

Title (en)

Contact spring for an antenna device of a vehicle

Title (de)

Kontaktfeder für eine Antenneneinrichtung für ein Fahrzeug

Title (fr)

Ressort de contact pour un dispositif d'antenne d'un véhicule

Publication

EP 1429416 A3 20050323 (DE)

Application

EP 03027111 A 20031126

Priority

DE 10258101 A 20021211

Abstract (en)

[origin: DE10258101B3] The antenna device has an antenna structure incorporated in a flat component of the automobile, e.g. a windscreen, its foot point having a contact position for electrical connection with an antenna amplifier, with a non-conductive carrier plate (1) between the flat component and the antenna amplifier, the electrical connection between the contact position and the antenna amplifier provided by a contact spring (2) received by recesses (3,4) in the carrier plate.

IPC 1-7

H01Q 1/12; **H01R 13/24**; **H01R 12/16**

IPC 8 full level

H01Q 1/12 (2006.01); **H01R 4/48** (2006.01); **H01R 13/24** (2006.01)

CPC (source: EP US)

H01Q 1/1271 (2013.01 - EP US); **H01R 4/4809** (2013.01 - US); **H01R 12/714** (2013.01 - EP US); **H01R 13/24** (2013.01 - EP US); **H01R 2201/02** (2013.01 - EP US); **H01R 2201/26** (2013.01 - EP US)

Citation (search report)

- [Y] EP 1080513 A1 20010307 - HIRSCHMANN ELECTRONICS GMBH [DE]
- [Y] EP 1186937 A2 20020313 - NOKIA CORP [FI]
- [A] US 6305948 B1 20011023 - WU KUN-TSAN [TW]
- [A] US 6025806 A 20000215 - DEININGER JUERGEN [DE], et al

Designated contracting state (EPC)

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

DOCDB simple family (publication)

DE 10258101 B3 20040408; EP 1429416 A2 20040616; EP 1429416 A3 20050323; US 2004174310 A1 20040909; US 6903698 B2 20050607

DOCDB simple family (application)

DE 10258101 A 20021211; EP 03027111 A 20031126; US 73292103 A 20031210