

Title (en)

Microwavefilter

Title (de)

Mikrowellenfilter

Title (fr)

Filtre hyperfréquence

Publication

EP 0751579 B1 20021127 (DE)

Application

EP 96106894 A 19960502

Priority

DE 19523220 A 19950627

Abstract (en)

[origin: EP0751579A1] The microwave filter includes at least two resonators (R1,R2,R3). The first of these resonators (R1) allows at least two degenerative wave types to resonate. The resonators are in an operative connection such that energy is transferred from a first wave type, capable of resonating in the first resonator, to a further wave type resonating outside this resonator. The possible couplings of the wave types are overcouplings amongst each other. The first resonator preferably operates in a dual mode. The resonator electrically adjacent the first preferably operates in a single mode. Alternatively, both may operate in a dual mode. In other embodiments, the first resonator may operate in a triple mode, and the other may operate in a dual mode. The wave types in the resonators may not be coupled together by the main couplings.

IPC 1-7

H01P 1/208

IPC 8 full level

H01P 1/208 (2006.01)

CPC (source: EP US)

H01P 1/2082 (2013.01 - EP US)

Cited by

EP2432070A1; US8665039B2; US9843083B2; US9614264B2; US9325046B2

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EP 96106894 A 19960502; CA 2178702 A 19960610; DE 19523220 A 19950627; DE 59609902 T 19960502; US 65403296 A 19960528