

Title (en)
ELLIPTICAL WAVEGUIDE

Title (de)
Elliptischer Wellenleiter

Title (fr)
GUIDE D'ONDE ELLIPTIQUE

Publication
EP 0571449 B1 19980715 (EN)

Application
EP 92904543 A 19920213

Priority
• GB 9200260 W 19920213
• GB 9103067 A 19910213

Abstract (en)
[origin: WO9215125A1] Elliptical waveguide is formed by feeding an electrically conductive strip (1) through a forming tool (2) and pressing the formed strip onto a mandrel (5) in a helical configuration. The adjacent edges of the strip are mechanically interlocked by folding over each other to impart flexible and twistable properties to the waveguide. A seaming wire may be interposed in the folds to reduce escape of electromagnetic energy. The edges may also be soldered to form flexible waveguide.

IPC 1-7
H01P 3/127; **H01P 3/14**; **H01P 11/00**

IPC 8 full level
H01P 3/127 (2006.01); **H01P 3/14** (2006.01); **H01P 11/00** (2006.01)

CPC (source: EP KR)
H01P 3/127 (2013.01 - EP KR); **H01P 3/14** (2013.01 - EP); **H01P 11/002** (2013.01 - EP)

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
WO 9215125 A1 19920903; AU 1229792 A 19920915; CA 2103570 A1 19920814; CA 2103570 C 20020430; CH 687655 A5 19970115; DE 69226262 D1 19980820; DE 69226262 T2 19990401; EP 0571449 A1 19931201; EP 0571449 B1 19980715; GB 2268001 A 19931222; GB 2268001 B 19950705; GB 9103067 D0 19910327; GB 9202892 D0 19920325; GB 9316815 D0 19931020; JP H06505599 A 19940623; KR 100260585 B1 20000701

DOCDB simple family (application)
GB 9200260 W 19920213; AU 1229792 A 19920213; CA 2103570 A 19920213; CH 322192 A 19920213; DE 69226262 T 19920213; EP 92904543 A 19920213; GB 9103067 A 19910213; GB 9202892 A 19920212; GB 9316815 A 19920213; JP 50417892 A 19920213; KR 920702540 A 19921013