

Title (en)

Aperture coupled radar antenna with radiating surfaces

Title (de)

Schlitzgekoppelte Radarantenne mit Strahlungsflächen

Title (fr)

Antenne radar à couplage d'ouverture aux surfaces rayonnants

Publication

EP 1469552 A3 20041222 (DE)

Application

EP 04003723 A 20040219

Priority

DE 10318815 A 20030417

Abstract (en)

[origin: EP1469552A2] A radar antenna (10) for automobile use with at least one feed network (18) on a first side (20) of a high frequency substrate (22), a metallic surface (sic) (24) on its second side (26) opposite the feed network, having at least one radiation surface (28), which is excited via aperture (30) in the metal mass surface and a dielectric (32) to emit electromagnetic waves, where the radiation surface (28) is fixed to the housing (12). An independent claim is included for a process for preparation of the radar antenna as described above.

IPC 1-7

H01Q 9/04; **H01Q 1/40**; **H01Q 1/32**

IPC 8 full level

H01Q 1/32 (2006.01); **H01Q 1/40** (2006.01); **H01Q 9/04** (2006.01)

CPC (source: EP US)

H01Q 1/3208 (2013.01 - EP US); **H01Q 1/3233** (2013.01 - EP US); **H01Q 1/40** (2013.01 - EP US); **H01Q 1/405** (2013.01 - EP US); **H01Q 9/0457** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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