

Title (en)

Passive cellular telephone antenna system.

Title (de)

Passives Antennensystem für zellulares Telefon.

Title (fr)

Système d'antenne passif pour téléphone cellulaire.

Publication

EP 0458592 A2 19911127 (EN)

Application

EP 91304582 A 19910521

Priority

US 52718190 A 19900522

Abstract (en)

A mast radiator (12) is affixed to a glass or other non conductive exterior panel (16) of a vehicle and is provided with a dipole element (18) and one or more parasitic elements to exchange signals, with gain, between the mast (12) and the antenna of a portable cellular telephone unit within the vehicle. In the preferred embodiment, a separate base unit (14) with parasitic elements is mounted on the same glass panel (16) on the opposite surface and opposite the base of the mast radiator (12). <IMAGE>

IPC 1-7

H01Q 1/12; **H01Q 1/32**; **H04B 7/145**

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 1/12** (2006.01); **H01Q 1/32** (2006.01); **H04B 1/38** (2006.01); **H04B 7/14** (2006.01); **H04B 7/26** (2006.01)

CPC (source: EP KR)

H01Q 1/1285 (2013.01 - EP); **H01Q 1/3283** (2013.01 - EP); **H01Q 9/00** (2013.01 - KR)

Cited by

DE10243695B4; EP0684704A3; GB2266997A; US5898408A; US5600333A; US6172651B1

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EP 0458592 A2 19911127; **EP 0458592 A3 19920115**; **EP 0458592 B1 19960131**; AT E133814 T1 19960215; DE 69116733 D1 19960314; DE 69116733 T2 19960605; IE 72170 B1 19970326; IE 911756 A1 19911204; JP H0426233 A 19920129; KR 910020966 A 19911220; NO 911961 D0 19910522; NO 911961 L 19911125

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