

Title (en)  
TUNABLE HIGH-FREQUENCY FILTER ARRANGEMENT AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
ABSTIMMBARE HOCHFREQUENZ-FILTERANORDNUNG SOWIE VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)  
DISPOSITIF DE FILTRAGE HAUTE FREQUENCE ACCORDABLE ET PROCEDE DE REALISATION

Publication  
**EP 1570542 A1 20050907 (DE)**

Application  
**EP 03812541 A 20031114**

Priority  
• CH 0300748 W 20031114  
• CH 21122002 A 20021211

Abstract (en)  
[origin: WO2004054033A1] A high-frequency filter arrangement comprising at least one filter (F3) consisting of a plurality of high-frequency inter-coupled cavities (21,..., 24) in which a locally fixed respective dielectric resonator element (44) is disposed and in which a respective dielectric body (44) can be modified, in order to tune the frequency of the filter (F3), in the position thereof in relation to the dielectric resonator element (44). The structure of the inventive filter arrangement is simple, compact and economical and excellent filter and tuning properties are obtained by virtue of the fact that the dielectric body (45) is arranged in an eccentric recess of the dielectric resonator element (44) and that the dielectric body (45) is rotatably arranged in the eccentric recess (59).

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**H01P 7/10**; **H01P 1/208**; **G09B 23/32**

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