

Title (en)

Broadband antenna with a 3-dimensional casting part

Title (de)

Breitband-Antenne mit einem 3-dimensionalen Gussteil

Title (fr)

Antenne à large bande avec une pièce coulée en trois dimensions

Publication

**EP 1434300 A3 20040922 (DE)**

Application

**EP 03028038 A 20031206**

Priority

CH 22102002 A 20021223

Abstract (en)

[origin: EP1434300A2] The device has a radiator element with as three-dimensional cast part arranged in front of a conducting reflector (13). The cast part has at least two planes of symmetry (15.1,15.3), is conducting and has a closed peripheral structure (11) with alternating constrictions and expansions and at least two attachment elements (12.1,12.2) connected to the reflector. At least one attachment element is used to electrically stimulate the radiator element. AN Independent claim is also included for the following: (a) a group antenna with several inventive antennas.

IPC 1-7

**H01Q 1/12**; **H01Q 21/26**

IPC 8 full level

**H01Q 1/12** (2006.01); **H01Q 7/00** (2006.01); **H01Q 9/26** (2006.01); **H01Q 21/26** (2006.01)

CPC (source: EP US)

**H01Q 1/1207** (2013.01 - EP US); **H01Q 7/00** (2013.01 - EP US); **H01Q 9/26** (2013.01 - EP US); **H01Q 9/265** (2013.01 - EP US); **H01Q 21/26** (2013.01 - EP US)

Citation (search report)

- [X] US 6034645 A 20000307 - LEGAY HERVE [FR], et al
- [X] AU 723272 B2 20000824 - RADIO FREQUENCY SYSTEMS PTY
- [A] US 4804965 A 19890214 - ROEDERER ANTOINE G [FR]
- [A] US 2166750 A 19390718 - CARTER PHILIP S
- [A] US 5285210 A 19940208 - SATO GENTEI [JP], et al

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EP2013941A4; EP2378610A4; EP1906491A1; EP2299537A3; EP1983606A1; US8395561B2; WO2023025382A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1434300 A2 20040630**; **EP 1434300 A3 20040922**; **EP 1434300 B1 20070418**; AT E360268 T1 20070515; DE 50307071 D1 20070531; HK 1067793 A1 20050415; US 2004155831 A1 20040812; US 6995732 B2 20060207

DOCDB simple family (application)

**EP 03028038 A 20031206**; AT 03028038 T 20031206; DE 50307071 T 20031206; HK 04110136 A 20041222; US 74423303 A 20031222