

Title (en)  
MOTOR VEHICLE ROOF ANTENNA

Title (de)  
KFZ-DACHANTENNE

Title (fr)  
ANTENNE DE TOIT POUR AUTOMOBILE

Publication  
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Application  
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Abstract (en)  
[origin: US2009040121A1] The invention relates to a motor vehicle roof antenna (100) comprising an antenna housing (110) in which at least two antennae are arranged, wherein a first coaxial connector (114) is allocated to each antenna, and having a connector (200) which comprises a housing (210) and a number of second coaxial connectors (214) corresponding to the number of first coaxial connectors (114), said second coaxial connectors (214) being arranged at a plugging side of the housing (210) at pre-determined positions and with their respective longitudinal axes oriented parallel to a plugging direction of the connector (200), wherein every second coaxial connector (214) is allocated to a first coaxial connector (114) and is configured so as to be insertable into it. Herein, the first coaxial connectors (114) are fastened in a plug interface on the antenna housing (110) and each second coaxial connector (214) is arranged in the housing (210) movable in a plane perpendicular to the plugging direction and is linked via at least one electrically insulated elastic spring element to at least one further second coaxial connector (214) in elastically sprung manner, wherein the elastic spring element (244) is arranged and configured in such a manner that the second coaxial connectors (214) are pre-positioned at the respective pre-determined position, except for tolerance deviations, and can be deflected from this site in the plane perpendicular to the plugging direction in elastically sprung manner.

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