

Title (en)

ANTENNA ARRANGEMENT WITH ENHANCED BANDWIDTH

Title (de)

ANTENNENANORDNUNG MIT VERBESSERTER BANDBREITE

Title (fr)

AGENCEMENT D'ANTENNE À BANDE PASSANTE AMÉLIORÉE

Publication

**EP 3869613 A1 20210825 (EN)**

Application

**EP 20465508 A 20200220**

Priority

EP 20465508 A 20200220

Abstract (en)

The invention relates to the field of antennas, particularly to an antenna arrangement (10) for mobile communication antennas. The antenna arrangement (10) comprises a main antenna (20) and an auxiliary antenna (30). The auxiliary antenna (30) is electromagnetically coupled with the main antenna (20) within a coupling region (40), to have a broader bandwidth of the antenna arrangement (10), compared to a bandwidth of the main antenna (20).

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 9/04** (2006.01); **H01Q 19/00** (2006.01); **H01Q 1/32** (2006.01); **H01Q 9/42** (2006.01)

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**H01Q 1/243** (2013.01); **H01Q 9/0407** (2013.01); **H01Q 19/005** (2013.01); **H01Q 1/32** (2013.01); **H01Q 9/42** (2013.01)

Citation (search report)

- [X] US 2015380820 A1 20151231 - WU CHUN-YIH [TW], et al
- [X] WO 2004025778 A1 20040325 - FRACTUS SA [ES], et al
- [X] US 2015102976 A1 20150416 - WONG KIN-LU [TW], et al
- [X] EP 2421093 A1 20120222 - ACE TECH CORP [KR]

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

DOCDB simple family (publication)

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