

Title (en)

Antenna, in particular a mobile radio telephone antenna, having a centering aid when being manufactured

Title (de)

Antenne, insbesondere Mobilfunkantenne, mit einer Zentrierhilfe bei ihrer Herstellung

Title (fr)

Antenne, en particuliere antenne de radiotelephonie mobile, avec moyen de centrage pendant la fabrication

Publication

EP 1318565 A1 20030611 (DE)

Application

EP 02023763 A 20021024

Priority

DE 10160253 A 20011207

Abstract (en)

The antenna has a base body for accommodating a receiving arrangement, especially an antenna coil, enclosed by a casing. The base body has an optionally shaped hole, e.g. a bore, whereby at least the base body is aligned by a defined shape centering pin for central insertion into the hole. The receiving arrangement can also be centered using the centering pin. <??>An Independent claim is also included for a method of manufacturing an inventive device.

Abstract (de)

Die Erfindung betrifft ein Verfahren zur Herstellung einer Antenne sowie eine Antenne, insbesondere eine Mobilfunkantenne für Fahrzeuge, wobei mittels eines Zentrierstiftes der Grundkörper, der mit einer Bohrung versehen ist, und die daran angeordneten Empfangsmittel zentriert in einer Form zur Herstellung einer Ummantelung ausgerichtet sind. <IMAGE>

IPC 1-7

H01Q 1/40; **H01Q 1/32**

IPC 8 full level

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

CPC (source: EP US)

H01Q 1/3275 (2013.01 - EP US); **H01Q 1/40** (2013.01 - EP US); **Y10T 29/49016** (2015.01 - EP US); **Y10T 29/49018** (2015.01 - EP US); **Y10T 29/49176** (2015.01 - EP US)

Citation (search report)

- [X] US 6137452 A 20001024 - SULLIVAN JONATHAN L [US]
- [X] US 6271804 B1 20010807 - YANAGISAWA WASUKE [JP], et al
- [X] WO 9848474 A1 19981029 - WENDEL LARS [SE]
- [X] EP 0893841 A1 19990127 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] US 4435713 A 19840306 - GASPARAITIS BERNARD [US], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 13 30 November 1999 (1999-11-30)

Cited by

DE102006035781A1; EP1750327A3; EP1750327A2; WO2008014990A1

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