

Title (en)
E-PLANE CORNER FOR A RECTANGULAR WAVEGUIDE

Publication
EP 0014832 B1 19851227 (DE)

Application
EP 80100137 A 19800111

Priority
DE 2903665 A 19790131

Abstract (en)
[origin: US4272744A] A rectangular waveguide elbow (E-elbow) bent across the broad side of the waveguide with an outer corner symmetrically flattened by conductive flattening or smoothing plane which provides for elimination of undesirable reflections by providing a cross cylindrical bar at the median between the inner corner and the center of the flattening or smoothing plane and wherein the cylindrical bar has an enlarged portion at its center which extends a portion length of the bar. A second embodiment provides a bar which does not have an enlarged portion but wherein the diameter of the bar ratio to the length of the shorter side of the waveguide is at least 0.258.

IPC 1-7
H01P 1/02

IPC 8 full level
H01P 1/02 (2006.01)

CPC (source: EP US)
H01P 1/025 (2013.01 - EP US)

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

DOCDB simple family (publication)
EP 0014832 A1 19800903; EP 0014832 B1 19851227; AT E17173 T1 19860115; DE 2903665 A1 19800821; DE 2903665 C2 19840927; JP S55104101 A 19800809; JP S607401 B2 19850225; US 4272744 A 19810609

DOCDB simple family (application)
EP 80100137 A 19800111; AT 80100137 T 19800111; DE 2903665 A 19790131; JP 948380 A 19800131; US 11317480 A 19800118