

Title (en)
POLARIZATION FILTER FOR HF DEVICES

Publication
EP 0196065 B1 19901031 (DE)

Application
EP 86104085 A 19860325

Priority
DE 3511127 A 19850327

Abstract (en)
[origin: US4700154A] A polarization diplexer which branches from a circular or quadratic waveguide in the axial direction into pairs of rectangular waveguides respectively lying opposite each other with the first pair of two rectangular waveguides lying opposite one another and fed by a symmetrical hybrid junction comprising straight subarms and wherein the first pair are symmetrical. The second pair of rectangular waveguides comprises two rectangular waveguides lying opposite each other which is fed by a second electrically symmetrical hybrid junction having subarms straddled over their broad dimension. The invention can also be utilized as a polarization frequency diplexer.

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H01P 1/161

IPC 8 full level
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EP 0196065 A1 19861001; **EP 0196065 B1 19901031**; AT E58033 T1 19901115; DE 3675235 D1 19901206; JP 2510988 B2 19960626; JP S61224701 A 19861006; US 4700154 A 19871013

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