

Title (en)
Antenna device

Title (de)
Antennenvorrichtung

Title (fr)
Dispositif d'antenne

Publication
EP 1796206 A1 20070613 (EN)

Application
EP 06025244 A 20061206

Priority
JP 2005355075 A 20051208

Abstract (en)

An antenna device includes a main antenna body having a patch antenna element; a feeder cable connected to and extending outward from the main antenna body; and a sheet-metal bracket which supports the main antenna body and is mounted to an installation base material, such as a dashboard. For example, the bracket has a shape of a rectangle. In order to increase the radiation gain at a low elevation angle in the cable-extending direction, the widthwise direction of the bracket is substantially aligned with the cable-extending direction. On the other hand, in order to reduce the radiation towards a back surface of the antenna device in a specific direction, the lengthwise direction of the bracket is substantially aligned with the cable-extending direction so that the lengthwise direction is aligned with this specific direction.

IPC 8 full level
H01Q 1/12 (2006.01); **H01Q 1/32** (2006.01)

CPC (source: EP)
H01Q 1/1207 (2013.01); **H01Q 1/3291** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
DE FR GB

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1796206 A1 20070613; JP 2007159032 A 20070621

DOCDB simple family (application)
EP 06025244 A 20061206; JP 2005355075 A 20051208