

# Boletín VT

## SERVICIOS E INTERFACES AVANZADOS MÓVILES

4.º trimestre 2020

# 44

### 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 2020185221 A1</a>	HEWLETT PACKARD DEVELOPMENT CO	Interfaces presentations on displays
<a href="#">WO 2020218852 A1</a>	KOO YOUN TAEK	Portable terminal and method for providing user interface of portable terminal using compatibility
<a href="#">WO 2020214594 A1</a>	APPLE INC	Accelerated scrolling and selection
<a href="#">WO 2020197793 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Method and system for intelligently suggesting tags for documents
<a href="#">WO 2020197157 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device having two display surfaces and method for running display thereof
<a href="#">WO 2020198221 A1</a>	APPLE INC	User interfaces for viewing and accessing content on an electronic device
<a href="#">WO 2020210019 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Dynamic whiteboard templates
<a href="#">WO 2020209661 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device for generating natural language response and method thereof
<a href="#">WO 2020213795 A1</a>	SAMSUNG ELECTRONICS CO LTD	Display device, user terminal device, method for controlling display device, and method for controlling user terminal device
<a href="#">WO 2020236341 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Providing consistent interaction models in communication sessions
<a href="#">WO 2020231573 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Digital map calendar user interface
<a href="#">WO 2020205667 A1</a>	VMWARE INC	Workflow service back end integration
<a href="#">WO 2020237086 A1</a>	QUALCOMM INC	Virtual assistant device
<a href="#">WO 2020224833 A1</a>	AUDI AG	Display device with a touch-sensitive operating surface and an operating and gesture-detection device, and method for operating the display device
<a href="#">WO 2020243645 A1</a>	APPLE INC	User interfaces for a podcast browsing and playback application
<a href="#">WO 2020247285 A1</a>	APPLE INC	User interfaces for content applications
<a href="#">WO 2020226753 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Plural-mode image-based search
<a href="#">WO 2020231566 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Systems and methods for input interfaces promoting obfuscation of user navigation and selections
<a href="#">WO 2020231576 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Scoped view of file tree
<a href="#">WO 2020209549 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for controlling and operating foldable display
<a href="#">WO 2020231569 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Text editing system for 3d environment
<a href="#">WO 2020236148 A1</a>	GOOGLE LLC	Mobile device-based radar system for providing a multi-mode interface and method therefor
<a href="#">WO 2020219198 A1</a>	MOTOROLA SOLUTIONS INC	Method and apparatus for displaying an image from a communications device

<a href="#">WO 2020222988 A1</a>	APPLE INC	Utilizing context information with an electronic device
<a href="#">WO 2020236361 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Adaptive interaction models based on eye gaze gestures
<a href="#">WO 2020242589 A1</a>	APPLE INC	Methods and user interfaces for sharing audio
<a href="#">WO 2020247041 A1</a>	APPLE INC	Systems, methods, and computer-readable media for handling user input gestures on an extended trackpad of an electronic device
<a href="#">WO 2020226846 A1</a>	APPLE INC	Devices, methods, and systems for manipulating user interfaces
<a href="#">WO 2020240578 A1</a>	VENKATESA KRISHNAMOORTHY	Method and device for inputting text on a keyboard
<a href="#">WO 2020247308 A1</a>	APPLE INC	Techniques for selecting text
<a href="#">WO 2020231594 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Content indicators in a 3d environment authoring application
<a href="#">WO 2020231542 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Systems and methods of selection acknowledgement for interfaces promoting obfuscation of user operations
<a href="#">WO 2020218881 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device including display device including touch sensor
<a href="#">WO 2020226294 A1</a>	SAMSUNG ELECTRONICS CO LTD	Foldable device and method for controlling image capturing by using plurality of cameras
<a href="#">WO 2020236340 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Extensible and adaptable toolsets for collaboration applications
<a href="#">WO 2020231156 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for acquiring biometric information using light of display
<a href="#">WO 2020247282 A1</a>	APPLE INC	User interface for machine language model creation
<a href="#">WO 2020230982 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for providing notification thereof
<a href="#">WO 2020243691 A1</a>	APPLE INC	User interfaces for audio media control
<a href="#">WO 2020251753 A1</a>	SIGMASENSE LLC	Pen for use with a touch screen
<a href="#">WO 2020245647 A1</a>	APPLE INC	User interface for managing input techniques
<a href="#">WO 2020222850 A1</a>	GOOGLE LLC	Interface for multiple simultaneous interactive views
<a href="#">WO 2020245098 A1</a>	ORANGE	Method for controlling a computer device
<a href="#">WO 2020242064 A1</a>	SAMSUNG ELECTRONICS CO LTD	Mobile device and mobile device control method
<a href="#">WO 2020227326 A1</a>	APPLE INC	Providing user interfaces based on use contexts and managing playback of media
<a href="#">WO 2020227330 A1</a>	APPLE INC	Restricted operation of an electronic device
<a href="#">WO 2020185221 A1</a>	HEWLETT PACKARD DEVELOPMENT CO	Interfaces presentations on displays
<a href="#">WO 2020218852 A1</a>	KOO YOUN TAEK	Portable terminal and method for providing user interface of portable terminal using compatibility
<a href="#">WO 2020214594 A1</a>	APPLE INC	Accelerated scrolling and selection
<a href="#">WO 2020197793 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Method and system for intelligently suggesting tags for documents
<a href="#">WO 2020197157 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device having two display surfaces and method for running display thereof
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<a href="#">WO 2020213795 A1</a>	SAMSUNG ELECTRONICS CO LTD	Display device, user terminal device, method for controlling display device, and method for controlling user terminal device
<a href="#">WO 2020236341 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Providing consistent interaction models in communication sessions

