

Title (en)  
RF COMPONENT

Title (de)  
RF-BAUTEIL

Title (fr)  
COMPOSANT RF

Publication  
**EP 3888178 A4 20220105 (EN)**

Application  
**EP 18941372 A 20181130**

Priority  
FI 2018050869 W 20181130

Abstract (en)  
[origin: WO2020109649A1] An RF component (100) for use in a coaxial cable network, the component comprising a multilayer printed circuit board (PCB) (102) having an outer form with an elongated rod (104), the rod of the PCB comprising a grounded bottom layer (122); a middle layer embodying a signal track (124); a grounded top layer (120); and a plurality of via holes (128, 130) at both sides of the elongated rod extending from the bottom layer (122) through the middle layer (126) to the top layer (120).

IPC 8 full level  
**H01P 1/36** (2006.01); **H01P 1/162** (2006.01); **H01P 1/212** (2006.01); **H01P 3/06** (2006.01); **H01P 3/08** (2006.01); **H04B 3/28** (2006.01); **H05K 1/02** (2006.01)

CPC (source: EP)  
**H01P 1/36** (2013.01); **H01P 3/06** (2013.01); **H01P 3/085** (2013.01); **H05K 1/0245** (2013.01); **H05K 2201/09609** (2013.01); **H05K 2201/09618** (2013.01)

Citation (search report)

- [A] US 4101850 A 19780718 - DWORSKY LAWRENCE NOAH, et al
- [A] US 4845311 A 19890704 - SCHREIBER CHRISTOPHER M [US], et al
- [A] JP 2000261235 A 20000922 - MITSUBISHI ELECTRIC CORP
- [A] CN 202564510 U 20121128 - UNIV SOUTHEAST
- [A] LIU BING ET AL: "A Novel Slot Array Antenna With a Substrate-Integrated Coaxial Line Technique", IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol. 16, 2 January 2017 (2017-01-02), pages 1743 - 1746, XP011654904, ISSN: 1536-1225, [retrieved on 20170626], DOI: 10.1109/LAWP.2017.2671444
- See references of WO 2020109649A1

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 2020109649 A1 20200604**; EP 3888178 A1 20211006; EP 3888178 A4 20220105

DOCDB simple family (application)  
**FI 2018050869 W 20181130**; EP 18941372 A 20181130