

# Boletín VT

## SERVICIOS E INTERFACES AVANZADOS MÓVILES

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# 49

### 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
<a href="#">WO 2022052776 A1</a>	HUAWEI TECH CO LTD	Human-computer interaction method, and electronic device and system
<a href="#">WO 2022052907 A1</a>	HUAWEI TECH CO LTD	Display method and electronic device
<a href="#">WO 2022055255 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device providing user interface, and method therefor
<a href="#">WO 2022052908 A1</a>	HUAWEI TECH CO LTD	Display method and electronic device
<a href="#">WO 2022059863 A1</a>	BEMILY INC	Interactive emoticon generating device and method
<a href="#">WO 2021203118 A1</a>	SNAP INC	Identification of physical products for augmented reality experiences in a messaging system
<a href="#">WO 2022046193 A1</a>	ARRIS ENTPR LLC	System and method of audible network device configuration
<a href="#">WO 2022050772 A1</a>	SAMSUNG ELECTRONICS CO LTD	Preview drawing method and electronic device therefor
<a href="#">WO 2022008067 A1</a>	ERICSSON TELEFON AB L M	Visual feedback from a user equipment
<a href="#">WO 2022037818 A1</a>	CISPA HELMHOLTZ ZENTRUM FUER INFORMATIONSSICHERHEIT GGMBH	Device and method for interaction with a graphical user interface and for testing an application
<a href="#">WO 2022048776 A1</a>	ERICSSON TELEFON AB L M	A computer software module arrangement, a circuitry arrangement, an arrangement and a method for an improved user interface
<a href="#">WO 2022033379 A1</a>	HUAWEI TECH CO LTD	Media information transmission method and apparatus
<a href="#">WO 2022055533 A1</a>	GOOGLE LLC	Document creation and editing via automated assistant interactions
<a href="#">WO 2021257057 A1</a>	GOOGLE LLC	Formulated query on portable device
<a href="#">WO 2021258872 A1</a>	ZTE CORP	Interface display method and device, and computer readable storage medium
<a href="#">WO 2022048367 A1</a>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP LTD	Method and apparatus for displaying multimedia content, and terminal and storage medium
<a href="#">WO 2021257119 A1</a>	ROVI GUIDES INC	Systems and methods for navigating content
<a href="#">WO 2021257871 A1</a>	APPLE INC	Dynamic application content on home screen
<a href="#">WO 2022046151 A1</a>	GOOGLE LLC	Initiating a computing device interaction mode using off-screen gesture detection
<a href="#">WO 2021258014 A1</a>	APPLE INC	User interfaces for presenting indications of incoming calls
<a href="#">WO 2022032673 A1</a>	SHANGHAI TRANSSION CO LTD	Device control method and apparatus, and storage medium
<a href="#">WO 2021257071 A1</a>	GOOGLE LLC	Radar-based touch interface
<a href="#">WO 2022046805 A1</a>	UIPATH INC	Web based viewing of robotic process automation (rpa) packages and workflows
<a href="#">WO 2021236655 A1</a>	APPLE INC	User interfaces for reporting incidents
<a href="#">WO 2021258319 A1</a>	SHENZHEN TRANSSION HOLDINGS CO LTD	Application window display method, terminal device, and storage medium
<a href="#">WO 2021231598 A1</a>	DIGITS FINANCIAL INC	System and method for detecting and resizing a window for improved content delivery
<a href="#">WO 2022052671 A1</a>	HUAWEI TECH CO LTD	Method for displaying window, method for switching windows, electronic device, and system
<a href="#">WO 2022055753 A1</a>	APPLE INC	User interfaces for indicating distance

