

Title (en)  
Vehicle antenna

Title (de)  
Fahrzeugantenne

Title (fr)  
Antenne de véhicule

Publication  
**EP 2228865 B1 20120822 (DE)**

Application  
**EP 10001739 A 20100220**

Priority  
DE 102009012641 A 20090310

Abstract (en)  
[origin: EP2228865A1] The antenna has a bottom part (20) with a metallic base area. A top part (10) is latched with the bottom part. A printed circuit board (30) is held between the bottom part and the top part, where the circuit board carries emitters (31a-31c). The top part includes latching hooks (11a-11b) for latching into mounting opening of a body part (40) of a vehicle. The bottom part laterally projects over the top part. The top part includes a set of stops, which produces a minimum space between the body part having the mounting opening and a rail of the bottom part.

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

CPC (source: EP US)  
**H01Q 1/1214** (2013.01 - EP US); **H01Q 1/3275** (2013.01 - EP US)

Cited by  
CN110911802A; WO2016038102A1; US9966659B2; US12095151B2; WO2013171240A1; WO2021069193A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2228865 A1 20100915; EP 2228865 B1 20120822**; DE 102009012641 A1 20100923; US 2010231467 A1 20100916;  
US 8462059 B2 20130611

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