

Title (en)

High frequency filter arrangement comprising at least one filter with variable frequency.

Title (de)

Hochfrequenz-Filteranordnung mit mindestens einem frequenzvariablen Filter.

Title (fr)

Arrangement de filtre haute fréquence comportant au moins un filtre à fréquence variable.

Publication

**EP 0452211 A1 19911016 (FR)**

Application

**EP 91400954 A 19910409**

Priority

FR 9004747 A 19900412

Abstract (en)

The invention relates to a high-frequency filter arrangement which includes at least one filter with variable frequency. Such a filter is of the type comprising a metal housing (1), a resonator body (10) of a dielectric material, two support bodies (11, 12) in a material with low thermal resistance, aligned coaxially with the resonator body and arranged on either side of it, in contact via their inner axially frontal faces with the upper and lower frontal faces of the resonator body (10), and a device for frequency variation including a cylindrical body (15) made of a dielectric material forming a plunger which can move axially in the aligned axial bores (14) passing through the resonator (10) and support (11, 12) bodies. The arrangement is characterised in that the outer diameters of the support bodies (11, 12) are chosen to compensate for the frequency drift coefficient of the resonator body (10), the height of the support bodies being kept substantially constant. The invention can be used for filters with dielectric resonator. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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