

Title (en)
FLANGE COUPLING

Publication
EP 0303905 A3 19900425 (DE)

Application
EP 88112692 A 19880804

Priority
DE 3727797 A 19870820

Abstract (en)
[origin: JPS6461101A] PURPOSE: To achieve the coaxiality of two waveguides with sufficient precision by radially surrounding the ends of two waveguides with an elastic centering ring. CONSTITUTION: A centering ring has an inner diameter a little smaller than the outer diameter of waveguides to be bonded, and radial spring operation is achieved by providing a slit running parallelly with the axial line of the centering ring. Such a core matching ring 3 surrounds the respective ends of two waveguides 1a and 1b. When the waveguides 1a and 1b have difference in their outer radius at their ends, through the radial elastic operation of this centering ring 3, the waveguides are automatically set at coaxial positions by the core matching ring 3.

IPC 1-7
H01P 1/04

IPC 8 full level
F16D 1/033 (2006.01); **H01P 1/04** (2006.01)

CPC (source: EP US)
H01P 1/042 (2013.01 - EP US)

Citation (search report)
• [A] DE 2030338 A1 19720330 - SIEMENS AG
• [A] US 2892987 A 19590630 - CEDRONE NICHOLAS J
• [A] GB 843229 A 19600804 - SCOTTISH AGRICULTURAL IND LTD
• [A] US 2783295 A 19570226 - EWING LEWIS M
• [A] GB 2170055 A 19860723 - RAYTHEON CO
• [A] SIEMENS ZEITSCHRIFT, Band 42, Heft 7, Juli 1968, Seiten 507-511; E. GILLITZER et al.: "Mikrowellenleitungen für Richtfunkanlagen"

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

DOCDB simple family (publication)
EP 0303905 A2 19890222; EP 0303905 A3 19900425; EP 0303905 B1 19931020; DE 3727797 A1 19890302; DE 3885038 D1 19931125; JP S6461101 A 19890308; US 4878037 A 19891031

DOCDB simple family (application)
EP 88112692 A 19880804; DE 3727797 A 19870820; DE 3885038 T 19880804; JP 16864388 A 19880706; US 23382688 A 19880819