<a href="#">WO 2022001619 A1</a>	HUAWEI TECH CO LTD	Screenshot method and electronic device
<a href="#">WO 2022042311 A1</a>	HUAWEI TECH CO LTD	Data sharing method, graphical user interface, related device, and system
<a href="#">WO 2022002213 A1</a>	HUAWEI TECH CO LTD	Translation result display method and apparatus, and electronic device
<a href="#">WO 2022037600 A1</a>	ONEPLUS TECH SHENZHEN CO LTD	Abstract recording method and apparatus, and computer device and storage medium
<a href="#">WO 2022037639 A1</a>	HUAWEI TECH CO LTD	Method for starting up task, and electronic device
<a href="#">WO 2022046431 A1</a>	BUILDING ROBOTICS INC	Systems and methods for providing dynamic building interfaces
<a href="#">WO 2022042285 A1</a>	HUAWEI TECH CO LTD	Method for displaying interface of application program and electronic device
<a href="#">WO 2022010542 A1</a>	BOTWICK NATE	Sharing of collaborative documents with users via instant messaging
<a href="#">WO 2022037533 A1</a>	IBM	Failed user-interface resolution
<a href="#">WO 2021256614 A1</a>	MINDS LAB INC	Method for generating speaker-marked text
<a href="#">WO 2022001612 A1</a>	ZTE CORP	Lock screen display processing method, terminal, and storage medium
<a href="#">WO 2022010158 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for operating electronic device
<a href="#">WO 2022037463 A1</a>	HUAWEI TECH CO LTD	Function switching entry determining method and electronic device
<a href="#">WO 2022048461 A1</a>	HUAWEI TECH CO LTD	Navigation bar display method, display method and first electronic device
<a href="#">WO 2022002389 A1</a>	ERICSSON TELEFON AB L M	User device for displaying a user-interface object and method thereof
<a href="#">WO 2022047214 A2</a>	CARNELIAN LABORATORIES LLC	Digital assistant control of applications
<a href="#">WO 2021231262 A1</a>	DELTA MEDIA GROUP INC	Method and system for calling/executing an action from an outside application within an existing open application
<a href="#">WO 2022042326 A1</a>	HUAWEI TECH CO LTD	Display control method and related apparatus
<a href="#">WO 2021260650 A1</a>	GLANCE INMOBI PTE LTD	Generating personalized content for presentation on user devices
<a href="#">WO 2022037586 A1</a>	ONEPLUS TECH SHENZHEN CO LTD	Application icon processing method and device, and mobile terminal
<a href="#">WO 2022037408 A1</a>	HUAWEI TECH CO LTD	Display method and electronic device
<a href="#">WO 2022001279 A1</a>	HUAWEI TECH CO LTD	Cross-device desktop management method, first electronic device, and second electronic device
<a href="#">WO 2022042163 A1</a>	HUAWEI TECH CO LTD	Display method applied to electronic device, and electronic device
<a href="#">WO 2022042469 A1</a>	HUAWEI TECH CO LTD	Video telephone calling method, terminal device, and storage medium
<a href="#">WO 2022026024 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Graphical user interface control for dual displays
<a href="#">WO 2022042656 A1</a>	HUAWEI TECH CO LTD	Interface display method, and device
<a href="#">WO 2021247446 A1</a>	APPLE INC	User interfaces for transitioning between selection modes
<a href="#">WO 2022040976 A1</a>	ARRIS ENTPR LLC	Unified graphical user interface for devices in a wireless network
<a href="#">WO 2021259266 A1</a>	ONEPLUS TECH SHENZHEN CO LTD	Switch display method and apparatus in setting interface, electronic device, and storage medium
<a href="#">WO 2022042768 A1</a>	HONOR DEVICE CO LTD	Index display method, electronic device, and computer readable storage medium
<a href="#">WO 2022017393 A1</a>	HUAWEI TECH CO LTD	Display interaction system, display method, and device
<a href="#">WO 2021242495 A1</a>	MICRON TECHNOLOGY INC	Managing user-interface parameter for mobile device
<a href="#">WO 2022007678 A1</a>	HUAWEI TECH CO LTD	Method for opening file, and device
<a href="#">WO 2022003066 A1</a>	SPHERE RES LTD	User interface
<a href="#">WO 2022027190 A1</a>	TRANSSION HOLDINGS CO LTD	Interaction method, mobile terminal and storage medium
<a href="#">WO 2021252160 A1</a>	APPLE INC	Presenting avatars in three-dimensional environments

