Title (en)

ANTENNA DEVICE FOR A RADAR SENSOR

Title (de)

ANTENNENVORRICHTUNG FÜR EINEN RADARSENSOR

Title (fr)

DISPOSITIF ANTENNE POUR DÉTECTEUR RADAR

Publication

EP 3427340 A1 20190116 (DE)

Application

EP 17701101 A 20170118

Priority

- DE 102016203998 A 20160311
- EP 2017050983 W 20170118

Abstract (en)

[origin: WO2017153073A1] Antenna device (100) for a radar sensor (200) having: – at least one first antenna group (20) arranged on a surface of a substrate (1) and having a defined number of serially connected planar antenna elements (10); – at least one second antenna group (30) arranged on the surface of the substrate (1) and having a defined number of serially connected planar antenna elements (10); a feed line (12) which is connected to the centre of each of the the two antenna groups (20, 30); – wherein a feed signal can be fed into the antenna group (20, 30) by means of the feed line (12) in such way that a feed signal which is phase-shifted by 180 degrees with respect to the second antenna group (30) can be fed to the first antenna group (20).

IPC 8 full level

G01S 7/03 (2006.01); **G01S 13/93** (2006.01); **G01S 13/931** (2020.01); **H01Q 1/32** (2006.01); **H01Q 13/20** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP KR US)

G01S 7/032 (2013.01 - EP KR US); **G01S 13/931** (2013.01 - EP KR US); **H01Q 1/3233** (2013.01 - EP KR US); **H01Q 13/206** (2013.01 - EP KR US); **H01Q 21/0075** (2013.01 - EP KR US); **H01Q 21/065** (2013.01 - EP KR US); G01S 2013/93271 (2020.01 - EP KR US); G01S 2013/93272 (2020.01 - EP KR US); G01S 2013/93274 (2020.01 - EP KR US)

Citation (search report)

See references of WO 2017153073A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017153073 A1 20170914; CN 108780950 A 20181109; CN 108780950 B 20210810; DE 102016203998 A1 20170914; EP 3427340 A1 20190116; JP 2019507986 A 20190322; JP 6694967 B2 20200520; KR 20180120233 A 20181105; MX 2018010897 A 20181109; US 10996330 B2 20210504; US 2019086535 A1 20190321

DOCDB simple family (application)

EP 2017050983 W 20170118; CN 201780016243 A 20170118; DE 102016203998 A 20160311; EP 17701101 A 20170118; JP 2018544347 A 20170118; KR 20187028812 A 20170118; MX 2018010897 A 20170118; US 201716083728 A 20170118