

Title (en)
DIPLEXER FOR HOMODYNE FMCW RADAR DEVICE

Title (de)
DIPLEXER FÜR HOMODYNES FMCW-RADARGERÄT

Title (fr)
DIPLEXEUR POUR RADAR FMCW HOMODYNE

Publication
EP 2656434 A1 20131030 (DE)

Application
EP 11796947 A 20111201

Priority
• DE 102010063800 A 20101221
• EP 2011071460 W 20111201

Abstract (en)
[origin: WO2012084443A1] The invention relates to a diplexer (30) for a homodyne FMCW radar device, which diplexer (30) is defined by small dimensions of its hollow conductor structure and can therefore be fabricated easily and cost-effectively. The hollow conductor structures of the diplexer (30) can be cut out of two half shells (32, 34), and the latter can be joined together to form the diplexer (30). Various materials are conceivable for the half shells (32, 34).

IPC 8 full level
H01P 1/213 (2006.01); **H01P 5/18** (2006.01)

CPC (source: EP US)
H01P 1/2138 (2013.01 - EP US); **H01P 5/182** (2013.01 - EP US)

Citation (search report)
See references of WO 2012084443A1

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

DOCDB simple family (publication)
WO 2012084443 A1 20120628; CN 103348529 A 20131009; CN 103348529 B 20150930; DE 102010063800 A1 20120621; EP 2656434 A1 20131030; EP 2656434 B1 20180221; JP 2014507083 A 20140320; JP 5789673 B2 20151007; US 2013271237 A1 20131017; US 9093735 B2 20150728

DOCDB simple family (application)
EP 2011071460 W 20111201; CN 201180062287 A 20111201; DE 102010063800 A 20101221; EP 11796947 A 20111201; JP 2013545151 A 20111201; US 201113995684 A 20111201