	HUAWEI TECH CO LTD	Display method and terminal device
WO 2022252788 A1	HUAWEI TECH CO LTD	Control method and electronic device
WO 2022246411 A2	APPLE INC	User interfaces for entity status
WO 2022247678 A1	HUAWEI TECH CO LTD	Dragging method and electronic device
WO 2022254409 A1	RESMED PTY LTD	System and method for providing customized headwear based on facial images
WO 2022237316 A1	HONOR DEVICE CO LTD	Display method and electronic device
WO 2022237308 A1	HONOR DEVICE CO LTD	Display method and electronic device
WO 2022237315 A1	HONOR DEVICE CO LTD	Display method and electronic device
WO 2022237317 A1	HONOR DEVICE CO LTD	Display method and electronic device

[...ver más](#)

SERVICIOS MÓVILES AVANZADOS

REDES SOCIALES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2022212148 A1	SNAP INC	User presence indication data management
WO 2022212669 A1	SNAP INC	Determining classification recommendations for user content
WO 2022212325 A1	META PLATFORMS TECH LLC	Egocentric pose estimation from human vision span
WO 2022272270 A1	SNAP INC	Viewfinder ring flash
WO 2022212577 A1	SNAP INC	Inclusive camera
WO 2022225760 A1	SNAP INC	Emoji-first messaging
WO 2022195322 A1	ONE GAME STUDIO S A P I D E C V	System and method for the interaction of at least two users in an augmented reality environment for a videogame
WO 2022225777 A1	SNAP INC	Client device processing received emoji-first messages
WO 2022256601 A1	TWITTER INC	Messaging system
WO 2022225354 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for sharing information and operation method thereof
WO 2022251548 A1	BERNARDI LINDA	Selecting supplemental audio segments based on video analysis
WO 2022231909 A1	SNAP INC	Displaying virtual digital objects generated using blockchain technology
WO 2022251498 A1	IDS TECH LLC	Systems and methods for automatic generation of social media networks and interactions
WO 2022250646 A1	DRIVING MAN SYSTEMS INC	Mobile device distraction management

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PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2022186936 A1	MASTERCARD INTERNATIONAL INC	Systems and methods for use in managing complex user credentials
WO 202216724 A1	EVERYWARE WORLDWIDE INC	Payment system and method
WO 202216216 A1	CRUNCHFISH DIGITAL CASH AB	Method and system for offline electronic card payments
WO 2022203643 A1	KUVEYT TUERK KATILIM BANKASI ANONIM SIRKETI	Method of blocking/reserving money on the atm device
WO 2022190839 A1	NTT DOCOMO INC	Authorization device
WO 2022200806 A1	REWIRE HOLDING LTD	System and method for a payments system
WO 2022203636 A1	TURKIYE GARANTI BANKASI ANONIM SIRKETI	A system for carrying out transactions of buying and selling foreign exchange according to a spread rate
WO 202212778 A1	SAVOR BRANDS INC	Systems and methods for augmented and virtual retail experiences
WO 2022198267 A1	A C N 602 586 952 PTY LTD	Contactless payment via mobile devices using hybrid communications approach
WO 202211786 A1	17LIVE USA CORP	System and method for data communication
WO 202213142 A1	BUDDYING UP PTY LTD	Relational-based online commerce system and method
WO 2022208364 A1	AMERICAN EXPRESS INDIA PRIVATE LTD	Natural language processing for categorizing sequences of text data
WO 202225739 A1	APPLE INC	Privacy proofing of secure element generated certificates
WO 202210336 A2	JVCKENWOOD CORP	Broadcasting contextual information through modification of audio and video interfaces
WO 202220570 A1	GHOST PASS INC	Payment method and payment system using user terminal or dedicated terminal installed in product transfer means
WO 202228726 A1	GIESECKE DEVRIENT MOBILE SECURITY GMBH	Payment solution, especially digital payment solution
WO 2022198548 A1	INTEL CORP	Passid granularity resource control for iommu
WO 202223964 A1	FORTISCUE DAVID	Apparatus for transmitting a request
WO 202228804 A1	ZAHNRADFABRIK FRIEDRICHSHAFEN	Automated recognition of fare dodgers
WO 2022208934 A1	BROTHER IND LTD	Recording system and program
WO 2022256776 A1	AMERICAN EXPRESS TRAVEL RELATED SERVICES CO INC	Hosted point-of-sale service
WO 202220777 A1	TURKIYE GARANTI BANKASI ANONIM SIRKETI	A campaign system for use of overdraft account
WO 2022240484 A1	CAPITAL ONE SERVICES LLC	Systems and techniques to utilize an active link in a uniform resource locator to perform a money exchange
WO 2022231275 A1	HAREX INFOTECH INC	Method for issuing electronic cash receipt using mobile device of customer
WO 2022233900 A1	PAYFREE GMBH	Electronic retail self-checkout system
WO 2022260197 A1	GEOPLAN CO LTD	Public transportation payment method and system using uwb
WO 2022209555 A1	YAZAKI CORP	Charging device use system, server, and program for charging device use system
WO 2022240395 A1	JPMORGAN CHASE BANK NA	Method and system for processing subpoena documents
WO 2022232809 A1	VERIFONE INC	Systems and methods for cryptocurrency payments
WO 2022256710 A2	GIGA TECH	Automated support for freelancers
WO 202225780 A1	MASTERCARD INTERNATIONAL INC	Split integrator model for facilitating purchase transactions
WO 202211785 A1	17LIVE USA CORP	System and method for message distribution
WO 202228403 A1	PETAL CLOUD TECH CO LTD	Page display method and apparatus

