

Title (en)  
VEHICLE ANTENNA

Title (de)  
FAHRZEUGANTENNE

Title (fr)  
ANTENNE POUR VEHICULE

Publication  
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Application  
**EP 00977423 A 20001120**

Priority  
• DE 19962736 A 19991223  
• EP 0010383 W 20001120

Abstract (en)  
[origin: WO0148865A1] The invention relates to a vehicle antenna, especially for mobile radiotelephony, comprising at least one integrated radiator and a connecting line. Said at least one radiator (1) is situated in the area of at least one opening (14) in the vehicle body, said opening being covered by a non-conductive add-on part. According to a particularly advantageous embodiment, the radiator (1) is configured as a monopole (2) with adjusted counterweights (3), in the form of strip conductors situated on a printed board (5), said board being covered on one side, and fixed to the air flap (6) of the vehicle with said printed board, said flap being covered by the rear bumper (15). The inventive vehicle antenna is simple and economical to produce and assemble, and is situated in a concealed place where it is protected from damage to a large extent. The efficiency of the antenna is independent of the distance of the bumper from the vehicle body and the antenna can be wired completely on the bodyside.

IPC 1-7  
**H01Q 1/32**; **H01Q 5/00**; **H01Q 9/38**; **H01Q 1/38**; **B60H 1/24**

IPC 8 full level  
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