

Title (en)
VEHICLE GLASS ANTENNA

Title (de)
GLASANTENNE FÜR FAHRZEUG

Title (fr)
ANTENNE DE VITRE DE VÉHICULE

Publication
EP 2109181 A4 20100217 (EN)

Application
EP 08710793 A 20080205

Priority
• JP 2008051861 W 20080205
• JP 2007026972 A 20070206

Abstract (en)
[origin: EP2109181A1] There is provided a glass antenna for vehicle which comprises a digital TV antenna appropriate to the reception of TV electromagnetic wave with excellent sensitivity of the horizontal direction, and an AM antenna in the limited area of a rear-window glass. The glass antenna of the invention comprises a digital TV antenna (18) for receiving of TV electromagnetic wave, and an AM antenna (4) for receiving of AM electromagnetic wave, on a window glass for vehicle with a defogger (3), in which the digital TV antenna (18) includes a horizontal element (18c) formed at the side of the heat wires (3 e) and substantially parallel to the plurality of heat wires (3e) of the defogger (3), and the AM antenna (4) is formed between the defogger (3) and the digital TV antenna (18). The AM antenna (4) includes a discontinuous region (4g) closely located at the digital TV antenna (18).

IPC 8 full level
H01Q 1/32 (2006.01); **H01Q 1/22** (2006.01)

CPC (source: EP)
H01Q 1/1278 (2013.01); **H01Q 1/325** (2013.01)

Citation (search report)
• [X] JP H09181513 A 19970711 - ASAHI GLASS CO LTD
• [A] US 4849766 A 19890718 - INABA HIROSHI [JP], et al
• See references of WO 2008096751A1

Cited by
US10686245B2; WO2018088744A3; US11205839B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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