

Title (en)
RADIO FREQUENCY MODULE AND CIRCUIT BOARD

Title (de)
HOCHFREQUENZMODUL UND LEITERPLATTE

Title (fr)
MODULE À RADIO FRÉQUENCE ET CARTE DE CIRCUIT IMPRIMÉ

Publication
EP 3304644 A4 20190102 (EN)

Application
EP 16799413 A 20160524

Priority
• FI 20155386 A 20150525
• FI 2016050351 W 20160524

Abstract (en)
[origin: WO2016189199A1] An RF-module and a circuit board comprising an RF-module, wherein the RF-module has a sandwich structure which comprises an antenna layer(102) processed from organic substrate material, the antenna layer comprising an antenna element, a ground plane (104) below the antenna layer,a component board(106) below the ground plane, to which components are attached, e.g. by reflow soldering, the components comprising IPD-based matching and filtering circuit of the antenna (108), and connectors (112) for coupling the RF-module to a circuit board.

IPC 8 full level
H01Q 1/22 (2006.01); **H04B 1/38** (2015.01); **H05K 1/02** (2006.01); **H05K 1/14** (2006.01); **H05K 1/16** (2006.01); **H05K 1/18** (2006.01); **H05K 3/34** (2006.01); **H05K 3/36** (2006.01)

CPC (source: EP FI)
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Citation (search report)
• [X1] US 2008036668 A1 20080214 - WHITE GEORGE E [US], et al
• [X1] US 2008158063 A1 20080703 - ZENG XIANG YIN [CN], et al
• [X1] US 2014028518 A1 20140130 - ARNOLD SHAWN XAVIER [US], et al
• See references of WO 2016189199A1

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 2016189199 A1 20161201; EP 3304644 A1 20180411; EP 3304644 A4 20190102; FI 127701 B 20181231; FI 20155386 A 20161126

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