

Title (en)  
CIRCUIT ASSEMBLY

Title (de)  
SCHALTUNGSANORDNUNG

Title (fr)  
ENSEMBLE DE CIRCUITS

Publication  
**EP 3747084 A1 20201209 (DE)**

Application  
**EP 19702881 A 20190131**

Priority  
• DE 102018201580 A 20180201  
• EP 2019052380 W 20190131

Abstract (en)  
[origin: CA3090193A1] A circuitry for feeding an antenna structure includes an input for LHCP signals, an input for RHCP signals as well as four antenna outputs. In addition, the circuitry includes first, second and third quadrature hybrids as well as at least two delay lines. The first quadrature hybrid is coupled, on the input side, to the first and second inputs and is coupled, on the output side, to the second and third quadrature hybrids. The second quadrature hybrid is coupled, on the output side, to two of the four antenna outputs, the third quadrature hybrid being coupled, on the output side, to two further ones of the four antenna outputs. The at least two delay lines are arranged at two of the four antenna outputs.

IPC 8 full level  
**H01Q 9/04** (2006.01); **H01P 5/22** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP US)  
**H01P 5/227** (2013.01 - US); **H01Q 9/0428** (2013.01 - EP US); **H01Q 21/0006** (2013.01 - US); **H01Q 21/24** (2013.01 - US);  
**H01P 5/227** (2013.01 - EP); **H01Q 9/0414** (2013.01 - US); **H01Q 21/0006** (2013.01 - EP); **H01Q 21/24** (2013.01 - EP)

Citation (search report)  
See references of WO 2019149820A1

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)  
**DE 102018201580 A1 20190801**; **DE 102018201580 B4 20191107**; CA 3090193 A1 20190808; CA 3090193 C 20231017;  
EP 3747084 A1 20201209; EP 3747084 B1 20220316; ES 2913762 T3 20220606; US 11424553 B2 20220823; US 2020366001 A1 20201119;  
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**DE 102018201580 A 20180201**; CA 3090193 A 20190131; EP 19702881 A 20190131; EP 2019052380 W 20190131; ES 19702881 T 20190131;  
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