

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)

- [Y] US 2749521 A 19560605 - ENGELMANN HERBERT F, et al
- [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

Cited by

DE3741789C1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0114958 A1 19840808; EP 0114958 B1 19880511**; CA 1215752 A 19861223; DE 3248641 A1 19840712; DE 3376599 D1 19880616; US 4613834 A 19860923

DOCDB simple family (application)

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