

Title (en)  
POLARISATION-SELECTIVE CIRCUIT FOR TWO FREQUENCY BANDS

Publication  
**EP 0154692 B1 19880511 (DE)**

Application  
**EP 84114833 A 19841206**

Priority  
DE 3406641 A 19840224

Abstract (en)  
[origin: US4622524A] A dual band polarization filter can be produced at low expense includes two hollow waveguide sections arranged one behind the other. A fin-type conductor structure is provided in each hollow waveguide section. The fin-type conductor structures produce polarization and frequency band separation of the signals fed into the hollow waveguide sections, these signals being associated with two different frequency bands and two polarization directions.

IPC 1-7  
**H01P 1/161**; **H01P 1/213**

IPC 8 full level  
**H01P 1/161** (2006.01); **H01P 1/213** (2006.01)

CPC (source: EP US)  
**H01P 1/161** (2013.01 - EP US); **H01P 1/2131** (2013.01 - EP US)

Cited by  
GB2188493A; EP0185446A3; AU589236B2; EP0235565A1; FR2593644A1; US4837531A

Designated contracting state (EPC)  
CH DE FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0154692 A1 19850918**; **EP 0154692 B1 19880511**; CA 1227839 A 19871006; DE 3406641 A1 19850829; DE 3471206 D1 19880616; US 4622524 A 19861111

DOCDB simple family (application)  
**EP 84114833 A 19841206**; CA 474918 A 19850222; DE 3406641 A 19840224; DE 3471206 T 19841206; US 70409785 A 19850222