<a href="#">WO 2022005075 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for providing augmented reality
<a href="#">WO 2021249281 A1</a>	HUAWEI TECH CO LTD	Interaction method for electronic device, and electronic device
<a href="#">WO 2022017328 A1</a>	HUAWEI TECH CO LTD	Method for displaying lock screen interface of electronic device and electronic device
<a href="#">WO 2022023969 A1</a>	DIGITAL TURBINE INC	Dynamically replacing interactive content of a quick setting bar
<a href="#">WO 2022021068 A1</a>	SHENZHEN TRANSSION HOLDINGS CO LTD	Locked-screen interaction method, mobile terminal and computer storage medium
<a href="#">WO 2021247226 A1</a>	MICRON TECHNOLOGY INC	Managing accessibility features for mobile device
<a href="#">WO 2022028348 A1</a>	HUAWEI TECH CO LTD	Object detection method, electronic device and computer-readable storage medium
<a href="#">WO 2022019636 A1</a>	SAMSUNG ELECTRONICS CO LTD	Method for performing virtual user interaction, and device therefor
<a href="#">WO 2022006162 A1</a>	SNAP INC	Analyzing augmented reality content usage data
<a href="#">WO 2022031032 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device and method of displaying visual information in theme content
<a href="#">WO 2022028290 A1</a>	HUAWEI TECH CO LTD	Method for interaction between devices based on pointing operation, and electronic device
<a href="#">WO 2021247872 A1</a>	APPLE INC	Camera and visitor user interfaces
<a href="#">WO 2022025606 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for controlling audio volume thereof

[...ver más](#)

# SERVICIOS MÓVILES AVANZADOS

## REDES SOCIALES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2022060501 A1</a>	FACEBOOK TECH LLC	Systems and methods for predicting lower body poses
<a href="#">WO 2022026553 A1</a>	ARKADE INC	Systems and methods for latency-aware social networking
<a href="#">WO 2022051837 A1</a>	UPHABIT INC	Automated communications to introduce contacts in network manager software application
<a href="#">WO 2022050558 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus and controlling method therefor
<a href="#">WO 2021260421 A1</a>	HALO INNOVATIVE SOLUTIONS LLC	Systems and methods of facilitating live streaming of content on multiple social media platforms
<a href="#">WO 2022051836 A1</a>	UPHABIT INC	Integration with social media profiles
<a href="#">WO 2022052944 A1</a>	IBM	Recommending location and content aware filters for digital photographs
<a href="#">WO 2021242985 A1</a>	SNAP INC	Audio detection and subtitle presence
<a href="#">WO 2021255909 A1</a>	NEC CORP	System for determining ordinariness/unusualness of posting position
<a href="#">WO 2022046358 A1</a>	FACEBOOK TECH LLC	Managing content items in augmented reality environment
<a href="#">WO 2022046731 A1</a>	NG PETER	Image-based file and media loading
<a href="#">WO 2022046001 A1</a>	AKDAG CEMIL	Conscious book interpretation and scoring system and application method
<a href="#">WO 2021240500 A1</a>	NETSPARK LTD	Real time local filtering of on-screen images
<a href="#">WO 2022031495 A1</a>	GARZA JUSTINO JR	Digital contact data management and distribution systems and methods
<a href="#">WO 2021237088 A1</a>	SNAP INC	Featured content collection interface

