

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

Publication
EP 1212806 A1 20020612 (DE)

Application
EP 00960529 A 20000826

Priority
• DE 19941311 A 19990831
• EP 0008333 W 20000826

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.

IPC 1-7
H01P 1/202; **H01P 1/203**; **H01P 1/209**

IPC 8 full level
H01P 1/202 (2006.01); **H01P 1/203** (2006.01); **H01P 1/205** (2006.01); **H01P 1/208** (2006.01); **H01P 1/209** (2006.01); **H01P 7/08** (2006.01)

CPC (source: EP KR)
H01P 1/202 (2013.01 - EP KR); **H01P 1/203** (2013.01 - EP); **H01P 1/20363** (2013.01 - EP); **H01P 1/20381** (2013.01 - EP);
H01P 1/209 (2013.01 - EP)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0117057 A1 20010308; AT E233956 T1 20030315; AU 7280000 A 20010326; CA 2383777 A1 20010308; CN 1241289 C 20060208; CN 1371534 A 20020925; DE 19941311 C1 20010607; DE 50001421 D1 20030410; EP 1212806 A1 20020612; EP 1212806 B1 20030305; ES 2191642 T3 20030916; IL 148267 A0 20020912; JP 2003508948 A 20030304; KR 20020047141 A 20020621

DOCDB simple family (application)
EP 0008333 W 20000826; AT 00960529 T 20000826; AU 7280000 A 20000826; CA 2383777 A 20000826; CN 00812268 A 20000826; DE 19941311 A 19990831; DE 50001421 T 20000826; EP 00960529 A 20000826; ES 00960529 T 20000826; IL 14826700 A 20000826; JP 2001520502 A 20000826; KR 20027002811 A 20020228