

Title (en)
Automotive glass antenna

Title (de)
Fahrzeugscheibenantenne

Title (fr)
Antenne de pare-brise de véhicule

Publication
EP 2797164 A1 20141029 (EN)

Application
EP 14161063 A 20140321

Priority
JP 2013091992 A 20130425

Abstract (en)
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 (applicant)
• JP 2011135405 A 20110707 - CENTRAL GLASS CO LTD
• EP 2485325 A1 20120808 - CENTRAL GLASS CO LTD [JP]

Citation (search report)
• [XDY] EP 2485325 A1 20120808 - CENTRAL GLASS CO LTD [JP]
• [Y] EP 2581983 A1 20130417 - CENTRAL GLASS CO LTD [JP]

Cited by
EP3163675A1; EP3185350A1; EP3422468A1; CN109149077A; JP2019009668A; EP3163675B1

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

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BA ME

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JP 2014216805 A 20141117; JP 6123457 B2 20170510

DOCDB simple family (application)
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