

Title (en)  
TUNABLE HIGH FREQUENCY FILTER

Title (de)  
ABSTIMMBARES HOCHFREQUENZFILTER

Title (fr)  
FILTRE RÉGLABLE À HAUTE FRÉQUENCE

Publication  
**EP 2912714 B1 20171101 (DE)**

Application  
**EP 13782980 A 20131024**

Priority  
• DE 102012020979 A 20121025  
• EP 2013003226 W 20131024

Abstract (en)  
[origin: CA2886911A1] The invention relates to an improved tunable high frequency filter of coaxial construction, characterized, inter alia, by the following features: The high frequency filter comprises an outer conductor housing (24) having an inner conductor (10) and a housing cover (22); the resonator (1) comprises a tuning element (30) arranged opposite the inner conductor (10), which in the housing cover (22) is held position-adjustably in the axial position of the tuning element (30), at least indirectly, and which extends into the internal space of the resonator; the tuning element (30) comprises a dielectric material, or is formed from a dielectric material such that between the outer thread (32) and the inner thread (41), current transitions are avoided.

IPC 8 full level  
**H01P 1/20** (2006.01); **H01P 1/205** (2006.01); **H01P 7/04** (2006.01)

CPC (source: EP US)  
**H01P 1/20** (2013.01 - US); **H01P 1/205** (2013.01 - EP US); **H01P 1/2053** (2013.01 - US); **H01P 7/04** (2013.01 - EP US)

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)  
**DE 102012020979 A1 20140430**; CA 2886911 A1 20140501; CN 104838537 A 20150812; CN 104838537 B 20170926; EP 2912714 A1 20150902; EP 2912714 B1 20171101; KR 101720261 B1 20170410; KR 20150079832 A 20150708; US 2015288043 A1 20151008; US 9748622 B2 20170829; WO 2014063829 A1 20140501

DOCDB simple family (application)  
**DE 102012020979 A 20121025**; CA 2886911 A 20131024; CN 201380062046 A 20131024; EP 13782980 A 20131024; EP 2013003226 W 20131024; KR 20157013873 A 20131024; US 201314438725 A 20131024