

Title (en)

Antenna device for a vehicle with a fastening element formed as detent element

Title (de)

Antennenvorrichtung für ein Fahrzeug mit einem als Rastelement ausgebildetem Befestigungselement

Title (fr)

Dispositif d'antenne pour un véhicule avec un élément de fixation formé par un élément d'arret

Publication

EP 1585185 A3 20060125 (DE)

Application

EP 05005205 A 20050310

Priority

DE 102004017371 A 20040408

Abstract (en)

[origin: EP1585185A2] A car roof antenna unit has the antenna element screwed to a circuit board (16) on the opposite side of the baseplate (19) to the moulded plastic snap (3, 5) fixing (1) that attaches it to the car with guide pin (6) and cable guides (8, 9).

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)

Citation (search report)

- [X] EP 1120853 A1 20010801 - NIPPON ANTENNA KK [JP]
- [X] US 6095840 A 20000801 - YAMAGUCHI ATSUYOSHI [JP], et al
- [A] DE 10210628 C1 20031016 - KATHREIN WERKE KG [DE]

Cited by

RU2469444C1; CN111430880A; WO2010084105A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1585185 A2 20051012; **EP 1585185 A3 20060125**; DE 102004017371 A1 20051103; US 2005237249 A1 20051027; US 7218283 B2 20070515

DOCDB simple family (application)

EP 05005205 A 20050310; DE 102004017371 A 20040408; US 11421205 A 20050407