

Title (en)
Vehicular glass antenna

Title (de)
Glasantenne für Fahrzeuge

Title (fr)
Antenne de pare-brise de véhicule

Publication
EP 2610959 A2 20130703 (EN)

Application
EP 12199525 A 20121227

Priority
JP 2011287523 A 20111228

Abstract (en)
A vehicular glass antenna that allows disposition of a DAB antenna having an AM antenna is disclosed. The glass antenna (30) includes a first antenna (31) having a plurality of horizontal elements (31 a to 31l) and vertical elements (33a, 33b), and a second antenna (32) capacitatively coupled with a topmost one (31 a) of the horizontal elements of the first antenna and arranged in an upper part of a region in which the first antenna is mounted. The first antenna includes the topmost horizontal element (31 a), a first vertical element (33a) held in contact with the topmost horizontal element (31 a), and a second vertical element (33b). The first vertical element (33a) and the second vertical element (33b) are disposed so as to be substantially in parallel across a gap (d) for which the reception sensitivity of each of the first antenna (31) and the second antenna (32) is set to be in an optimal range, and a slit (33) having a predetermined height is formed by the gap (d). An electrical connection is established at a bottommost end of each of the first vertical element (33a) and the second vertical element (33b).

IPC 8 full level
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CPC (source: EP)
H01Q 1/1271 (2013.01); **H01Q 5/40** (2015.01)

Citation (applicant)
• JP 2010081567 A 20100408 - ASahi GLASS CO LTD
• JP 2010124444 A 20100603 - ASahi GLASS CO LTD
• JP 2010154504 A 20100708 - ASahi GLASS CO LTD

Cited by
US10541463B2

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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