<a href="#">WO 2020231573 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Digital map calendar user interface
<a href="#">WO 2020205667 A1</a>	VMWARE INC	Workflow service back end integration

[...ver más](#)

# SERVICIOS MÓVILES AVANZADOS

## REDES SOCIALES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
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<a href="#">WO 2020204406 A1</a>	SAMSUNG ELECTRONICS CO LTD	Method and system for learning and enabling commands via user demonstration
<a href="#">WO 2020219476 A1</a>	HYPERKEY INC	Advanced keyboard based search
<a href="#">WO 2020219233 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Automated conference modality setting application
<a href="#">WO 2020190545 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Profile information layout customization in computer systems
<a href="#">WO 2020197974 A1</a>	MASON WILLIAM BOHANNON	System and method for augmenting casted content with augmented reality content
<a href="#">WO 2020219331 A1</a>	VERINT AMERICAS INC	Dynamic web content based on natural language processing (nlp) inputs
<a href="#">WO 2020205246 A1</a>	SNAP INC	Dynamic media selection menu
<a href="#">WO 2020243032 A1</a>	BEDOE RALPH	System and method for connecting mobile device users

[...ver más](#)

## PAGOS ELECTRÓNICOS MEDIANTE TERMINALES MÓVILES

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020191048 A1</a>	MASTERCARD INTERNATIONAL INC	Frictionless shopping method and system
<a href="#">WO 2020209991 A1</a>	MASTERCARD INTERNATIONAL INC	Improvements relating to identity authentication and validation
<a href="#">WO 2020214113 A1</a>	KARTEK KART VE BİLİSİM TEKNOLOJİLERİ TİCARET ANONİM ŞİRKETİ	Software security system and method for pin entry, storage and transmission to software-based pos (softpos)
<a href="#">WO 2020181339 A1</a>	BILLI TECH PTE LTD	System and method for digital funds transfer and bill payment
<a href="#">WO 2020197336 A1</a>	LG ELECTRONICS INC	Method for transmitting and receiving signal by ue in wireless communication system supporting sidelink and device therefor
<a href="#">WO 2020210402 A1</a>	PAYPAL INC	Ensuring data quality through deployment automation in data streaming applications
<a href="#">WO 2020206054 A1</a>	DIEBOLD NIXDORF INC	Mobile cart reconciliation
<a href="#">WO 2020187448 A1</a>	GIESECKE DEVRIENT MOBILE SECURITY GMBH	Method for making financial transactions
<a href="#">WO 2020203242 A1</a>	FELICA NETWORKS INC	Information processing device, information processing method, program, communication device, communication method, and information processing system
<a href="#">WO 2020210709 A1</a>	FLO FREE LLC	Integrated personal finance management system for managing cash flow
<a href="#">WO 2020183400 A1</a>	SMART SATU GLOBAL PTE LTD	B2b orders, delivery and payment system with qr-pay technology
<a href="#">WO 2020201898 A1</a>	AUTHENTISS TECH PTY LTD	A system and method for effecting a transaction using a mobile communications device associated with a receiver of transaction information
<a href="#">WO 2020187640 A1</a>	INST MINES TELECOM	Identity verification or identification method using handwritten signatures affixed to a digital sensor
<a href="#">WO 2020204867 A1</a>	ABIK AYBERK	Development of the at the door payment system in e-commerce
<a href="#">WO 2020213343 A1</a>	UNIVERSAL ENTERTAINMENT CORP	Information management system and terminal device
<a href="#">WO 2020206559 A1</a>	IQMETRIX SOFTWARE DEV CORPORATION	Facilitating location-based sales venue transaction payments using non-location-based identity targets
<a href="#">WO 2020211019 A1</a>	AVISION SUZHOU CO LTD	Document processing system and method wherein permission is activated in real time via mobile payment
<a href="#">WO 2020213347 A1</a>	LINE PAY CORP	Method of controlling first server, terminal information processing method, method of controlling second server, program, first server, terminal, and second server
<a href="#">WO 2020208860 A1</a>	LINE CORP	Information processing method, program, and terminal
<a href="#">WO 2020190463 A1</a>	AMAZON TECH INC	Secure data submission via audio transmission
<a href="#">WO 2020220051 A1</a>	DYNAMICS INC	Super smart secure payment applets with pre-stored messages and logic and ability to change subsequent function thereon
<a href="#">WO 2020220071 A1</a>	GRAND PERFORMANCE ONLINE PTY LTD	A computer-enabled method, system and computer program for autonomously allocating and managing a space, furniture, equipment and/or a service via an electronic device
<a href="#">WO 2020247405 A1</a>	JPMORGAN CHASE BANK NA	Systems and methods for managing privacy policies using machine learning
<a href="#">WO 2020222837 A1</a>	VISA INT SERVICE ASS	Automated access device interaction processing
<a href="#">WO 2020223932 A1</a>	SHENZHEN HEYTAP TECH CORP LTD	Offline payment method and apparatus, electronic device, and storage medium
<a href="#">WO 2020224343 A1</a>	TENDYRON CORP	Electronic currency offline payment method and payment collection method
<a href="#">WO 2020229859 A1</a>	KULAKOVSKIJ KIRILL	Method for registering the presence of a user in a given zone and system for the implementation thereof
<a href="#">WO 2020246403 A1</a>	SONY CORP	Information processing device and information processing method
<a href="#">WO 2020243940 A1</a>	SWIFTPLUS TECH COMPANY LIMITED	Transaction interface control method, electronic transaction device, and storage medium

