

Title (en)
Vehicle glass antenna

Title (de)
Fahrzeugglasantenne

Title (fr)
Antenne de pare-brise de véhicule

Publication
EP 2273608 A1 20110112 (EN)

Application
EP 10167723 A 20100629

Priority
JP 2009162239 A 20090708

Abstract (en)
A vehicle glass antenna (20) is mounted on a window glass (13) provided on a vehicle body (11) so as to close an opening in the vehicle body (11). The glass antenna (20) includes an antenna element (21, 22, 20b) having at least a double-bend pattern.

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 2008022538 A 20080131 - ASAHI GLASS CO LTD

Citation (search report)

- [X] US 4791425 A 19881213 - YOTSUYA HIROSHI [JP], et al
- [X] EP 1732160 A1 20061213 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [X] US 2008158074 A1 20080703 - VILLARROEL WLADIMIRO [US], et al
- [X] US 2004212541 A1 20041028 - APOSTOLOS JOHN T [US], et al
- [X] EP 1100144 A2 20010516 - NIPPON SHEET GLASS CO LTD [JP]
- [X] JP 2002299932 A 20021011 - CENTRAL GLASS CO LTD

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2273608 A1 20110112; CN 101950853 A 20110119; JP 2011019081 A 20110127; JP 5285521 B2 20130911

DOCDB simple family (application)
EP 10167723 A 20100629; CN 201010226155 A 20100708; JP 2009162239 A 20090708