

Title (en)
Microwave bandpass filter.

Title (de)
Mikrowellenbandpassfilter.

Title (fr)
Filtre passe-bande pour hyperfréquences.

Publication
EP 0193162 A1 19860903 (FR)

Application
EP 86102410 A 19860225

Priority
FR 8502850 A 19850227

Abstract (en)
[origin: US4731596A] This highly reproducible stripline band-pass filter comprises, between its two leads (A and B), n halfwave resonators (1-7) connected in series. Suitable capacitors (C0-C7) provide a powerful coupling between the successive elements of the series circuit. Quarterwave resonators (10, 11, 70, 71) each having one end connected to the series circuit provide a steep-edge amplitude/frequency response at the limits of the pass-band of the hyperfrequency, wideband filter so obtained.

Abstract (fr)
Filtre passe-bande réalisé avec des guides d'ondes à ruban et facilement reproductible. Le filtre comporte, entre ses deux accès (A, B), n résonateurs demi-onde (1-7) montés en série. Des condensateurs (C0-C7) assurent un fort couplage entre les éléments successifs de ce montage en série. Des résonateurs quart d'onde (10, 11, 70, 71), reliés par une de leurs extrémités au montage série, assurent, en limite de la bande passante du filtre ainsi obtenu, une réponse amplitude/fréquence à front raide. Application aux filtres passe-bande, à large bande, pour hyperfréquences.

IPC 1-7
H01P 1/203

IPC 8 full level
H01P 1/203 (2006.01)

CPC (source: EP US)
H01P 1/203 (2013.01 - EP US)

Citation (search report)

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