

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

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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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