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## PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2022054574 A1</a>	SONY GROUP CORP	Information processing device, mobile terminal, and information processing method
<a href="#">WO 2022061081 A1</a>	THATGAMECOMPANY INC	System, method, and smart device for authentication of products and interaction with a virtual environment
<a href="#">WO 2022054379 A1</a>	FUJI ELECTRIC CO LTD	Vending machine system
<a href="#">WO 2021255674 A1</a>	GOLDMAN SACHS & CO LLC	Self-service automated sweeps
<a href="#">WO 2022005424 A2</a>	KUVEYT TUERK KATILIM BANKASI AS	Atm cash control system and method
<a href="#">WO 2022046267 A1</a>	INTUIT INC	Card reader based payment transactions from a web browser
<a href="#">WO 2022046500 A1</a>	MASTERCARD INTERNATIONAL INC	Payment authentication using os-based and issuer-based authenticator applications
<a href="#">WO 2022047582 A1</a>	CENTIGRAM INT LTD	Blockchain-based technologies for secure offline transaction processing
<a href="#">WO 2022053987 A1</a>	GOZCU EMRAH	Methods and systems to identify and generate extendable identifier code
<a href="#">WO 2022053834 A1</a>	VOICE BIOMETRICS LTD	A computer implemented method
<a href="#">WO 2022055939 A1</a>	HERACLES HOLDINGS INC	System and method for ephemeral compute with payment card processing
<a href="#">WO 2022051845 A1</a>	MASTERCARD TECH CANADA ULC	Configurable data container for fraud detection system
<a href="#">WO 2022039825 A1</a>	BLOCK INC	Customer-device application sites accessible via merchant-managed identifiers
<a href="#">WO 2022008231 A1</a>	THALES DIS FRANCE SA	Secure end-to-end pairing of secure element to mobile device
<a href="#">WO 2022036124 A1</a>	PIPER NETWORKS INC	Positional ticketing
<a href="#">WO 2022046265 A1</a>	INTUIT INC	Card reader based payment transactions from a web browser
<a href="#">WO 2022053951 A1</a>	PAYPAL INC	Techniques for single round multi-party computation for digital signatures
<a href="#">WO 2021255949 A1</a>	LINE CORP	Program, information processing method, terminal, and server
<a href="#">WO 2021258941 A1</a>	BOE TECHNOLOGY GROUP CO LTD	Texture recognition apparatus and electronic apparatus
<a href="#">WO 2022011195 A1</a>	VISA INT SERVICE ASS	Engine for configuring authentication of access requests
<a href="#">WO 2021258957 A1</a>	BOE TECHNOLOGY GROUP CO LTD	Texture recognition apparatus and electronic apparatus
<a href="#">WO 2022012914 A1</a>	LEFLOND SEBASTIEN	Method for managing transactions for the purchase of at least one bulk product and device for implementing same
<a href="#">WO 2022040668 A1</a>	ECOATM LLC	Evaluating an electronic device using optical character recognition
<a href="#">WO 2022032680 A1</a>	SHENZHEN TRANSSION HOLDINGS CO LTD	Operation method, terminal, and computer storage medium
<a href="#">WO 2022003474 A1</a>	FOOLFARM S P A	Electronic system and method for enabling payment of a good or service by means of voice commands
<a href="#">WO 2022010088 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device supporting mobile payment, operating method thereof, and storage medium thereof
<a href="#">WO 2022029102 A1</a>	SCHNEIDER ELIOTT SERGE	Payment method shared between debtors
<a href="#">WO 2022045575 A1</a>	SAMSUNG ELECTRONICS CO LTD	Method and device for determining forged fingerprint on basis of optoacoustic characteristic
<a href="#">WO 2022002696 A1</a>	SIEMENS AG	Devices, computer-implemented method and computer program product for identifying a digital twin for an object
<a href="#">WO 2021258035 A1</a>	NATE INC	Automating user purchases from web merchants on mobile devices
<a href="#">WO 2022010709 A1</a>	PAYPAL INC	Migration of electronic shopping carts between devices
<a href="#">WO 2022039867 A1</a>	MASTERCARD INTERNATIONAL INC	Card reader, smart card and method for processing a transaction

