Title (en)

DUAL MODE MICROWAVE BAND PASS FILTER MADE OF HIGH QUALITY RESONATORS

Title (de)

DUAL-MODE-MIKROWELLEN-BANDPASSFILTER AUS HOCHGÜTERESONATOREN

Title (fr)

FILTRE A MICRO-ONDES A BANDE PASSANTE A DEUX MODES REALISE AU MOYEN DE RESONATEURS DE HAUTE QUALITE

Publication

EP 0896744 B1 20000531 (DE)

Application

EP 97922878 A 19970426

Priority

- DE 9700857 W 19970426
- DE 19617698 A 19960503

Abstract (en)

[origin: DE19617698C1] A dual mode band pass filter is made of resonators which have each a spherical dielectric arranged on at least one high temperature supraconductive film. The band pass filter also has a shielding housing arranged over the high temperature supraconductive film so as to enclose the dielectric, and a coupling device for coupling the dipole modes, as well as other coupling and tuning elements.

IPC 1-7

H01P 7/10

IPC 8 full level

H01P 1/20 (2006.01); **H01P 1/208** (2006.01); **H01P 7/10** (2006.01)

CPC (source: EP US)

H01P 7/105 (2013.01 - EP US); Y10S 505/70 (2013.01 - EP US); Y10S 505/866 (2013.01 - EP US)

Cited by

US9138317B2

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

DE 19617698 C1 19971016; CA 2252659 A1 19971113; DE 59701819 D1 20000706; EP 0896744 A1 19990217; EP 0896744 B1 20000531; ES 2148978 T3 20001016; JP 2000509584 A 20000725; US 6484043 B1 20021119; WO 9742679 A1 19971113

DOCDB simple family (application)

DE 19617698 A 19960503; CA 2252659 A 19970426; DE 59701819 T 19970426; DE 9700857 W 19970426; EP 97922878 A 19970426; ES 97922878 T 19970426; JP 53942197 A 19970426; US 18016098 A 19981103