

Title (en)

A RESONATOR ASSEMBLY, A RADIO FREQUENCY FILTER AND A METHOD OF RADIO-FREQUENCY FILTERING

Title (de)

RESONATORANORDNUNG, FUNKFREQUENZFILTER UND VERFAHREN FÜR FUNKFREQUENZFILTERUNG

Title (fr)

ENSEMBLE RÉSONATEUR, FILTRE DE FRÉQUENCES RADIO ET PROCÉDÉ DE FILTRAGE DE FRÉQUENCES RADIO

Publication

**EP 3179552 A1 20170614 (EN)**

Application

**EP 15306969 A 20151210**

Priority

EP 15306969 A 20151210

Abstract (en)

A resonator assembly is provided comprising a resonant chamber, each chamber comprising a first wall, a second wall opposite the first wall, and side walls; in which the resonator chamber houses two or more resonators, each resonator comprising a first cylinder grounded on one of the first and second walls and extending into the chamber, and a second cylinder which is coaxial with the first cylinder and grounded on the other of the first and second walls and extending into the chamber; a first set of the resonators having their respective first cylinders grounded on the first wall and their respective second cylinders grounded on the second wall; a second set of the resonators having their respective first cylinders grounded on the second wall and their respective second cylinders grounded on the first wall; wherein each resonator of the first set is for magnetic field coupling in proximity with at least one resonator of the second set.

IPC 8 full level

**H01P 1/202** (2006.01); **H01P 1/205** (2006.01)

CPC (source: EP)

**H01P 1/202** (2013.01); **H01P 1/2053** (2013.01)

Citation (applicant)

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DOCDB simple family (application)

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