

Title (en)

PLANAR ARRAY ANTENNA COMPRISING ANTENNA ELEMENTS ARRANGED IN A PLURALITY OF PLANES

Title (de)

PLANARE GRUPPENANTENNE MIT IN MEHREREN EBENEN ANGEORDNETEN ANTENNENELEMENTEN

Title (fr)

ANTENNE RÉSEAU PLANAIRE COMPORTANT DES ÉLÉMENTS ANTENNE DISPOSÉS DANS PLUSIEURS PLANS

Publication

EP 2617100 A1 20130724 (DE)

Application

EP 11743222 A 20110727

Priority

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- EP 2011062859 W 20110727

Abstract (en)

[origin: WO2012034762A1] Planar array antenna for radar sensors, comprising a plurality of base antenna elements (12, 14) that are arranged on a printed circuit board (10) in a common plane and supplementary antenna elements (24) that are arranged above one of the base antenna elements (14; 14') in a plane off-set of the common plane, characterized in that every supplementary antenna element (24) is arranged individually on an associated support (26) and the printed circuit board (10) is populated with the individual supports (26).

IPC 8 full level

H01Q 1/32 (2006.01); **H01Q 9/04** (2006.01); **H01Q 19/00** (2006.01); **H01Q 21/06** (2006.01); **G01S 13/931** (2020.01)

CPC (source: EP US)

H01Q 1/3233 (2013.01 - EP US); **H01Q 9/0414** (2013.01 - EP US); **H01Q 19/005** (2013.01 - EP US); **H01Q 21/0075** (2013.01 - US); **H01Q 21/064** (2013.01 - EP US); **H01Q 21/065** (2013.01 - EP US); **G01S 7/028** (2021.05 - EP US); **G01S 13/931** (2013.01 - EP US); **G01S 2013/9321** (2013.01 - EP US); **H01Q 9/0457** (2013.01 - US)

Citation (search report)

See references of WO 2012034762A1

Citation (examination)

DE 102004059333 A1 20060614 - BOSCH GMBH ROBERT [DE]

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