<a href="#">WO 2022047314 A1</a>	USARAD HOLDINGS INC	Automated risk of disease calculation system for mobile devices
<a href="#">WO 2022031794 A1</a>	WAYNE FUELING SYSTEMS LLC	Secure communications between fueling station components
<a href="#">WO 2022040762 A1</a>	POQ PTY LTD	Electronic payments systems, methods and apparatus
<a href="#">WO 2022034380 A1</a>	COUPANG CORP	Program interface remote management and provisioning
<a href="#">WO 2022045929 A1</a>	SMIRNOV ALEXANDR NIKOLAEVICH	Method for increasing the security of user access to an account in remote access mode
<a href="#">WO 2022047307 A1</a>	USARAD HOLDING INC	Web-based personalized health management system
<a href="#">WO 2022005446 A1</a>	VISA INT SERVICE ASS	System and techniques for automatic rapid benefit distribution
<a href="#">WO 2022015268 A2</a>	LYDIANS ELEKTRONIK PARA VE ODEME HIZMETLERI ANONIM SIRKETI	Account balance sharing system
<a href="#">WO 2022009963 A1</a>	FELICA NETWORKS INC	Information processing device, information processing method, program, and information processing system
<a href="#">WO 2022005762 A1</a>	CAPITAL ONE SERVICES LLC	System and method for handling point of sale card rejections
<a href="#">WO 2022039726 A1</a>	VISA INT SERVICE ASS	Rapid cryptocurrency transaction processing
<a href="#">WO 2022044858 A1</a>	NTT COMM CORP	Terminal device and settlement method
<a href="#">WO 2022011299 A1</a>	KWIKCLICK LLC	Mlm product based trees creates online store
<a href="#">WO 2022004339 A1</a>	LINE CORP	Program, information processing method, and terminal
<a href="#">WO 2022024631 A1</a>	FELICA NETWORKS INC	Information processing device, information processing system, information processing method, and program
<a href="#">WO 2022020523 A1</a>	VISA INT SERVICE ASS	Offline interaction system and method
<a href="#">WO 2022039609 A2</a>	DIVANTE SPOLKA Z OGRANICZONA ODPOWIEDZIALNOS CIA	A mobile payment system
<a href="#">WO 2022020560 A1</a>	ROBERTSON WILLIAM BENJAMIN	Circular polarization antenna for use in detecting presence within a strictly defined wireless zone
<a href="#">WO 2021247638 A1</a>	MASTERCARD INTERNATIONAL INC	Systems and methods for facilitating network messaging
<a href="#">WO 2022021388 A1</a>	SHENZHEN COMIX GROUP CO LTD	Mobile phone app-based e-commerce shopping system
<a href="#">WO 2022024521 A1</a>	FUJI ELECTRIC CO LTD	Automatic vending machine system and automatic vending machine
<a href="#">WO 2022030129 A1</a>	FUJI ELECTRIC CO LTD	Vending machine system
<a href="#">WO 2022005495 A1</a>	CARDLYTICS INC	System and methods for delivering targeted marketing offers to consumers via mobile application and online portals
<a href="#">WO 2022024865 A1</a>	BANDAI CO	Article provision method, article processing apparatus, article provision apparatus, program, and article provision system
<a href="#">WO 2022025676 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device for supplying power, and operating method therefor
<a href="#">WO 2022020960 A1</a>	MASTERCARD TECH CANADA ULC	Identification of anomalous payment terminals
<a href="#">WO 2022019459 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device, and method by which electronic device performs mobile payment through online authentication
<a href="#">WO 2022026662 A1</a>	MASTERCARD INTERNATIONAL INC	Biometric tokenized networks
<a href="#">WO 2022027069 A1</a>	VERIFONE INC	Systems and methods for touchless alternate payment provider selection at kiosks or payment terminals using mobile electronic devices
<a href="#">WO 2022031584 A1</a>	MAYA LABS INC	Contactless payment kiosk system and method
<a href="#">WO 2022024867 A1</a>	BANDAI CO	Payment information provision method, information processing device, and program
<a href="#">WO 2022011433 A1</a>	MYVENUE PTY LTD	Fast food and beverage provision system and arrangement
<a href="#">WO 2022025718 A1</a>	SOFTLUNCH INC	Computer program product and method for providing payment information by using context information
<a href="#">WO 2021262965 A1</a>	VERIFONE INC	Systems and methods for kiosk or payment terminal-based touchless interactions using mobile electronic devices

