

Title (en)
TUNABLE HIGH-FREQUENCY FILTER

Title (de)
ABSTIMMBARES HOCHFREQUENZFILTER

Title (fr)
Filtre haute fréquence réglable

Publication
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Application
EP 11810795 A 20111215

Priority
• DE 102010056048 A 20101223
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Abstract (en)
[origin: WO2012084154A1] The invention discloses a high-frequency filter in coaxial design which allows a simple option for tuning resonators contained in the high-frequency filter. In order to tune the resonator(s), a first tuning element (40) is mechanically anchored in the second terminating wall (22) such that the element is rotationally fixed and the axial length thereof cannot be varied, and a second tuning element (50), the position of which can be varied, is provided in the longitudinal opening (301) of the inner conductor (30), wherein the second tuning element (50) consists of a dielectric material, or comprises dielectric material, at least in the region facing the second outside wall, wherein the axial position of the second tuning element (50) can be varied in the spacing area between the inside face of the inner conductor (30) and the first tuning element (40). The second tuning element (50) can be accessed and/or actuated from the outer side of the first terminating wall (21) to effect a variation of the axial position.

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CPC (source: EP KR US)
H01P 1/202 (2013.01 - KR US); **H01P 7/04** (2013.01 - EP KR US)

Citation (search report)
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Cited by
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