

Title (en)  
A RESONATOR, A FILTER AND A METHOD OF RADIO FREQUENCY FILTERING

Title (de)  
Resonator, Filter und Verfahren zur Hochfrequenzfilterung

Title (fr)  
Résonateur, filtre et procédé de filtrage des fréquences radio

Publication  
**EP 3012902 A1 20160427 (EN)**

Application  
**EP 14290316 A 20141021**

Priority  
EP 14290316 A 20141021

Abstract (en)  
A resonator is provided comprising a resonant chamber, each chamber comprising a first wall, a second wall opposite the first wall and side walls. The resonant chamber houses three or more resonator posts that are spaced apart, each resonator post being grounded on one of the first wall and the bottom wall. A first set of the resonator posts being grounded on the first wall so as to extend into the chamber from the first wall. A second set of the resonator posts being grounded on the second wall so as to extend into the chamber from the second wall. Each resonator post of the first set is for magnetic field coupling in proximity with at least one of the resonator posts of the second set.

IPC 8 full level  
**H01P 7/10** (2006.01); **H01P 1/208** (2006.01)

CPC (source: EP)  
**H01P 1/205** (2013.01); **H01P 1/2084** (2013.01); **H01P 7/04** (2013.01)

Citation (search report)

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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)  
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