

Title (en)

SUPER DIRECTIVE ARRAY OF VOLUMETRIC ANTENNA ELEMENTS FOR WIRELESS DEVICE APPLICATIONS

Title (de)

SUPERDIREKTIVE ANORDNUNG VON VOLUMETRISCHEN ANTENNENELEMENTEN FÜR ANWENDUNGEN IN DRAHTLOSEN VORRICHTUNGEN

Title (fr)

RÉSEAU SUPER-DIRECTIF D'ÉLÉMENTS D'ANTENNES VOLUMÉTRIQUES POUR APPLICATIONS DE DISPOSITIF SANS FIL

Publication

EP 3549165 A4 20201223 (EN)

Application

EP 17877182 A 20171129

Priority

- US 201615362988 A 20161129
- US 201662432973 P 20161212
- US 2017063559 W 20171129

Abstract (en)

[origin: WO2018102326A1] Antenna arrays that provide directive radiation over multiple frequencies, multiple polarizations, and/or operate in modes that reduce unnecessary radiation into a nearby human body. The arrays are particularly adapted for use with handheld wireless devices, such as smartphones, tablets, and cellular phones.

IPC 8 full level

H01Q 1/24 (2006.01); **H01L 25/10** (2006.01); **H01Q 5/385** (2015.01); **H01Q 9/26** (2006.01); **H01Q 9/28** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/20** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/29** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [Y] US 2007115199 A1 20070524 - APOSTOLOS JOHN T [US]
- [Y] US 2013222199 A1 20130829 - APOSTOLOS JOHN T [US], et al
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- See references of WO 2018102326A1

Designated contracting state (EPC)

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