

Title (en)

Polarisation filter for the illumination of an antenna

Title (de)

Polarisationsweiche zur Ausleuchtung einer Antenne

Title (fr)

Filtre de polarisation pour l'illumination d'une antenne

Publication

**EP 0905813 A3 20000412 (DE)**

Application

**EP 98402074 A 19980814**

Priority

DE 19741999 A 19970924

Abstract (en)

[origin: EP0905813A2] A first junction in the form of a cavity (11) of rectangular cross-section is provided between a radially connected rectangular waveguide and an aperture opening. A second, stepped junction (8) is provided between a shaping piece (7) and a closed-front rectangular waveguide. The latter is connected to the second junction.

IPC 1-7

**H01P 1/161**

IPC 8 full level

**H01P 1/161** (2006.01)

CPC (source: EP US)

**H01P 1/161** (2013.01 - EP US)

Citation (search report)

- [A] GB 767518 A 19570206 - BRITISH THOMSON HOUSTON CO LTD
- [A] BOIFOT A M: "CLASSIFICATION OF ORTHO-MODE TRANSDUCERS", EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS AND RELATED TECHNOLOGIES, IT, AEI, MILANO, vol. 2, no. 5, 1 September 1991 (1991-09-01), pages 35 - 42, XP000266379, ISSN: 1120-3862

Cited by

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**DE 19741999 A1 19990325**; AU 739731 B2 20011018; AU 8422098 A 19990415; DE 59814142 D1 20080131; EP 0905813 A2 19990331; EP 0905813 A3 20000412; EP 0905813 B1 20071219; KR 19990030061 A 19990426; US 6130649 A 20001010

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**DE 19741999 A 19970924**; AU 8422098 A 19980914; DE 59814142 T 19980814; EP 98402074 A 19980814; KR 19980039406 A 19980923; US 14575398 A 19980902