WO 2022225496 A1	TURKIYE GARANTI BANKASI ANONIM SIRKETI	A prenuptial agreement system
WO 2022256323 A1	OMEGA ORTEGA	System and method for conducting commerce with an app
WO 2022255991 A1	VERIFONE INC	Systems and methods for payment terminal accessibility using mobile electronic devices
WO 2022245242 A1	RETAIL TECH & INNOVATION B V	Self-service shopping device
WO 2022251734 A2	VENEZIA NICHOLAS M	Smart contract system and method for managing digital user engagement
WO 2022245565 A1	ABLOW KEITH	System of funding for advertisements and method of using the same
WO 2022235433 A1	BREX INC	Multifactor authentication through cryptography-enabled smart cards
WO 2022251337 A1	VISA INT SERVICE ASS	User verification with digital tag
WO 2022241197 A1	ZENUS BANK INT INC	System and method for onboarding account customers
WO 2022235887 A1	JPMORGAN CHASE BANK NA	Method and system for autonomous portfolio platform management
WO 2022245691 A1	ZEBRA TECH CORP	Payment accessory integration system for mobile computing devices
WO 2022245693 A1	ENVERUS INC	Determining a financial advance from hydrocarbon well royalties
WO 2022186936 A1	MASTERCARD INTERNATIONAL INC	Systems and methods for use in managing complex user credentials

[..ver más](#)

BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2022209371 A1	NAT INST INF & COMM TECH	Information processing system, information processing method, and information processing program
WO 2022211959 A1	SKYHOOK WIRELESS INC	Crowd sourced beacon altitudes for 3d positioning
WO 2022209473 A1	SONY GROUP CORP	Information processing apparatus, information processing method, information processing program, and information processing system
WO 2022191765 A1	NORDIC FRAMEWORKS AB	Arrangement for managing, and communicating, an electronic key, and a system comprising the arrangement
WO 2022208905 A1	SONY GROUP CORP	Information processing device, information processing method, information processing program, and information processing system
WO 2022258197 A1	NOKIA TECHNOLOGIES OY	Positioning signal management in sidelink capable networks
WO 2022233211 A1	HUAWEI TECH CO LTD	Ephemeris prediction method and ephemeris prediction apparatus
WO 2022240196 A1	SAMSUNG ELECTRONICS CO LTD	Method and electronic device for providing user interface based on relative location between devices
WO 2022240499 A1	QUALCOMM INC	On-demand positioning reference signal configuration
WO 2022260490 A1	SAMSUNG ELECTRONICS CO LTD	Method and system for selecting gate using positioning information
WO 2022234437 A1	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP LTD	Positioning measurement mechanism and methods of operating the same
WO 2022251532 A1	PEER INC	Accessing content using time, topic, and location to transition between display modes
WO 2022255649 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for performing ranging operation

[..ver más](#)

