

Title (en)
Microwave triplate module.

Title (de)
Mikrowellenmodul des Streifenleitungstyps.

Title (fr)
Module hyperfréquence triplaque.

Publication
EP 0465994 B1 19951018 (FR)

Application
EP 91110948 A 19910702

Priority
FR 9008491 A 19900704

Abstract (en)
[origin: JPH04233802A] PURPOSE: To change a plane and to distribute energy to a prescribed number of channels without using a mechanical link with respect to radio wave propagation in a stripe line mode. CONSTITUTION: First and second lines 10 and 11 placed on a first plane and a coupling aperture 17 which is placed on a second plane so that transmission is possible between two lines 10 and 11 are provided. The center part of this module consists of a pair of cavities 12 and 13 formed in two conductive blocks, for example, metallic blocks 14 and 15 respectively, and one of cavities 12 and 13 is placed on the other, and they are separated by a plane conductive part, for example, a metallic disk. The plane conductive part 16 has a periphery which constitutes a coupling slot to send a radio energy from one cavity to the other at the time when it is engaged with a pair of rims belonging to cavities 12 and 13. Therefore, transmission of the energy follows the geometrical forms of cavities 12 and 13 and the coupling slot 17.

IPC 1-7
H01P 5/18

IPC 8 full level
H01P 5/08 (2006.01); **H01P 5/02** (2006.01); **H01P 5/12** (2006.01); **H01P 5/18** (2006.01); **H01P 5/22** (2006.01); **H01P 7/08** (2006.01)

CPC (source: EP US)
H01P 5/187 (2013.01 - EP US)

Cited by
EP0671777A1; US5471181A

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0465994 A1 19920115; **EP 0465994 B1 19951018**; CA 2046111 A1 19920105; DE 69113885 D1 19951123; DE 69113885 T2 19960321; FR 2664432 A1 19920110; FR 2664432 B1 19921120; JP 3020312 B2 20000315; JP H04233802 A 19920821; US 5212462 A 19930518

DOCDB simple family (application)
EP 91110948 A 19910702; CA 2046111 A 19910703; DE 69113885 T 19910702; FR 9008491 A 19900704; JP 16465091 A 19910704; US 72510191 A 19910703