<a href="#">WO 2022018686 A1</a>	BLUE ICEBERG LLC	Return of items from security checkpoints
<a href="#">WO 2022025491 A1</a>	PARK EUN KYOUNG	Method and system for mobile parking fee payment
<a href="#">WO 2021242584 A1</a>	PAYPAL INC	Watermark as honeypot for adversarial defense
<a href="#">WO 2022054574 A1</a>	SONY GROUP CORP	Information processing device, mobile terminal, and information processing method

[..ver más](#)



## BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2022058788 A2</a>	VIMBERG PRIIT	Digital key generation for electric and electronic locks
<a href="#">WO 2022015574 A1</a>	HONEYWELL INT INC	Real-time proximity-based contextual information for an industrial asset
<a href="#">WO 2021258879 A1</a>	ZTE CORP	Measurement report neighboring cell list-based positioning method and system
<a href="#">WO 2022033675 A1</a>	NOKIA TECHNOLOGIES OY	Location based network access management
<a href="#">WO 2022034478 A1</a>	ERICSSON TELEFON AB L M	Split local breakout selection
<a href="#">WO 2022038401 A1</a>	ERICSSON TELEFON AB L M	Assisted global navigation satellite system algorithm enhancement when no serving cell is found
<a href="#">WO 2022047405 A1</a>	LEAHY FRANCIS J	Programmatic control of device i/o; emf quiet mode, zone, signaling, and protocol
<a href="#">WO 2022014747 A1</a>	AICT	Energy trading system utilizing position-based blockchain technology
<a href="#">WO 2022023440 A1</a>	SONY GROUP CORP	Positioning and trustworthiness
<a href="#">WO 2022012176 A1</a>	HUAWEI TECH CO LTD	Proximity service communication method, management network element, terminal device, and communication system
<a href="#">WO 2021263283 A1</a>	QUALCOMM INC	Location-based channel occupancy sharing for sidelink communication in unlicensed spectrum
<a href="#">WO 2022015692 A1</a>	MEDYEAR INC FORMERLY KNOWN AS PERSONIFORM INC DBA MEDYEAR	Proximity-based file sharing system and method
<a href="#">WO 2022035567 A1</a>	PAYPAL INC	Versatile point-of-sale systems and methods
<a href="#">WO 2022006227 A1</a>	SOTER TECH LLC	Systems and methods for location-based electronic fingerprint detection
<a href="#">WO 2022025426 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device for providing recommended location of air cleaner and control method thereof

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## TELEVISIÓN MÓVIL

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2022052904 A1</a>	JUHAOKAN TECH CO LTD	Quick naming method and display device
<a href="#">WO 2022008070 A1</a>	ERICSSON TELEFON AB L M	Method and device for obtaining user input
<a href="#">WO 2022033342 A1</a>	HUAWEI TECH CO LTD	Data transmission method and device
<a href="#">WO 2022037412 A1</a>	HUAWEI TECH CO LTD	Method and apparatus for managing internet of things devices
<a href="#">WO 2021252116 A1</a>	FACEBOOK TECH LLC	Systems, devices, and methods of acoustic echo cancellation based on display orientation
<a href="#">WO 2021252097 A1</a>	FACEBOOK TECH LLC	Systems, devices, and methods of manipulating audio data based on microphone orientation
<a href="#">WO 2021252149 A1</a>	FACEBOOK TECH LLC	Systems, devices, and methods of manipulating audio data based on display orientation
<a href="#">WO 2022031986 A1</a>	MARKETCAST LLC	Multi-touch attribution
<a href="#">WO 2021251608 A1</a>	SAMSUNG ELECTRONICS CO LTD	Display device, display device control method, and display system
<a href="#">WO 2022019413 A1</a>	LG ELECTRONICS INC	Display device and operation method thereof
<a href="#">WO 2022022289 A1</a>	HUAWEI TECH CO LTD	Control display method and apparatus
<a href="#">WO 2022013884 A2</a>	SLING MEDIA PVT LTD	Methods and systems for dynamic configuration and effective usage for allocating memory in media presentations or like devices
<a href="#">WO 2021247706 A1</a>	NIelsen CO US LLC	Methods and apparatus for monitoring an audience of media based on thermal imaging

