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(54) **Microwave filter with coupling elements**

(57) 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.

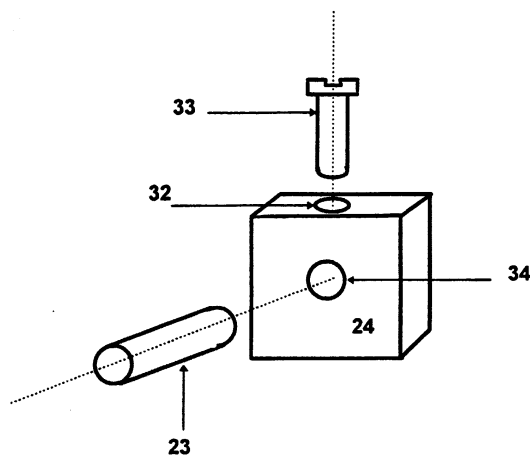


FIG. 3



European Patent
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EUROPEAN SEARCH REPORT

Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01P
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 2 February 1999	Examiner Den Otter, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82