

Title (en)
Hybrid monopole/log-periodic antenna

Title (de)
Hybride Monopol-/logarithmisch periodische Antenne

Title (fr)
Antenne hybride monopole/logarithmique périodique

Publication
EP 0588514 B1 19980923 (EN)

Application
EP 93306670 A 19930823

Priority
US 94503792 A 19920915

Abstract (en)
[origin: EP0588514A1] A monopole antenna (13) having a total length of about one-half wavelength of a signal in a desired broadcast band is provided having a log-periodic shape to increase its gain over a large bandwidth. The resulting hybrid of a log-periodic antenna and a half-wave monopole antenna has a small size adapted to be employed on a vehicle, such as being deposited on the glass of a vehicle in association with a de-misting heater grid. <IMAGE>

IPC 1-7
H01Q 1/12; **H01Q 11/10**

IPC 8 full level
H01Q 1/22 (2006.01); **H01Q 1/12** (2006.01); **H01Q 1/32** (2006.01); **H01Q 9/30** (2006.01); **H01Q 11/10** (2006.01)

CPC (source: EP)
H01Q 1/1271 (2013.01); **H01Q 11/105** (2013.01)

Cited by
US6002373A; CN105098358A; EP1517401A1; EP0661772A1; US5659324A; US11630366B2; US11631493B2; EP3224901A4; EP4207485A1; US11796885B2; US11114742B2; US11799187B2; US11579571B2; US7239283B2; US11732527B2; US11205926B2; US11740529B2; US10673121B2; US10797373B2; US11462814B2; US11670833B2; US11054711B2; US11750594B2; US11882111B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0588514 A1 19940323; **EP 0588514 B1 19980923**; DE 69321181 D1 19981029; DE 69321181 T2 19990218; JP H06196914 A 19940715

DOCDB simple family (application)
EP 93306670 A 19930823; DE 69321181 T 19930823; JP 22920593 A 19930914