

Title (en)

FILTER APPARATUS AND METHOD OF USE THEREOF

Title (de)

FILTERVORRICHTUNG UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)

APPAREIL DE FILTRAGE ET SON PROCÉDÉ D'UTILISATION

Publication

**EP 3731337 C0 20240124 (EN)**

Application

**EP 20275072 A 20200402**

Priority

GB 201904808 A 20190405

Abstract (en)

[origin: EP3731337A1] Filter apparatus is provided including a housing with two or more resonant cavities defined therein. Each of the two or more resonant cavities have resonator means provided therein. Each of the resonator means has a first resonator portion and a second resonator portion. A first end of the first resonator portion is located on a wall of the resonant cavity. The second resonator portion is provided at a second end of the first resonator portion. The second resonator portion defines a channel or an inverted channel therein. An opening of the channel or inverted channel is arranged to face towards the wall of the resonant cavity on which the first end of the first resonator portion is located. An outer wall of the second resonator portion has an aperture, slot or cut-out defined therein.

IPC 8 full level

**H01P 1/205** (2006.01)

CPC (source: EP)

**H01P 1/2053** (2013.01)

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

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

**EP 3731337 A1 20201028; EP 3731337 B1 20240124; EP 3731337 C0 20240124**; GB 201904808 D0 20190522

DOCDB simple family (application)

**EP 20275072 A 20200402**; GB 201904808 A 20190405