

Title (en)

ANTENNA MODULE FOR MOTOR VEHICLE

Title (de)

ANTENNENMODUL FÜR EIN MOTORFAHRZEUG

Title (fr)

MODULE D'ANTENNE DE VÉHICULE AUTOMOBILE

Publication

EP 3117481 B1 20200819 (FR)

Application

EP 15711262 A 20150227

Priority

- FR 1452128 A 20140314
- FR 2015050486 W 20150227

Abstract (en)

[origin: WO2015136178A1] The invention relates to an antenna module (2) for a motor vehicle (1), which includes an external housing provided with radiofrequency interfaces for communicating with remote stations, and an internal housing provided with transceivers for communicating with on-board stations or stations remote from the vehicle (1), the housings being mounted on either side of a bodywork element (9) of the vehicle, in which: the external housing includes a pin projecting outward and having at least one conductive section connected to the radiofrequency interfaces and a threaded section at one free end; the internal housing includes a shaft that is complementary to the conductive section of the pin, said shaft being connected to the internal transceiver; and the module (2) includes a nut screwed onto the threaded section of the pin such as to secure the internal housing to the external housing.

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 1/32** (2006.01)

CPC (source: EP)

H01Q 1/1214 (2013.01); **H01Q 1/3275** (2013.01)

Citation (examination)

WO 2010112011 A1 20101007 - GLOBAL NAVIGATION SYSTEMS GNS [DE], et al

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)

WO 2015136178 A1 20150917; CN 106104912 A 20161109; CN 106104912 B 20190806; EP 3117481 A1 20170118; EP 3117481 B1 20200819; FR 3018636 A1 20150918; FR 3018636 B1 20160318

DOCDB simple family (application)

FR 2015050486 W 20150227; CN 201580014024 A 20150227; EP 15711262 A 20150227; FR 1452128 A 20140314