

Title (en)
Band elimination filter.

Title (de)
Bandsperre.

Title (fr)
Filtre coupe-bande.

Publication
EP 0350256 A2 19900110 (EN)

Application
EP 89306771 A 19890704

Priority
JP 16658088 A 19880704

Abstract (en)
A band elimination filter includes a filter circuit (10) which is formed by a dielectric resonator (11) exhibiting inductiveness at a frequency f_2 and a capacitor (12) connected in series with the dielectric resonator, and an input/output transmission line (13) which has an inductor (14) connected to the capacitor (12) of the filter circuit (10). Only the aforementioned filter circuit (10) is connected between an end portion of the inductor (14) and earthing means (15). In the band elimination filter having such structure, a signal attenuation amount is abruptly changed around the trap frequency f_2 , to improve the passing characteristic.

IPC 1-7
H01P 1/205

IPC 8 full level
H01P 1/205 (2006.01)

CPC (source: EP)
H01P 1/2056 (2013.01)

Cited by
EP0444948A3; US5293141A; US5345202A; US5422612A; EP0472319A1; US5227748A; FR2680605A1; DE4292384C2; GB2512032A; GB2512032B; US7610072B2; US7437187B1; US6529750B1; WO9952208A1; US7317364B2; US7738933B2

Designated contracting state (EPC)
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