Title (en)

AUTOMOBILE ANTENNA DEVICE

Title (de)

FAHRZEUG-ANTENNENEINRICHTUNG

Title (fr)

SYSTEME D'ANTENNE POUR VEHICULE

Publication

EP 1080513 B1 20021113 (DE)

Application

EP 99915696 A 19990323

Priority

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Abstract (en)

[origin: DE19823202A1] The invention relates to an automobile antenna device having at least one antenna structure (5-10) mounted on the glass pane (3) of an automobile. The base point terminal connections of all antennas that are assembled in the contact points (11) of a contact field (4) are surrounded by a plastic mount (1) arranged on the glass pane (3) of an automobile in which a high frequency device (2) can be removably fixed, whose connection terminals are connected to contact points (11) without using any connecting lines. One advantage provided by the removable arrangement of the high frequency device (2) on the glass pane (3) of the automobile is that no tolerances need to be compensated for between the glass pane (3) of the automobile and the body. Said arrangement also makes it possible to remove the high frequency device (2) in a simple and cost-effective manner for repair purposes or to replace it with another high frequency device without having to change the glass pane (3) of the automobile. One particular advantage is that when the contact elements of the high frequency device (2), which are embodied as contact springs (12), directly contact the matching contact points (11) in the contact field (4) after they have been inserted in the mount (1), said elements also contribute to fixing the high frequency device (2) in the mount in view of their elastic effect since the noses (36-39) of the high frequency device (2) are pressed against the projecting parts (28-31) of the mount (1).

IPC 1-7

H01Q 1/12; H01Q 23/00

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE102005033592A1; DE102005034084A1; DE102005033593B3; DE10258101B3; EP1429416A3; US6903698B2

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