

Title (en)

PROBE ARRANGEMENT FOR A PROBE-FED PATCH ANTENNA

Title (de)

SONDENANORDNUNG FÜR EINE SONDENGESPEISTE PATCHANTENNE

Title (fr)

AGENCEMENT DE SONDE POUR UNE ANTENNE PATCH À ALIMENTATION PAR SONDE

Publication

**EP 3065217 A1 20160907 (EN)**

Application

**EP 15157084 A 20150302**

Priority

EP 15157084 A 20150302

Abstract (en)

Provided is a probe arrangement for a probe-fed patch antenna, comprising a foot and a top and at least a first probe and a second probe, wherein the first probe and the second probe are electrically separated from each other, wherein each probe comprises a feeding portion, an intermediate portion and a termination portion, wherein the feeding portion extends from the foot to the top, wherein the intermediate portion and the termination portion are arranged at the top, wherein the intermediate portion extends at the top from the feeding portion to the termination portion, and wherein a width of the termination portion in a direction perpendicular to an extension direction of the intermediate portion is larger than a width of the intermediate portion in the direction perpendicular to the extension direction of the intermediate portion.

IPC 8 full level

**H01Q 9/04** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/26** (2006.01)

CPC (source: EP)

**H01Q 9/0457** (2013.01); **H01Q 21/062** (2013.01); **H01Q 21/24** (2013.01)

Citation (search report)

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- [XYI] MING-CHUN TANG ET AL: "A High-Directivity, Wideband, Efficient, Electrically Small Antenna System", IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 62, no. 12, 1 December 2014 (2014-12-01), pages 6541 - 6547, XP055204967, ISSN: 0018-926X, DOI: 10.1109/TAP.2014.2361891
- [A] DANPENG XIE ET AL: "Square Electrically Small EAD Antenna Array for RF Energy Harvesting from TV Broadcast Tower", 4 November 2014 (2014-11-04), XP055204978, Retrieved from the Internet <URL:http://ieeexplore.ieee.org/ielx7/7057737/7067568/07067717.pdf?tp=&arnumber=7067717&isnumber=7067568> [retrieved on 20150728]

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CN107706522A; CN108777352A; EP3389137A1; EP3977562A4; US12107349B2

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)

**EP 3065217 A1 20160907**; **EP 3065217 B1 20180711**; EP 3327865 A1 20180530; EP 3327865 B1 20190925; ES 2760423 T3 20200514

DOCDB simple family (application)

**EP 15157084 A 20150302**; EP 17206315 A 20150302; ES 17206315 T 20150302