

Title (en)
Microwave filter with coupling elements

Title (de)
Mikrowellenfilter mit Kopplungselementen

Title (fr)
Filtre hyperfréquence avec des éléments de couplage

Publication
EP 0871235 A3 19990324 (EN)

Application
EP 98400865 A 19980409

Priority
ES 9700777 A 19970411

Abstract (en)
[origin: EP0871235A2] A microwave filter with multiple resonant cavities that are delimited by conducting walls and arranged consecutively. Two adjacent walls are coupled by means of a coupling element comprising a first opening in the common wall of said cavities, a probe (23) positioned in said first opening, which produces a coupling of opposite sign to that defined by said first opening and, also, includes movable adjustment means (33) which penetrate the first opening and whose function is to adjust the overall value of the coupling produced by the combination of said first opening and said probe (23). Consequently, a progressive adjustment of the overall value of the coupling is obtained in a wide range of values.
<IMAGE>

IPC 1-7
H01P 1/208

IPC 8 full level
H01P 1/208 (2006.01)

CPC (source: EP)
H01P 1/208 (2013.01)

Citation (search report)
• [X] WO 9629754 A1 19960926 - BARTLEY MACHINE & MANUFACTURIN [US]
• [A] EP 0759645 A2 19970226 - MURATA MANUFACTURING CO [JP]
• [A] EP 0075498 A1 19830330 - THOMSON CSF [FR]

Cited by
US6319932B1; US6228870B1; WO2023005651A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0871235 A2 19981014; EP 0871235 A3 19990324; CA 2231033 A1 19981011

DOCDB simple family (application)
EP 98400865 A 19980409; CA 2231033 A 19980406