

Title (en)
Directional coupling device

Title (de)
Richtungskopplungsvorrichtung

Title (fr)
Dispositif de couplage directionnel

Publication
EP 2211421 A1 20100728 (EN)

Application
EP 09290041 A 20090121

Priority
EP 09290041 A 20090121

Abstract (en)
The directional coupling device for coupling transmission power in a main transmission line 10 with a coupled line 20. The directional coupling device comprises a coupling transmission line 20. The coupling transmission line 20 is a stripline transmission line comprising a coupling conductive strip 40 supported by a suspended substrate 100. The suspended substrate 100 is arranged between the coupling strip 40 and the main transmission line 10.

IPC 8 full level
H01P 5/18 (2006.01)

CPC (source: EP)
H01P 5/184 (2013.01)

Citation (applicant)
US 7192882 B2 20070320 - BERGSTEDT LEIF [SE], et al

Citation (search report)
• [X] EP 0671777 A1 19950913 - HUGHES AIRCRAFT CO [US]
• [A] US 5977915 A 19991102 - BERGSTEDT LEIF [SE], et al
• [A] US 2005237137 A1 20051027 - DUTTA ACHYUT K [US]
• [A] US 3771075 A 19731106 - PHELAN H

Citation (examination)
• US 4521755 A 19850604 - CARLSON ERIC R [US], et al
• US 2002075104 A1 20020620 - KWON YOUNG-SE [KR], et al
• MALORATSKY L G: "REVIEWING THE BASICS OF SUSPENDED STRIPLINES", MICROWAVE JOURNAL, HORIZON HOUSE PUBLICATIONS, NORWOOD, MA, US, vol. 45, no. 10, 1 October 2002 (2002-10-01), pages 82,84,86,88,91/92,94,96,98, XP001132173, ISSN: 0192-6225
• SHIBAN K. KOUL, BHARATHI BHAT: "Inverted Microstrip and Suspended Microstrip with Anisotropic Substrates", PROCEEDINGS OF THE IEEE, vol. 70, no. 10, 1 April 1982 (1982-04-01), pages 1230 - 1231, Retrieved from the Internet <URL:http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=1456718>

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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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2211421 A1 20100728

DOCDB simple family (application)
EP 09290041 A 20090121