

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 3301757 A1 20180404 (EN)

Application

EP 16191341 A 20160929

Priority

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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)

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- [XI] EP 1775795 A1 20070418 - MA COM INC [US]
- [Y] US 2016197404 A1 20160707 - HASHIMOTO KOH [JP], et al

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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