

Title (en)

MULTIPLE RESONATOR COMPONENT-MOUNTABLE FILTER.

Title (de)

FILTER, BESTEHEND AUS EINER EINBAUBAREN EINHEIT MIT MEHREREN RESONATOREN.

Title (fr)

FILTRE A RESONATEURS MULTIPLES POUVANT ETRE MONTE SUR UN ELEMENT EXTERIEUR.

Publication

EP 0318478 A4 19891120 (EN)

Application

EP 87903794 A 19870527

Priority

- US 8701210 W 19870527
- US 89068286 A 19860725
- US 89068686 A 19860725

Abstract (en)

[origin: WO8801104A1] A dielectric block filter (501) which may be mounted on a printed circuit board or other substrate as a single component. The dielectric filter utilizes metallized hole foreshortened resonators (529-535) in the dielectric block (501), which employs capacitive coupling between resonators controlled in part by an electrode strip (553-558) coupled to the conductive material covering the majority of the dielectric block (501) surface. Input and output coupling is accomplished via terminals (505-507) asymmetrically arranged in a mounting bracket (503). Mounting tabs (515-523) on the bracket (503) opposite a recessed area holding the dielectric block secure the filter (501) to the circuit board and provide ground connection for the filter. Two or more filters (501) may be arranged on the circuit board to form a duplexer.

IPC 1-7

H01P 1/205; **H01P 7/00**

IPC 8 full level

H01P 1/205 (2006.01); **H01P 1/213** (2006.01); **H01P 7/04** (2006.01); **H04B 1/40** (2006.01)

CPC (source: EP)

H01P 1/2056 (2013.01); **H01P 1/2136** (2013.01)

Citation (search report)

- [X] GB 2163606 A 19860226 - MURATA MANUFACTURING CO
- [Y] GB 2165098 A 19860403 - MOTOROLA INC
- [A] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 318 (E-366)[2041], 13th December 1985; & JP-A-60 152 102 (MURATA SEISAKUSHO K.K.) 10-08-1985
- See references of WO 8801104A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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