

Title (en)  
TUNABLE HIGH-FREQUENCY FILTER

Title (de)  
ABSTIMMBARES HOCHFREQUENZFILTER

Title (fr)  
Filtre haute fréquence réglable

Publication  
**EP 2656435 A1 20131030 (DE)**

Application  
**EP 11810795 A 20111215**

Priority  
• DE 102010056048 A 20101223  
• EP 2011006357 W 20111215

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.

IPC 8 full level  
**H01P 7/04** (2006.01); **H01P 1/202** (2006.01)

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

Citation (search report)  
See references of WO 2012084154A1

Cited by  
EP3379642A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012084154 A1 20120628**; AU 2011348462 A1 20130530; AU 2011348462 B2 20150730; CN 103262338 A 20130821; CN 103262338 B 20160203; DE 102010056048 A1 20120628; EP 2656435 A1 20131030; EP 2656435 B1 20150422; HK 1186301 A1 20140307; HU E025345 T2 20160229; KR 101663534 B1 20161010; KR 20130140724 A 20131224; US 2013271243 A1 20131017; US 8947179 B2 20150203

DOCDB simple family (application)  
**EP 2011006357 W 20111215**; AU 2011348462 A 20111215; CN 201180059212 A 20111215; DE 102010056048 A 20101223; EP 11810795 A 20111215; HK 13113478 A 20131204; HU E11810795 A 20111215; KR 20137012469 A 20111215; US 201113996957 A 20111215