[..ver más](#)

## OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2021260369 A2</a>	AUDIOMOB LTD	Adding audio content to digital works
<a href="#">WO 2022046449 A1</a>	FACEBOOK TECH LLC	Systems and method of slot assignment to traffic stream
<a href="#">WO 2022052801 A1</a>	CHEN LIN	Data transmission apparatus and method
<a href="#">WO 2022046477 A1</a>	FACEBOOK TECH LLC	Systems and method of describing slot information
<a href="#">WO 2022005861 A1</a>	FACEBOOK TECH LLC	Hierarchical power management of memory for artificial reality systems
<a href="#">WO 2022047361 A1</a>	SONOS INC	Playback transitions
<a href="#">WO 2021242517 A1</a>	CATERPILLAR INC	System, method, and device for electronically providing paving information
<a href="#">WO 2022055575 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	It monitoring recommendation service
<a href="#">WO 2022056363 A1</a>	SCHLAGE LOCK CO LLC	Technologies for leveraging machine learning for customized installation of access control hardware
<a href="#">WO 2022039909 A1</a>	FACEBOOK TECH LLC	Audio source localization
<a href="#">WO 2022046868 A1</a>	GENESYS TELECOMMUNICATIONS LABORATORIES INC	Systems and methods relating to asynchronous resolution of customer requests in contact center
<a href="#">WO 2021211632 A1</a>	PROXY INC	Authorized remote control device gesture control methods and apparatus
<a href="#">WO 2022047473 A1</a>	ECOATM LLC	Evaluating and recycling electronic devices
<a href="#">WO 2022051120 A1</a>	META PLATFORMS INC	Live group video streaming
<a href="#">WO 2022047503 A1</a>	SONOS INC	Wireless power transfer for audio playback devices
<a href="#">WO 2022005946 A1</a>	SNAP INC	Augmented reality experiences using social distancing
<a href="#">WO 2022003416 A1</a>	OREAL	System and method for a personalized and accurate virtual make-up try-on
<a href="#">WO 2022035104 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus and operating method therefor
<a href="#">WO 2022026342 A1</a>	FACEBOOK TECH LLC	Devices and methods for determining confidence in stereo matching using a classifier-based filter
<a href="#">WO 2022002943 A1</a>	OREAL	Semantic relation preserving knowledge distillation for image-to-image translation
<a href="#">WO 2022046732 A1</a>	NG PETER	Image editing and auto arranging wall in an augmented reality system
<a href="#">WO 2022026200 A1</a>	CATERPILLAR INC	Method for remote operation of machines using a mobile device
<a href="#">WO 2022003398 A1</a>	NAXOS FINANCE SA	Alert ringtone for urgent messages
<a href="#">WO 2022010751 A1</a>	DISH NETWORK LLC	Automatically suspending or reducing portable device notifications when viewing audio/video programs
<a href="#">WO 2022000094 A1</a>	INVISION AI INC	Video-based tracking systems and methods
<a href="#">WO 2022005159 A1</a>	LG ELECTRONICS INC	Point cloud data transmission device, transmission method, processing device, and processing method
<a href="#">WO 2021253296 A1</a>	HUAWEI TECH CO LTD	Exercise model generation method and related device
<a href="#">WO 2022013968 A1</a>	NIPPON TELEGRAPH & TELEPHONE	Guidance information presentation device, guidance information presentation method, and guidance information presentation program
<a href="#">WO 2022032256 A1</a>	PLANTRONICS	Control pod for electronic devices
<a href="#">WO 2022019955 A1</a>	GOOGLE LLC	Methods and apparatus for adaptive augmented reality anchor generation
<a href="#">WO 2022025810 A1</a>	FINGERPRINT CARDS ANACATUM IP AB	Adaptive readout from a global shutter optical biometric sensor

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**LANZAMIENTO**



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

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**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.

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**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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