

Title (en)  
Filter for radio frequency signals

Title (de)  
Filter für Funkfrequenzsignale

Title (fr)  
Filtre pour signaux de fréquence radio

Publication  
**EP 2429026 B1 20181128 (EN)**

Application  
**EP 10290483 A 20100910**

Priority  
EP 10290483 A 20100910

Abstract (en)  
[origin: EP2429026A1] The invention relates to a Filter (FL1) for radio frequency, RF, signals comprising a first cavity resonator (RC2), a second cavity resonator (RC5), separating means (ISP1) separating said first cavity resonator (RC2) and said second cavity resonator (RC5), and coupling means (100) for capacitively coupling said first cavity resonator (RC2) and said second cavity resonator (RC5), wherein said coupling means (100) comprise a connecting element (104) protruding through an opening (OP1) in said separating means (ISP1), a first coupling element (102a) that is arranged in said first cavity resonator (RC2) and that is connected to said connecting element (104), a second coupling element (102b) that is arranged in said second cavity resonator (RC5) and that is connected to said connecting element (104), wherein at least one of said coupling elements (102a, 102b) is movably attached to said connecting element (104) and/or said connecting element (104) is rotatably attached to said separating means (ISP1).

IPC 8 full level  
**H01P 1/205** (2006.01)

CPC (source: EP)  
**H01P 1/2053** (2013.01)

Cited by  
CN108281740A; CN111326842A; CN108054483A; US10847854B2; US9559659B2; US10320357B2; US10911015B2; WO2014145662A3; WO2015144063A1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2429026 A1 20120314; EP 2429026 B1 20181128**

DOCDB simple family (application)  
**EP 10290483 A 20100910**