

Title (en)

BROADBAND DIRECTIONAL COUPLER WITH ADJUSTABLE DIRECTIONALITY

Title (de)

BREITBANDIGER RICHTKOPPLER MIT EINSTELLBARER RICHTSCHÄRFE

Title (fr)

COUPLEUR ORIENTÉ À LARGE BANDE ET À NETTETÉ D'ORIENTATION AJUSTABLE

Publication

EP 2160794 B1 20121226 (DE)

Application

EP 08773406 A 20080612

Priority

- EP 2008004726 W 20080612
- DE 102007029125 A 20070625

Abstract (en)

[origin: WO2009000431A1] A directional coupler for directed transmission of radio-frequency signals has at least three lines (16, 18, 19) and at least three connections (11, 12, 13, 14). Two lines (18, 19) of the three lines (16, 18, 19) are conductively connected at least at their ends. A third line (16) is arranged between the two first lines (18, 19) and is electromagnetically coupled to them. In this case, the radio-frequency signal is transmitted from the third line (16) to the first line (18) and the second line (19). The coupling takes place via a coupling gap.

IPC 8 full level

H01P 5/18 (2006.01)

CPC (source: EP US)

H01P 5/184 (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

DE 102007029125 A1 20090102; EP 2160794 A1 20100310; EP 2160794 B1 20121226; IL 202900 A 20131031; PT 2160794 E 20130121; US 2010134201 A1 20100603; US 8258889 B2 20120904; WO 2009000431 A1 20081231

DOCDB simple family (application)

DE 102007029125 A 20070625; EP 08773406 A 20080612; EP 2008004726 W 20080612; IL 20290009 A 20091222; PT 08773406 T 20080612; US 59497108 A 20080612