Title (en)

Polarisation branch for two different frequency bands

Title (de)

Polarisationsweiche für zwei unterschiedliche Frequenzbänder

Title (fr)

Aiguillage de polarisation pour deux bandes de fréquence différentes

Publication

EP 0898323 A3 20000405 (DE)

Application

EP 98401839 A 19980720

Priority

DE 19735547 A 19970816

Abstract (en)

[origin: EP0898323A2] The polarisation device has a hollow waveguide section supplied with two linearly polarised waves for two different frequency bands, coupled to two rectangular waveguides for each frequency band. The waveguides are offset from one another in the axial direction of the hollow waveguide section. The rectangular waveguide for the higher frequency band is divided into two flat rectangular arms (18, 19, 24, 25) joined to the hollow waveguide section at diametrically opposing points.

IPC 1-7 (main, further and additional classification)

H01P 1/213

IPC 8 full level (invention and additional information)

H01P 1/213 (2006.01)

CPC (invention and additional information)

H01P 1/2131 (2013.01)

Citation (search report)

- [AD] EP 0096461 A2 19831221 - ANDREW CORP [US]
- [A] US 4956622 A 19900911 - DE RONDE FRANS C [GB]

- [A] BOIFOT A M: "CLASSIFICATION OF ORTHO-MODE TRANSDUCERS", EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS AND RELATED TECHNOLOGIES,IT,AEI, MILANO, vol. 2, no. 5, pages 35-42, XP000266379, ISSN: 1120-3862
- [A] DAS B N ET AL: "A RIGOROUS VARIATIONAL FORMULATION OF AN H PLANE SLOT-COUPLED TEE JUNCTION", IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES,US,IEEE INC. NEW YORK, vol. 38, no. 1, pages 93-95, XP000142212, ISSN: 0018-9480
- [A] MA Z ET AL: "EFFICIENT CHARACTERIZATION OF COMPLEX H-PLANE WAVEGUIDE PI-JUNCTIONAND CROSS-JUNCTIONS", IEICE TRANSACTIONS ON ELECTRONICS,JP,INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, vol. E79-C, no. 3, pages 444-452, XP000594520, ISSN: 0916-8524

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family

DE 19735547 A1 19990218; AU 742126 B2 20011220; AU 7989798 A 19990225; BR 9803749 A 19991221; EP 0898323 A2 19990224; EP 0898323 A3 20000405; US 6150899 A 20001121