

Title (en)

Microwave hybrid ring coupling device.

Title (de)

Mikrowellenringhybrid.

Title (fr)

Dispositif de couplage à micro-ondes en forme d'anneau hybride.

Publication

EP 0114958 A1 19840808 (DE)

Application

EP 83111585 A 19831119

Priority

DE 3248641 A 19821230

Abstract (en)

[origin: US4613834A] A microwave ring hybrid on a dielectric carrier substrate is provided with connecting arms designed in microstrip technique. The ring of the hybrid comprises a slit line made in a conductive layer on the side of the carrier substrate opposite that on which the strip conductors of the microstrip lines for the connecting arms are disposed.

Abstract (de)

Ein Mikrowellenringhybrid auf einem dielektrischen Trägersubstrat (5) weist Anschlußarme (1, 2, 3, 4) in Microstrip-Technik auf. Der Ring (6) des Hybrids besteht aus einer Schlitzleitung, die in eine leitfähige Schicht auf der den Anschlußarmen (1, 2, 3, 4) abgewandten Seite des Trägersubstrates (5) eingelassen ist.

IPC 1-7

H01P 5/22

IPC 8 full level

H01P 5/22 (2006.01)

CPC (source: EP US)

H01P 5/222 (2013.01 - EP US)

Citation (search report)

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- [A] US 3772599 A 19731113 - ERNST R, et al
- [A] US 3946339 A 19760323 - OLTMAN JR HENRY G, et al
- [Y] Patent Abstracts of Japan Band 6, Nr. 182, 18. September 1982 & JP-A-57-97204
- [A] Patent Abstracts of Japan Band 3, Nr. 124, 17. Oktober 1979 Seite 158E144 & JP-A-54-101615

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DE3741789C1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 83111585 A 19831119; CA 444372 A 19831229; DE 3248641 A 19821230; DE 3376599 T 19831119; US 56472283 A 19831223