

Title (en)
CAVITY FILTER

Title (de)
HOHLRAUMFILTER

Title (fr)
FILTRE À CAVITÉ

Publication
EP 2443694 B1 20130403 (DE)

Application
EP 10722957 A 20100603

Priority
• EP 2010003366 W 20100603
• DE 102009025408 A 20090618

Abstract (en)
[origin: WO2010145758A1] The invention relates to an improved HF cavity filter characterized by the following features: the housing cover (17) is made of a circuit board (21); the at least one additional hole (29) is made in the circuit board (21), in which a tuning bushing soldered at the outer circumference to an electrically conductive layer (25) on the circuit board is inserted; the tuning element (37) can be threaded to a varying depth into the tuning bushing (31); at least one electrically conductive structure is implemented on the circuit board (21); and the dielectric conductive structure comprises at least one conductor and/or at least one SMT component and/or at least one HF overcoupling device.

IPC 8 full level
H01P 1/205 (2006.01); **H01P 7/04** (2006.01)

CPC (source: EP US)
H01P 1/2053 (2013.01 - EP US); **H01P 7/04** (2013.01 - EP US)

Cited by
CN106415921A; DE102014007927A1; US10090573B2

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009025408 A1 20101223; DE 102009025408 B4 20110901; EP 2443694 A1 20120425; EP 2443694 B1 20130403; ES 2411514 T3 20130705; US 2012105176 A1 20120503; US 8872605 B2 20141028; WO 2010145758 A1 20101223

DOCDB simple family (application)
DE 102009025408 A 20090618; EP 10722957 A 20100603; EP 2010003366 W 20100603; ES 10722957 T 20100603; US 201013377923 A 20100603