

Title (en)

Planar mobile radio antenna for a vehicle

Title (de)

Flachbauende Mobilfunkantenne für ein Fahrzeug

Title (fr)

Antenne radiotéléphonique mobile pour un véhicule

Publication

EP 1753081 A1 20070214 (DE)

Application

EP 06013683 A 20060701

Priority

DE 102005038196 A 20050812

Abstract (en)

A flat weight (1) is arranged parallel to an antenna element (2a,2b). The antenna element is oval or half-oval in shape. The internal contour of a housing is adapted to the weight and antenna element. A dielectric is arranged in a slot to improve antenna characteristics.

IPC 8 full level

H01Q 9/04 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/371** (2015.01)

CPC (source: EP)

H01Q 1/243 (2013.01); **H01Q 5/371** (2015.01); **H01Q 9/0421** (2013.01)

Citation (search report)

- [X] US 2003231137 A1 20031218 - DU XIN [US], et al
- [X] US 5291210 A 19940301 - NAKASE KAZUHIKO [JP]
- [XY] US 2003025637 A1 20030206 - MENDOLIA GREG S [US], et al
- [XY] WO 03103088 A1 20031211 - SAGEM [FR]
- [X] EP 1083624 A2 20010314 - FILTRONIC LK OY [FI]
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Citation (examination)

EP 1011167 A1 20000621 - MATSUSHITA ELECTRIC IND CO LTD [JP]

Cited by

GB2510289B

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1753081 A1 20070214; DE 102005038196 A1 20070222

DOCDB simple family (application)

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