

Title (en)

Frequency tunable bandpass filter for hyperfrequency waves

Title (de)

Frequenzanpassbarer Bandpassfilter für Hyperfrequenzwelle

Title (fr)

Filtre passe bande accordable en fréquence pour onde hyperfréquence

Publication

EP 2690703 B1 20181010 (FR)

Application

EP 13177704 A 20130723

Priority

FR 1202127 A 20120727

Abstract (en)

[origin: EP2690703A1] The filter (100) has an output dielectric element (E1) for carrying out a rotation about an output rotation axis (X1), where a recess (42) allows the rotation of another dielectric element while keeping an output excitation element (SN) inside the recess. The dielectric elements are formed in flat shape with height, which is less by a factor of 3 than the smallest external dimension in a plane perpendicular to a direction supporting the height. The rotations of the dielectric elements allow the modification of the central frequency of the filter.

IPC 8 full level

H01P 1/208 (2006.01)

CPC (source: EP US)

H01P 1/2084 (2013.01 - EP US); **H01P 1/2086** (2013.01 - EP US); **H01P 7/10** (2013.01 - US)

Cited by

WO2017054474A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2690703 A1 20140129; **EP 2690703 B1 20181010**; CA 2822129 A1 20140127; CA 2822129 C 20201222; FR 2994028 A1 20140131; FR 2994028 B1 20150619; US 2014028415 A1 20140130; US 9343792 B2 20160517

DOCDB simple family (application)

EP 13177704 A 20130723; CA 2822129 A 20130726; FR 1202127 A 20120727; US 201313950670 A 20130725