

Title (en)  
Parasitic element antenna for vehicles and windscreen including said antenna

Title (de)  
Parasitäres Antennenelement für Fahrzeugscheibe

Title (fr)  
Element d'antenne passive pour vitrage de véhicule automobile

Publication  
**EP 1686654 A1 20060802 (EN)**

Application  
**EP 06100996 A 20060127**

Priority  
IT VI20050022 A 20050128

Abstract (en)  
A vehicle antenna (1; 100; 200; 300; 401; 501; 601; 701) is described, able to be coupled with a surface made of dielectric material (2; 102; 202; 302; 402; 502; 602; 702) and comprising at least a mainly longitudinally developed radio wave receiving element (4, 5; 104; 204; 307; 404, 405; 504; 604; 707). The antenna (1) comprises at least a parasitic element (3; 103; 203; 303; 403; 503; 603; 703), separated by said at least a receiving element (4, 5; 104; 204; 307; 404, 405; 504; 604; 707) and with mainly longitudinal development, on a side of which said at least a receiving element (4, 5; 104; 204; 307; 404, 405; 504; 604; 707) is disposed. This at least a receiving element (4, 5; 104; 204; 307; 404, 405; 504; 604; 707) and the at least a parasitic element (3; 103; 203; 303; 403; 503; 603; 703) consist of conductive material strips which define mutually substantially incident development axes.

IPC 8 full level  
**H01Q 21/28** (2006.01)

CPC (source: EP)  
**H01Q 1/1271** (2013.01); **H01Q 1/521** (2013.01); **H01Q 21/28** (2013.01)

Citation (search report)

- [X] US 5898407 A 19990427 - PAULUS PETER [DE], et al
- [X] US 3971029 A 19760720 - TORII TAKETSUGU, et al
- [X] US 2003156070 A1 20030821 - OOE JUNZO [JP], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)

Cited by  
EP3032642A4; US9270014B2

Designated contracting state (EPC)  
DE FR IT

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