TELEVISIÓN MÓVIL

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

WO 2022206600 A1	HUAWEI TECH CO LTD	Screen projection method and system, and related apparatus
WO 202215910 A1	SAMSUNG ELECTRONICS CO LTD	Screen sharing method and electronic device therefor
WO 2022194005 A1	HUAWEI TECH CO LTD	Control method and system for synchronous display across devices
WO 2022265448 A1	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus for searching for application screen and method for operating same
WO 2022261612 A1	APPLE INC	User interfaces and associated systems and processes for controlling playback of content
WO 2022261613 A1	APPLE INC	User interfaces for displaying content recommendations for a group of users
WO 2022234871 A1	LG ELECTRONICS INC	Sound field control device and method
WO 2022260876 A1	APPLE INC	User interfaces for audio routing
WO 2022192064 A1	QUINTAR INC	Augmented reality system for viewing an event with multiple coordinate systems and automatically generated model
WO 2022261586 A1	CITRIX SYSTEMS INC	Interactive display devices in extended reality environments
WO 2022252939 A1	HUAWEI TECH CO LTD	Desktop sharing method and electronic device
WO 2022192066 A1	QUINTAR INC	Augmented reality system for viewing an event with distributed computing
WO 2022260196 A1	LG ELECTRONICS INC	Image display device and image display system comprising same
WO 2022228214 A1	HUAWEI TECH CO LTD	Device discovery method and system and electronic device
WO 2022250963 A1	NIELSEN CO US LLC	Methods, apparatus, and articles of manufacture to identify candidates for media asset qualification
WO 2022235685 A1	UNIQUIFY INC	Systems and methods involving artificial intelligence and cloud technology for edge and server soc

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OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
WO 2022208537 A1	KUMAR NANGIA RAJENDER	Method and system for providing smart calling platform
WO 2022272266 A1	LISNR	Systems and methods for enabling voice-based transactions and voice-based commands
WO 2022192561 A1	SONY INTERACTIVE ENTERTAINMENT INC	Changing response window for interactive content using user's reaction time
WO 2022197683 A1	BRANCH METRICS INC	On-device functionality using remote system updates
WO 2022194530 A1	IBM	Optimized electronic conference system
WO 202221851 A1	APPLE INC	Methods for providing an immersive experience in an environment
WO 2022240515 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Determining opening/closing of computing device
WO 2022241402 A1	SONOS INC	Authorization management in a media playback system
WO 202223741 A1	HEARABLE LABS UG HAFTUNGSBESCHR AENKT	Wearable control system and method to control an ear-worn device
WO 2022232779 A1	WAYNE FUELING SYSTEMS LLC	Methods and systems for intelligent electronic inventory management
WO 2022188875 A1	BEIJING BYTEDANCE NETWORK TECH CO LTD	Interaction method and device, storage medium and computer program product
WO 202220955 A1	ARRIS ENTPR LLC	Tagging home network devices based on user activity
WO 2022245339 A1	GOOGLE LLC	Indexing application actions for voice-based execution
WO 202222056 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Synthetic speech detection
WO 202220559 A1	SAMSUNG ELECTRONICS CO LTD	Electronic device for processing user utterance and control method thereof
WO 2022232673 A1	CAPITAL ONE SERVICES LLC	Computer-based systems involving machine learning associated with generation of recommended content and methods of use thereof
WO 2022236111 A1	SANAS AI INC	Real-time accent conversion model
WO 2022250868 A1	MICROSOFT TECHNOLOGY LICENSING LLC	Dynamic control of access permissions for split message threads of a communication system
WO 2022226938 A1	HUAWEI TECH CO LTD	Software upgrade method and related product
WO 202218153 A1	GUANGZHOU SHIYUAN ELECTRONICS CO LTD	Screen projection control method, storage medium, and communication device
WO 2022239946 A1	SAMSUNG ELECTRONICS CO LTD	Method and apparatus for user authentication
WO 2022242393 A1	HUAWEI TECH CO LTD	Control method and apparatus, electronic device, and readable storage medium

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Los ITPs** de la OEPM nos han ahorrado horas de revisión bibliográfica para definir el punto de partida de nuestros proyectos de I+D.



EJECUCIÓN



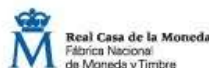
Los ITPs** de la OEPM detectaron solicitudes de patente relevantes cuando estábamos a mitad del proyecto y gracias a ello pudimos reconducir nuestra investigación.



CONCLUSIÓN



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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