<a href="#">WO 2020251795 A1</a>	TZERO GROUP INC	Key recovery using encrypted secret shares
<a href="#">WO 2020191456 A1</a>	XARD GROUP PTY LTD	Application selection on a digital transaction processing unit (dtpu)
<a href="#">WO 2020198764 A2</a>	POHL ANGUS	Method & system for terminal coded mobile payments
<a href="#">WO 2020220067 A1</a>	GRAND PERFORMANCE ONLINE PTY LTD	A computer-enabled method system and computer program for generating a dynamic user interface for use by a user in the allocation of a space, furniture, equipment or service
<a href="#">WO 2020236944 A1</a>	WEBCAT LLC	Generating online auction listings
<a href="#">WO 2020190234 A2</a>	KARTEK KART VE BILISIM TEKNOLOJILERI TICARET ANONIM SIRKETI	Integrated mobile payment system
<a href="#">WO 2020252479 A1</a>	GUTIERREZ SHERIS LUIS EDUARDO	System and method using a fitness-gradient blockchain consensus
<a href="#">WO 2020247773 A1</a>	SAMID GIDEON	Sustained off-line digital payment and viral loyalty money
<a href="#">WO 2020197694 A1</a>	APPLE INC	User interfaces for managing an account
<a href="#">WO 2020227520 A1</a>	MCGANN TRISTAN WILLIAM	Portable hand held battery powered percussive massager rental system
<a href="#">WO 2020230913 A1</a>	LG ELECTRONICS INC	Electronic device and control method therefor
<a href="#">WO 2020236135 A1</a>	VISA INT SERVICE ASS	Virtual access credential interaction system and method
<a href="#">WO 2020223570 A1</a>	KIKINIS DAN	A system and method for peer-to-peer automatic teller machine transactions
<a href="#">WO 2020236870 A1</a>	JPMORGAN CHASE BANK NA	Systems and methods for maintaining decentralized digital identities
<a href="#">WO 2020247748 A1</a>	SALUS FINANCE LLC	System and method for consolidation, reconciliation and payment management
<a href="#">WO 2020249787 A1</a>	BANKS AND ACQUIRERS INT HOLDING	Method for assisting the use of an electronic transaction device
<a href="#">WO 2020234629 A1</a>	ULTRASEA ENTPR PTE LTD	Method for handling cash in/out operation, mobile terminal and non-transitory readable medium
<a href="#">WO 2020235287 A1</a>	DENSO CORP	Device and program for use in vehicle
<a href="#">WO 2020227727 A2</a>	GLOBAL CARE ANALYTICS LLC	Transaction analysis and asset recovery system
<a href="#">WO 2020235353 A1</a>	SONY CORP	Information processing device, information processing terminal, information processing method, and program
<a href="#">WO 2020235520 A1</a>	ALLM INC	Information processing device, information processing system, and information processing program
<a href="#">WO 2020235140 A1</a>	PLAND CO LTD	Facility management system
<a href="#">WO 2020191048 A1</a>	MASTERCARD INTERNATIONAL INC	Frictionless shopping method and system

