

Title (en)
A DIELECTRIC FILTER

Publication
EP 0324512 A3 19890726 (EN)

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)

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
• [A] EP 0028403 A1 19810513 - CSELT CENTRO STUDI LAB TELECOM [IT]
• [A] EP 0069651 A1 19830112 - THOMSON CSF [FR]
• [A] DE 1228011 B 19661103 - SIEMENS AG
• [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

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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