

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

DOCDB simple family (publication)
EP 1686654 A1 20060802; EP 1686654 B1 20081231; DE 602006004484 D1 20090212; IT VI20050022 A1 20060729

DOCDB simple family (application)
EP 06100996 A 20060127; DE 602006004484 T 20060127; IT VI20050022 A 20050128