

Title (en)
HIGH-FREQUENCY BAND PASS FILTER ASSEMBLY, COMPRISING ATTENUATION POLES

Title (de)
HOCHFREQUENZ-BANDPASSFILTERANORDNUNG MIT DÄMPFUNGSPOLEN

Title (fr)
SYSTEME DE FILTRE PASSE-BANDE HAUTE FREQUENCE A POLES D'ATTENUATION

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Application
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Abstract (en)
[origin: WO0117057A1] The invention relates to a high-frequency band pass filter assembly, comprising a master resonator and at least one stop-band resonator which is coupled thereto. The aim of the invention is to construct a filter structure in such a way, that with a given number of poles, the highest possible number of transmission zero positions occur in the stop bands, whereby in relation to known resonator configurations, no overcoupling is used between non-adjoining resonators. To this end, the stop-band resonator(s) is/are coupled to the master resonator in such a way that the stop-band resonator generates both transmission zero positions and transmission pole positions in tandem with the master resonator.

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