

Title (en)
Band-pass filter

Title (de)
Bandpassfilter

Title (fr)
Filtre passe-bande

Publication
EP 2515372 A1 20121024 (EN)

Application
EP 11163239 A 20110420

Priority
EP 11163239 A 20110420

Abstract (en)
A band-pass filter (500) comprises a first resonator (501), a second resonator (502) and a third resonator (503). The second resonator (502) is magnetically coupled to the first resonator (501). The third resonator (503) is magnetically coupled to the second resonator (502) and is electrically coupled to the first resonator (501). In addition, the first resonator (501) is a quarter wavelength resonator, the second resonator (502) is a half wavelength resonator, and the third resonator (503) is a quarter wavelength resonator.

IPC 8 full level
H01P 1/203 (2006.01)

CPC (source: EP)
H01P 1/20372 (2013.01)

Citation (search report)
• [XYI] WO 2010137398 A1 20101202 - MURATA MANUFACTURING CO [JP], et al
• [X] US 2008224800 A1 20080918 - TAKEI YASUNORI [JP], et al
• [Y] US 2010141356 A1 20100610 - UHM MAN-SEOK [KR], et al
• [X] JP 2000357902 A 20001226 - MURATA MANUFACTURING CO
• [A] CHENG-CHUNG CHEN ET AL: "A novel coupling structure suitable for cross-coupled filters with folded quarter-wave resonators", IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. 13, no. 12, 1 December 2003 (2003-12-01), pages 517 - 519, XP011106053, ISSN: 1531-1309, DOI: 10.1109/LMWC.2003.819957

Cited by
CN110034364A; RU2672821C1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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