

Title (en)

E-plane corner for a rectangular wave guide.

Title (de)

Rechteckhohlleiter-E-Winkelstück.

Title (fr)

Coude dans le plan E pour un guide d'ondes rectangulaire.

Publication

EP 0418630 B1 19950111 (DE)

Application

EP 90116912 A 19900903

Priority

DE 3971706 A 19890922

Abstract (en)

[origin: EP0418630A2] Provided on the outer corner (1) of an E-bend is a compensation corner projection (4) which is directed into the interior of the waveguide, runs over the complete width (a) of the waveguide, has the profile of an angle inserted into the outer corner, and by means of which very low reflection is achieved over a complete waveguide band. The bend angle of the angle used, whose two limbs (2, 3) have equal lengths (lK) and equal thicknesses (hK) corresponds to that of the E-plane corner piece. The corner piece constructed according to the invention can be used as an individual part or also, for example, can be used integrated into a broadband polarisation filter. <IMAGE>

IPC 1-7

H01P 1/02

IPC 8 full level

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CPC (source: EP)

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Cited by

CN114583426A; DE4425048A1; EP0959516A1; EP0959515A1; DE4326824A1; EP0428118A3; RU2668622C1

Designated contracting state (EPC)

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