

Title (en)  
Microwave filter with coupling elements

Title (de)  
Mikrowellenfilter mit Kopplungselementen

Title (fr)  
Filtre hyperfréquence avec des éléments de couplage

Publication  
**EP 0871235 A2 19981014 (EN)**

Application  
**EP 98400865 A 19980409**

Priority  
ES 9700777 A 19970411

Abstract (en)  
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)  
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Cited by  
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