

Title (en)

BROAD-BAND SLOT ANTENNA COVERED ON THE REAR SIDE, AND ANTENNA GROUP COMPRISING SAME

Title (de)

BREITBANDIGE RÜCKSEITIG ABGEDECKTE SCHLITZANTENNE UND ANTENNENGRUPPEN DAMIT

Title (fr)

ANTENNE À FENTES LARGE BANDE À FACE ARRIÈRE RECOUVERTE ET GROUPES D'ANTENNES LA COMPRENANT

Publication

**EP 3610537 A1 20200219 (DE)**

Application

**EP 18718677 A 20180402**

Priority

- DE 102017107901 A 20170412
- DE 2018100292 W 20180402

Abstract (en)

[origin: WO2018188687A1] The invention relates to a slot antenna comprising the following elements: a peripheral housing wall, a rear wall, a feed element, and a feed point. Said slot antenna is characterised in that: the feed element is electrically connected to the housing wall at two opposing connection points; the feed element is narrower at the connection points than in the middle region between the connection points; the feed point is located on the edge of the middle region between the connection points, as well as a corresponding opening in the housing wall; a conductor for feeding the slot antenna can be connected to the feed point; and the feed element comprises at least one slot.

IPC 8 full level

**H01Q 1/42** (2006.01); **H01Q 5/378** (2015.01); **H01Q 13/18** (2006.01); **H01Q 21/00** (2006.01)

CPC (source: EP US)

**H01Q 1/42** (2013.01 - EP US); **H01Q 5/378** (2015.01 - EP); **H01Q 5/385** (2015.01 - US); **H01Q 13/18** (2013.01 - EP US); **H01Q 21/00** (2013.01 - EP); **H01Q 3/34** (2013.01 - EP); **H01Q 19/28** (2013.01 - EP); **H01Q 21/064** (2013.01 - EP)

Citation (search report)

See references of WO 2018188687A1

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 2018188687 A1 20181018**; AU 2018251008 A1 20191010; CN 110679035 A 20200110; DE 102017107901 A1 20180308; EP 3610537 A1 20200219; US 11031698 B2 20210608; US 2020059001 A1 20200220

DOCDB simple family (application)

**DE 2018100292 W 20180402**; AU 2018251008 A 20180402; CN 201880025082 A 20180402; DE 102017107901 A 20170412; EP 18718677 A 20180402; US 201816604529 A 20180402