

Title (en)

RADAR DEVICE

Title (de)

INTEGRIERTE SCHALTUNG FÜR EIN RADARGERÄT IN HERMETISCH ABGESCHLOSSENEM GEHÄUSE MIT EINER AUS EINEM BLECH-BIEGETEIL GEFORMTEN PATCH-ANTENNE

Title (fr)

RADAR

Publication

**EP 1410062 A2 20040421 (DE)**

Application

**EP 02708173 A 20020126**

Priority

- DE 0200273 W 20020126
- DE 10104865 A 20010203
- DE 10104862 A 20010203

Abstract (en)

[origin: WO02063334A2] The invention relates to a compact radar device that can be produced with little complication and that comprises at least one cavity (3) with a radiation element (10) disposed therein and a shielded chamber (2) for electrical circuits (4). A housing (1) is designed in such a manner that it defines both the shielded chamber (2) for the electrical circuits (4) and the at least one cavity (3) for the at least one antenna radiation element (10). A printed board (5) carries the electrical circuits (4) and is inserted into the housing (1) between the two chambers (2, 3) as a shielding partition. The antenna radiation element (10) is electrically coupled to the two conductor arms to a feed network on the printed board (5) via contact pins (16, 19).

IPC 1-7

**G01S 7/03**; H01Q 1/52; H01Q 9/04

IPC 8 full level

**G01D 5/24** (2006.01); **G01V 3/08** (2006.01); **G01V 3/11** (2006.01); **H01Q 1/52** (2006.01); **H01Q 9/04** (2006.01); **H05K 3/30** (2006.01); **H01R 4/02** (2006.01)

CPC (source: EP US)

**G01D 5/2405** (2013.01 - EP US); **G01V 3/088** (2013.01 - EP US); **H01Q 1/526** (2013.01 - EP US); **H01Q 9/0407** (2013.01 - EP US); **H05K 3/308** (2013.01 - EP US); **G01S 13/888** (2013.01 - EP US); **H01R 4/027** (2013.01 - EP US); **H01R 12/707** (2013.01 - EP US)

Citation (search report)

See references of WO 02063334A2

Citation (examination)

- EP 0978729 A2 20000209 - HITACHI LTD [JP]
- EP 0660135 A2 19950628 - TRW INC [US]
- US 5680139 A 19971021 - HUGUENIN G RICHARD [US], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02063334 A2 20020815**; **WO 02063334 A3 20021227**; EP 1410062 A2 20040421; US 2005128122 A1 20050616; US 7180440 B2 20070220

DOCDB simple family (application)

**DE 0200273 W 20020126**; EP 02708173 A 20020126; US 48249602 A 20020126