

Title (en)  
**A DIELECTRIC FILTER**

Publication  
**EP 0324512 A3 19890726 (EN)**

Application  
**EP 89102782 A 19830427**

Priority  
• EP 83104137 A 19830427  
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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)

Citation (search report)  
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• [A] WO 8101079 A1 19810416 - MOTOROLA INC [US]  
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• [A] DE 1929672 A1 19701217 - SIEMENS AG  
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• [Y] PATENT ABSTRACTS OF JAPAN, vol. 5, no. 117 (E-67)[789], 28th July 1981; & JP-A-56 057 302 (MURATA SEISAKUSHO K.K.) 19-05-1981

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

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