Title (en)

THREADLESS TUNING ELEMENTS FOR COAXIAL RESONATORS, AND METHOD FOR TUNING SAME

Title (de)

GEWINDELOSE ABSTIMMELEMENTE FÜR KOAXIALRESONATOREN UND VERFAHREN ZUR ABSTIMMUNG DERSELBEN

Title (fr)

ÉLÉMENT D'ACCORD SANS FILETAGE POUR DES RÉSONATEURS COAXIAUX ET PROCÉDÉ D'ACCORD DESDITS RÉSONATEURS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2017005926A1] The invention relates to a high-frequency filter (1) with a coaxial design, comprising at least one resonator (2) with a first inner conductor (3) and with an outer conductor housing (4). The outer conductor housing (4) comprises a housing base (5), a housing cover which is arranged at a distance from the housing base (6), and a peripheral housing wall (14) between the housing base (5) and the housing cover (6). The first inner conductor (3) is galvanically connected to the housing base (5) and extends axially from the housing base (5) in the direction of the housing cover (6). The resonator (2) comprises a second internal conductor (7) which is galvanically connected to the housing cover (6) and extends axially from the housing cover (6) in the direction of the housing base (5). The first and/or second inner conductor (3, 7) has an inner conductor bore (8, 25 15), and a tuning element (9) is arranged in one inner conductor bore (8, 15) in a thread-free axially movable manner. The tuning element (9) is arranged in a sleeve or bushing (31) and optionally or in addition thereto has an enlarged elastic region.

IPC 8 full level

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