

Title (en)

Microwave polarisation filter.

Title (de)

Mikrowellen-Polarisationsweiche.

Title (fr)

Filtre de polarisation aux micro-ondes.

Publication

**EP 0419892 B1 19951129 (DE)**

Application

**EP 90116913 A 19900903**

Priority

DE 3932430 A 19890928

Abstract (en)

[origin: EP0419892A2] The invention relates to a broadband polarisation filter with a symmetrical double branch (D) to which in each case two identically constructed symmetrical series branches (SV1, SV2) are connected via a pair of filter arm sections (A1, A2; A3, A4). The filter arm sections having bends (E1-E10; E11-E20) exclusively in the E-plane are arranged and designed such that, on the one hand, precise phase symmetry is produced between and within the two pairs, and, on the other hand, it is possible to produce the filter completely using numerically controlled milling technology. The polarisation filter according to the invention can be used for supplying directional radio and satellite radio reflector antennas. <IMAGE>

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**H01P 1/161**

IPC 8 full level

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CPC (source: EP)

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