

Title (en)  
A dielectric filter.

Title (de)  
Dielektrischer Filter.

Title (fr)  
Filtre diélectrique.

Publication  
**EP 0324512 B1 19941102**

Application  
**EP 89102782 A 19830427**

Priority  
• EP 83104137 A 19830427  
• JP 7656582 A 19820510  
• JP 7656682 A 19820510

Abstract (en)  
[origin: EP0324512A2] A dielectric filter (Fig.16) for frequencies higher than VHF band comprising a closed conductive housing (112), a pair of input and output means provided at both the extreme ends of said housing (112), a dielectric body (111) with a plurality of linear parallel grooves (118) arranged in said housing (112), a plurality of conductive linear means (113) with the length of approximately 1/4 wavelength mounted in said dielectric body (111) between said grooves (118) so that one end of said resonators (113) is fixed to the common plane of the housing (112), a capacitor means (114, 115) provided between the other end of resonators (111, 113, 118) and said conductive housing (112) so that an electrode (115) of said capacitor may be trimmed by a laser beam to adjust the resonating frequency of each of said resonators (111, 113, 118) and a plurality of conductive rods (137) provided in said grooves (118) for improving the spurious characteristics of the filter.

IPC 1-7  
**H01P 1/205**

IPC 8 full level  
**H01P 1/205** (2006.01)

CPC (source: EP)  
**H01P 1/2056** (2013.01)

Cited by  
CN114079129A; GB2283856A; GB2283856B; GB2284094A; GB2284095A; GB2284095B; GB2284094B; US11862835B2

Designated contracting state (EPC)  
DE FR GB NL SE

DOCDB simple family (publication)  
**EP 0324512 A2 19890719; EP 0324512 A3 19890726; EP 0324512 B1 19941102**

DOCDB simple family (application)  
**EP 89102782 A 19830427**