

Title (en)

HIGH-FREQUENCY FILTER AND METHOD FOR TUNING A HIGH-FREQUENCY FILTER

Title (de)

HOCHFREQUENZFILTER SOWIE VERFAHREN ZUM ABSTIMMEN EINES HOCHFREQUENZFILTERS

Title (fr)

FILTRE HAUTE FREQUENCE ET PROCEDE POUR ACCORDER UN FILTRE HAUTE FREQUENCE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006063640A1] The invention relates to a high-frequency filter provided with a coaxial design, comprising one or more resonators, at least one of the resonators having the following features: an inner conductor, which is provided in the form of an inner conductor tube (2) and which is made of at least one first material; an outer conductor housing (1) with a housing bottom (1a), a housing wall (1b) and a cover (3), said cover extending from the housing wall (1b) or being positioned on the upper side of the housing. The inner conductor tube (2) is electrically coupled to the housing bottom (1a), and a free end (2a) of the inner conductor tube (2) is adjacent to the upper side of the housing and/or to the cover (3); a compensation element (6) made of at least one second material that is joined to the inner conductor tube (2); whereby the compensation element (6) acts on at least one partial section of the inner conductor tube (2) by the exertion of mechanical force whereby influencing and/or changing and/or decreasing an occurring temperature-related longitudinal change of the inner conductor tube (2).

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