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

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

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 0069651 A1 19830112; EP 0069651 B1 19860108; DE 3268387 D1 19860220; FR 2509536 A1 19830114; FR 2509536 B1 19841130; JP S5816902 U 19830202

DOCDB simple family (application)

EP 82401205 A 19820629; DE 3268387 T 19820629; FR 8113321 A 19810707; JP 10309182 U 19820707