Title (en)

Automotive glass antenna

Title (de)

Fahrzeugscheibenantenne

Title (fr)

Antenne de pare-brise de véhicule

Publication

EP 2797164 B1 20170308 (EN)

Application

EP 14161063 A 20140321

Priority

JP 2013091992 A 20130425

Abstract (en)

[origin: EP2797164A1] In a glass antenna disposed at an upper section of a defogger (5) of a rear window glass (1) of an automotive vehicle, an FM first antenna (2) receives an FM broadcasting wave or both of the FM broadcasting wave and an AM broadcasting wave, an FM second antenna (3) performs a diversity reception of the FM broadcasting wave together with the first FM antenna, and a DAB purpose antenna receiving a DAB broadcasting wave. The FM first antenna (2) is disposed in such a way that a blank space (23) formed by an FM first antenna element (22) and a flange end edge (6) of the automotive vehicle is disposed at an upper part of the defogger when the rear window glass is attached to the automotive vehicle, the FM second antenna (3) and the DAB purpose antenna (4) are disposed on the blank space (23), the FM second antenna (3) includes: an FM second antenna feed point (31) disposed at a side section of the rear window glass (1); and an FM second antenna element (32), the FM second antenna element (32) includes: an FM second antenna first strip (321); and an FM second antenna second strip (322), and FM second antenna first strip (321) has one end connected to the FM second antenna feed point (31), is extended in a direction away from the FM second antenna feed point (31), and has the other end connected to a tip or to a midway section through the FM second antenna second strip (322).

IPC 8 full level

H01Q 1/12 (2006.01)

CPC (source: EP)

H01Q 1/1271 (2013.01); **H01Q 1/1278** (2013.01)

Citation (examination)

MARTINEZ A ET AL: "Analysis of the DVB-T Signal Variation null for Indoor Portable Reception", IEEE TRANSACTIONS ON BROADCASTING, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 55, no. 1, 1 March 2009 (2009-03-01), pages 11 - 19, XP011343471, ISSN: 0018-9316, DOI: 10.1109/TBC.2008.2006657

Cited by

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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

DOCDB simple family (publication)

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DOCDB simple family (application)

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