

Title (en)

WIDE-BAND WAVEGUIDE WITH DOUBLE POLARISATION

Publication

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Application

EP 80400448 A 19800403

Priority

FR 7909493 A 19790413

Abstract (en)

[origin: US4303900A] The invention relates to a double polarization wide band waveguide. The waveguide according to the invention comprises a polygonal waveguide having a symmetry of order 4 with respect to a center of symmetry. The waveguide is provided with a plurality of conductive ridges located on the inner face of the sides of the waveguide in accordance with a symmetry of order 4 with respect to the center of symmetry and with a central conductive core, whose cross-section has the same symmetry of order 4n with respect to the center of symmetry.

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