

Title (en)
SELF-COMPLEMENTARY MULTILAYER ARRAY ANTENNA

Title (de)
SELBSTKOMPLEMENTÄRE MEHRSCICHTIGE GRUPPENANTENNE

Title (fr)
ANTENNE RESEAU MULTICOUCHE DU TYPE AUTO-COMPLEMENTAIRE

Publication
EP 3227960 A1 20171011 (FR)

Application
EP 15800865 A 20151126

Priority

- FR 1402780 A 20141205
- EP 2015077766 W 20151126

Abstract (en)
[origin: WO2016087304A1] The invention relates to array antenna comprising a radiating structure made from an array of radiating elements (1) which consists of self-complementary patterns, said radiating surface being separated from a ground plane by a dielectric layer, said antenna comprising an array of metallic vias which extend through said dielectric layer between the radiating surface and the ground plane, each via being positioned opposite a given point (51, 52, 53, 54), referred to as a specific point, of a radiating element. The specific points can be positioned between two consecutive power supply points (11, 12, 13, 14) of a radiating element.

IPC 8 full level
H01Q 5/307 (2015.01); **H01Q 9/04** (2006.01); **H01Q 9/06** (2006.01); **H01Q 9/28** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2016087304A1

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)
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