

Title (en)

Device for coupling a probe to a waveguide

Title (de)

Anordnung zum Ankoppeln einer Sonde an einen Hohlleiter

Title (fr)

Dispositif de couplage d'une sonde à un guide d'ondes

Publication

**EP 0798804 A3 19980722 (DE)**

Application

**EP 96115285 A 19960924**

Priority

DE 19611841 A 19960326

Abstract (en)

[origin: EP0798804A2] The coupling between a probe (4) and a hollow waveguide (1) is provided by a wave reflection filter structure (6). This is positioned in the separation plane between the two halves (2,3) of the housing (2,3) of the waveguide, adjacent to the probe. The filter arrangement may have a waffle iron surface structure, and the probe is provided by the inner conductor of a coaxial line, with its outer conductor galvanically connected to the half of the waveguide housing (3) supporting the probe.

IPC 1-7

**H01P 5/10**

IPC 8 full level

**H01P 5/10** (2006.01); **H01P 5/103** (2006.01); **H01P 5/107** (2006.01)

CPC (source: EP KR)

**H01P 5/103** (2013.01 - EP KR); **H01P 5/107** (2013.01 - EP KR); **H01P 5/184** (2013.01 - KR)

Citation (search report)

- [A] GB 1072990 A 19670621 - THOMSON HOUSTON COMP FRANCAISE
- [A] DE 3019523 A1 19811126 - LICENTIA GMBH [DE]
- [XA] PATENT ABSTRACTS OF JAPAN vol. 16, no. 224 (E - 1206) 25 May 1992 (1992-05-25)
- [X] PATENT ABSTRACTS OF JAPAN vol. 5, no. 145 (E - 074) 12 September 1981 (1981-09-12)
- [A] PATENT ABSTRACTS OF JAPAN vol. 5, no. 113 (E - 066) 22 July 1981 (1981-07-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 376 (E - 563) 8 December 1987 (1987-12-08)

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CN105244575A

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**EP 0798804 A2 19971001**; **EP 0798804 A3 19980722**; **EP 0798804 B1 20030709**; DE 19611841 A1 19971009; DE 59610594 D1 20030814; KR 970067999 A 19971013

DOCDB simple family (application)

**EP 96115285 A 19960924**; DE 19611841 A 19960326; DE 59610594 T 19960924; KR 19970010256 A 19970325