

Title (en)  
ANTENNA APPARATUS AND ELECTRONIC DEVICE

Title (de)  
ANTENNENVORRICHTUNG UND ELEKTRONISCHE VORRICHTUNG

Title (fr)  
APPAREIL D'ANTENNE ET DISPOSITIF ÉLECTRONIQUE

Publication  
**EP 4220856 A1 20230802 (EN)**

Application  
**EP 21899739 A 20211014**

Priority  
• CN 202011399314 A 20201201  
• CN 2021123915 W 20211014

Abstract (en)  
Provided are an antenna apparatus and an electronic device. The antenna apparatus includes a first radiator and a plurality of second radiators. A first gap is defined between each of the second radiators and the first radiator. Each of the second radiators is electrically connected to the first radiator through an electromagnetic coupling by means of the first gap. Each of second radiators is configured to transmit a radio-frequency signal of a first frequency band. The plurality of second radiators and the first radiator are configured to jointly transmit a radio-frequency signal of a second frequency band.

IPC 8 full level  
**H01Q 1/36** (2006.01); **H01Q 5/307** (2015.01)

CPC (source: CN EP)  
**H01Q 1/22** (2013.01 - CN); **H01Q 1/24** (2013.01 - EP); **H01Q 1/36** (2013.01 - CN); **H01Q 1/48** (2013.01 - CN); **H01Q 1/50** (2013.01 - CN); **H01Q 5/10** (2015.01 - CN); **H01Q 5/20** (2015.01 - CN); **H01Q 5/307** (2015.01 - CN); **H01Q 5/378** (2015.01 - EP); **H01Q 9/0421** (2013.01 - EP); **H01Q 9/42** (2013.01 - EP); **H01Q 21/28** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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