Title (en)

ANTENNA ARRANGEMENT, IN PARTICULAR FOR A MOBILE RADIO BASE STATION

Title (de)

ANTENNENANORDNUNG, INSBESONDERE FÜR EINE MOBILFUNK-BASISSTATION

Title (fr)

INSTALLATION D'ANTENNE, EN PARTICULIER POUR UNE STATION DE BASE DE RADIOCOMMUNICATION MOBILE

Publication

EP 2050164 A1 20090422 (DE)

Application

EP 07765255 A 20070726

Priority

- EP 2007006638 W 20070726
- DE 102006037518 A 20060810

Abstract (en)

[origin: WO2008017386A1] An improved antenna arrangement is distinguished by the following features: - the reflector arrangement has a printed circuit board (5) with an electrically conductive ground plane (7), the reflector arrangement also has a reflector frame (11) with a coupling surface (13), the coupling surface (13) is capacitively coupled to the ground plane (7), the coupling surface (13) has a recess (13a) via which the ground plane (7), which is located underneath it, and/or the printed circuit board (5) or an isolating intermediate layer which is provided above the ground plane (7) or an isolating intermediate layer which is provided above the printed circuit board (5) is exposed, and the at least one antenna element arrangement (3) is positioned and/or held on the printed circuit board (5) in the area of the recess (13a).

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/26** (2006.01)

CPC (source: EP US)

H01Q 1/246 (2013.01 - EP US); **H01Q 19/108** (2013.01 - EP US); **H01Q 21/062** (2013.01 - EP US); **H01Q 21/26** (2013.01 - EP US)

Citation (search report)

See references of WO 2008017386A1

Cited by

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AL BA HR MK RS

DOCDB simple family (publication)

WO 2008017386 A1 20080214; CN 101479888 A 20090708; CN 101479888 B 20130612; DE 102006037518 B3 20080306; EP 2050164 A1 20090422; EP 2050164 B1 20101013; ES 2353993 T3 20110309; HK 1133956 A1 20100409; US 2010182213 A1 20100722; US 8350775 B2 20130108

DOCDB simple family (application)

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