

## Title (en)

RADAR DEVICE, IN PARTICULAR FOR A MOTOR VEHICLE

## Title (de)

RADAREINRICHTUNG, INSBESONDERE FÜR EIN KRAFTFAHRZEUG

## Title (fr)

SYSTÈME DE RADAR, EN PARTICULIER POUR VÉHICULE AUTOMOBILE

## Publication

**EP 2989483 A1 20160302 (DE)**

## Application

**EP 14715277 A 20140403**

## Priority

- DE 102013104147 A 20130424
- EP 2014056679 W 20140403

## Abstract (en)

[origin: WO2014173650A1] The invention relates to a radar device (1), in particular for a motor vehicle, comprising a housing having a first housing part (2) defining a receiving space (20), and having a second housing part (3) attached to the first housing part (2) and forming a cover of at least the receiving space (20). The radar device further comprises a circuit carrier (4) accommodated inside the housing (2), wherein on a first surface (40) that in the desired mounting position faces the second housing part (3), the circuit carrier (4) is provided with at least one transmit antenna means (5) for transmitting radar beams, and with at least one receive antenna means (6a, 6b) for receiving radar beams, and on a second surface (41) is provided with electronic high frequency circuit components and low frequency circuit components, and having at least one shielding means inside the housing. The shielding means is designed for an electromagnetic radiation shielding, characterized in that the shielding means comprises a one-piece shielding body (7) arranged between the first housing part (2) and the second housing part (3), and which is configured such that the shielding body (7) can encircle the electronic high frequency circuit components and low frequency circuit components.

## IPC 8 full level

**G01S 7/03** (2006.01); **G01S 13/931** (2020.01)

## CPC (source: EP US)

**G01S 7/03** (2013.01 - US); **G01S 7/032** (2013.01 - EP US); **G01S 13/931** (2013.01 - EP US); **G01S 7/027** (2021.05 - EP US)

## Citation (search report)

See references of WO 2014173650A1

## Citation (examination)

- DE 102011052363 A1 20130207 - HELLA KGAA HUECK & CO [DE]
- EP 1777551 A2 20070425 - HITACHI LTD [JP]
- EP 1307078 A2 20030502 - HITACHI LTD [JP]
- JP H1198034 A 19990409 - FUJITSU GENERAL LTD
- US 2009251362 A1 20091008 - MARGOMENOS ALEXANDROS [US], et al
- US 2009251356 A1 20091008 - MARGOMENOS ALEXANDROS [US]

## Designated contracting state (EPC)

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## Designated extension state (EPC)

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## DOCDB simple family (application)

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