

Title (en)
COMPACT DUAL-BAND MIMO ANTENNA

Title (de)
KOMPAKTE DUALBAND-MIMO-ANTENNE

Title (fr)
ANTENNE MIMO DOUBLE BANDE COMPACTE

Publication
EP 3529860 A1 20190828 (EN)

Application
EP 16787459 A 20161027

Priority
EP 2016075874 W 20161027

Abstract (en)
[origin: WO2018077408A1] A dual-band multiple input multiple output (MIMO) antenna cell comprising a slot layer comprising a ground plane with an electrically conductive slot antenna cut in the ground plane and an electrically conductive microstrip dipole antenna located directly and symmetrically above the slot antenna. The dipole antenna comprises two radiating elements 5 that are symmetrically fed. Wherein the slot antenna is adapted to operate in a first frequency band of a dual band and the dipole antenna is adapted to operate in a second frequency band of the dual band.

IPC 8 full level
H01Q 13/10 (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP)
H01Q 9/285 (2013.01); **H01Q 13/10** (2013.01); **H01Q 21/062** (2013.01); **H01Q 21/064** (2013.01); **H01Q 21/28** (2013.01); **H01Q 21/0075** (2013.01); **H01Q 21/24** (2013.01)

Citation (examination)

- US 6501435 B1 20021231 - KING PATRICK F [US], et al
- EP 1498982 A1 20050119 - ASK IND SPA [IT]
- See also references of WO 2018077408A1

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)
WO 2018077408 A1 20180503; EP 3529860 A1 20190828

DOCDB simple family (application)
EP 2016075874 W 20161027; EP 16787459 A 20161027