

Title (en)
Waveguide fitting

Title (de)
Hohlleiterarmatur

Title (fr)
Armature pour guides d'ondes

Publication
EP 1233469 A3 20030730 (DE)

Application
EP 02000714 A 20020111

Priority
DE 10103576 A 20010126

Abstract (en)
[origin: US2002109559A1] A waveguide fitting for connecting in particular a rectangular waveguide to an elliptical waveguide can be assembled particularly easily and yet provides a very low-reflection connection if the fitting at least at one end is conductively provided with the first section of a sleeve of which the second section is designed to receive the end region of the waveguide to be connected and which is divided at least in this second section by narrow capillary-action axial slots into radially springing lamellae which, after insertion of the waveguide, abut against the outer wall thereof, and in addition the inner wall at least of the second section of the sleeve is designed to receive a solder deposit. To make the connection, it is then necessary only to heat the whole junction with an external heat source until the solder in the solder deposits melts and fills the gaps between the inner wall of this section of the sleeve and the outer wall of the waveguide.

IPC 1-7
H01P 1/04; **H01P 5/08**

IPC 8 full level
H01P 1/04 (2006.01); **H01P 5/08** (2006.01)

CPC (source: EP US)
H01P 1/042 (2013.01 - EP US); **H01P 5/082** (2013.01 - EP US)

Citation (search report)

- [A] US 3336543 A 19670815 - JOHNSON ERNEST H, et al
- [A] EP 0543218 A1 19930526 - ALCATEL ITALIA [IT]
- [A] US 1947581 A 19340220 - CORNELIUS LOUIS A
- [A] GB 442431 A 19360203 - HENRY WINDER BROWNSDON, et al

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1233469 A2 20020821; **EP 1233469 A3 20030730**; US 2002109559 A1 20020815; US 6710674 B2 20040323

DOCDB simple family (application)
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