

Title (en)  
RESONATOR FILTER WITH AN ADJUSTABLE POLE IN INFINITE ATTENUATION

Publication  
**EP 0069651 B1 19860108 (FR)**

Application  
**EP 82401205 A 19820629**

Priority  
FR 8113321 A 19810707

Abstract (en)  
[origin: EP0069651A1] 1. A filter with n resonators (n being an integer at least equal to 3) disposed in a series configuration between the input and the output of the filter and in which two non-adjacent resonators at least, which will be called separated-coupled resonators, are coupled via a conductive plate (6) of elongated form, this plate having its two ends (7, 8) situated respectively in the neighbourhood of the two separated-coupled resonators (R1 , R4 ) and presenting a curved shape, the concavity of which is turned towards those (R2 , R3 ) of the n-2 remaining resonators situated between the two separated-coupled resonators, characterized in that the plate (6) is a resilient plate, one point of which is fixed and one of the ends of which is free, and in that an insulating adjusting screw (19), which passes through the wall of the filter casing, permits the adjustment of the position of the free end (8) of the plate with respect to one (R4 ) of the separated-coupled resonators by pressing on the plate.

IPC 1-7  
**H01P 1/205**

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

CPC (source: EP)  
**H01P 1/205** (2013.01)

Cited by  
FR2639776A1; EP0093956A3; CN110770970A; US6642814B2; EP1324419A3; EP0322780A3; EP0324512A3; EP0334270A1; FR2629276A1; US4970477A; GB2253522A; EP0285503A1; FR2613557A1; US4992759A; CN105556839A; EP3050212A4; EP3203633A3; US10056666B2; US9692098B2; US9876262B2; EP3203633B1

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