[..ver más](#)

## BASADOS EN LA LOCALIZACIÓN

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020218320 A1</a>	SHIMIZU CONSTRUCTION CO LTD	Reception guidance system and reception guidance method
<a href="#">WO 2020198385 A1</a>	MAGIC LEAP INC	Systems and methods for virtual and augmented reality
<a href="#">WO 2020214711 A1</a>	PRESTACOM SERVICES LLC	Separation notifications for wireless accessories
<a href="#">WO 2020207116 A1</a>	CHINA ACADEMY TELECOMMUNICATI ONS TECHNOLOGY	Terminal location based service method and apparatus
<a href="#">WO 2020240526 A1</a>	AERIAL TECH INC	Proximity-based model for indoor localization using wireless signals
<a href="#">WO 2020215122 A1</a>	JAF APPS PTY LTD	Location-based system for pet-based interactions
<a href="#">WO 2020227656 A1</a>	SONY CORP	Managing access to digital assets
<a href="#">WO 2020226798 A1</a>	APPLE INC	Image-based techniques for stabilizing positioning estimates
<a href="#">WO 2020243716 A1</a>	NJOY WORLDWIDE INC	Location based mobile messaging shopping network
<a href="#">WO 2020241965 A1</a>	INDUSTRY&ACADE MY COLLABORTAION FOUNDATION FAR EAST UNIV	Method for recognizing indoor location using only smartphone sensor, and smartphone terminal running same

[..ver más](#)



## TELEVISIÓN MÓVIL

Nº PUBLICACIÓN SOLICITANTE CONTENIDO TÉCNICO

<a href="#">WO 2020198677 A1</a>	ROVI GUIDES INC	Replacing a background portion of an image
<a href="#">WO 2020198243 A1</a>	APPLE INC	User interfaces for interacting with channels that provide content that plays in a media browsing application
<a href="#">WO 2020251122 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device for providing content translation service and control method therefor
<a href="#">WO 2020222986 A1</a>	SAZAN DAVID	Artificial intelligence system for image analysis and item selection
<a href="#">WO 2020231067 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic apparatus and control method thereof
<a href="#">WO 2020226413 A1</a>	SAMSUNG ELECTRONICS CO LTD	Display apparatus and method for controlling thereof
<a href="#">WO 2020241975 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for controlling the same

[..ver más](#)

## OTRAS REFERENCIAS

Nº PUBLICACIÓN	SOLICITANTE	CONTENIDO TÉCNICO
<a href="#">WO 2020214153 A1</a>	HEWLETT PACKARD DEVELOPMENT CO	Components power state control for input pens
<a href="#">WO 2020180859 A1</a>	FACEBOOK TECH LLC	Apparatus, systems, and methods for wearable head-mounted displays
<a href="#">WO 2020197039 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device for executing operation based on user input via electronic pen, and operating method thereof
<a href="#">WO 2020199089 A1</a>	CITRIX SYSTEMS INC	Unified application notification framework
<a href="#">WO 2020207965 A1</a>	SCHREINER SEBASTIAN	Method for securely exchanging encrypted messages
<a href="#">WO 2020251672 A1</a>	MICROSOFT TECHNOLOGY LICENSING LLC	Road map for audio presentation of communications
<a href="#">WO 2020218848 A1</a>	SAMSUNG ELECTRONICS CO LTD	Electronic device and method for performing biometric authentication function and intelligent agent function using user input in electronic device
<a href="#">WO 2020194107 A1</a>	SEMICONDUCTOR ENERGY LAB	Display device and operation method therefor
<a href="#">WO 2020214828 A1</a>	BIAMP SYSTEMS LLC	Centrally controlling communication at a venue
<a href="#">WO 2020191004 A1</a>	GEORGIA TECH RES INST	Tracking and alert method and system for worker productivity and safety
<a href="#">WO 2020231838 A1</a>	NVOQ INCORPORATED	Systems, methods, and apparatus for asynchronous speech to text data processing

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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.

GRIFOLS 75



**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**

**¿Son patentables nuestros resultados?**



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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