

Title (en)  
**MICROWAVE FILTER**

Publication  
**EP 0250857 A3 19881207 (DE)**

Application  
**EP 87107533 A 19870523**

Priority  
DE 3621299 A 19860625

Abstract (en)  
[origin: US4734665A] A microwave filter composed of at least two cavity resonators disposed adjacent one another, and a coupling aperture disposed between the resonators for coupling microwave energy between the resonators, one of the cavity resonators being operative to propagate microwave energy having a TE mode and the other of the cavity resonators being operative to propagate microwave energy having a TM mode, wherein the coupling aperture is constructed for coupling the TE mode in the one cavity resonator with the TM mode in the other cavity resonator.

IPC 1-7  
**H01P 1/208**

IPC 8 full level  
**H01P 1/208** (2006.01)

CPC (source: EP US)  
**H01P 1/2082** (2013.01 - EP US)

Citation (search report)

- [X] 1986 IEEE-MTT-S INTERNATIONAL MICROWAVE SYMPOSIUM DIGEST, Baltimore, Maryland, 2.-4. Juni 1986, Baltimore, Seiten 349-351, IEEE, New York, US; W.C. TANG: "An 8-pole quazi-elliptic function filter realized in 3 dielectric resonator cavities"
- [A] 1986 IEEE-MTT-S INTERNATIONAL MICROWAVE SYMPOSIUM DIGEST, Baltimore, Maryland, 2.-4. Juni 1986, Baltimore, Seiten 357-359, IEEE, New York, US; D. SIU: "Realization of an exact 5-pole elliptic function filter employing dielectric loaded triple-dual-mode cavity structure"
- [A] IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, Band MTT-24, Nr. 10, Oktober 1976, Seiten 640-648; A.E. ATIA et al.: "General TE011-mode waveguide bandpass filters"

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Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
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