

Title (en)
Waveguide rotating joint.

Title (de)
Hohlleiter-Drehkupplung.

Title (fr)
Joint rotatif pour guide d'ondes.

Publication
EP 0089414 A1 19830928 (DE)

Application
EP 82111644 A 19821215

Priority
DE 3209906 A 19820318

Abstract (en)
[origin: US4533887A] A rotary waveguide coupling including coupling members which are coaxially rotatable with respect to one another and comprise waveguide sections produced by dividing an annular waveguide in a longitudinal sectional plane. Inputs and outputs of the waveguides to be rotated with respect to one another disposed in the side walls of the waveguide sections.

Abstract (de)
Bei dieser Drehkupplung bestehen die gegeneinander verdrehbaren Kupplungsglieder aus Teilhohlleiter (1, 2) die durch Teilung eines ringförmigen Hohlleiters in einer Längsschnittebene entstanden sind. In den Seitenwänden der Teilhohlleiter sind die Ein- bzw. Ausgänge (3, 4) der gegeneinander zu verdrehenden Wellenleiter angeordnet.

IPC 1-7
H01P 1/06

IPC 8 full level
H01P 1/06 (2006.01)

CPC (source: EP US)
H01P 1/068 (2013.01 - EP US)

Citation (search report)

- [X] US 3604009 A 19710907 - BEHNKE MARVIN C
- [Y] FR 2092709 A1 19720128 - COMP GENERALE ELECTRICITE
- [Y] FR 58182 E 19530929 - THOMSON HOUSTON COMP FRANCAISE
- [X] US 4255751 A 19810310 - GOODMAN JR ROBERT M
- [X] FR 1407755 A 19650806 - COMP GENERALE ELECTRICITE
- [X] US 3852762 A 19741203 - HENF G, et al
- [XP] US 4358746 A 19821109 - MILLER COLEMAN J, et al

Cited by
FR2984612A1; EP2189628A3; US9097132B2; DE102021124509A1

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

DOCDB simple family (publication)
EP 0089414 A1 19830928; EP 0089414 B1 19870902; AT E29342 T1 19870915; BR 8301338 A 19831129; CA 1194947 A 19851008; DE 3209906 A1 19840202; DE 3277160 D1 19871008; US 4533887 A 19850806

DOCDB simple family (application)
EP 82111644 A 19821215; AT 82111644 T 19821215; BR 8301338 A 19830317; CA 423801 A 19830317; DE 3209906 A 19820318; DE 3277160 T 19821215; US 47620383 A 19830317