

Title (en)

PATCH ANTENNA ELEMENT AND METHOD FOR MANUFACTURING A PATCH ANTENNA ELEMENT

Title (de)

PATCH-ANTENNENELEMENT UND VERFAHREN ZUR HERSTELLUNG EINES PATCH-ANTENNENELEMENTS

Title (fr)

ÉLÉMENT D'ANTENNE À PLAQUE ET PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT D'ANTENNE À PLAQUE

Publication

EP 3859889 A1 20210804 (EN)

Application

EP 21158628 A 20160929

Priority

- EP 21158628 A 20160929
- EP 16191341 A 20160929

Abstract (en)

The present disclosure relates to a patch antenna element comprising a substrate (12; 20), patch (14; 26) disposed on the substrate, a ground plane (22) disposed on the substrate below the patch, wherein the ground plane horizontally extends beyond the patch and a conductive planar arrangement (24; 36; 36') at least partially laterally surrounding the patch.

IPC 8 full level

H01Q 1/48 (2006.01); **H01Q 9/04** (2006.01)

CPC (source: EP)

H01Q 1/48 (2013.01); **H01Q 9/0407** (2013.01); **H01Q 9/0414** (2013.01)

Citation (search report)

- [XYI] US 2016276751 A1 20160922 - UEDA HIDEKI [JP]
- [XII] EP 1775795 A1 20070418 - MA COM INC [US]
- [Y] US 2016197404 A1 20160707 - HASHIMOTO KOH [JP], et al

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

DOCDB simple family (publication)

EP 3301757 A1 20180404; **EP 3301757 B1 20210224**; EP 3859889 A1 20210804; WO 2018063497 A1 20180405

DOCDB simple family (application)

EP 16191341 A 20160929; EP 21158628 A 20160929; US 2017045199 W 20170803