

Title (en)

Cavity resonator for radio frequency signals

Title (de)

Hohlraumresonator für Funkfrequenzsignale

Title (fr)

Résonateur à cavité pour signaux de fréquence radio

Publication

EP 2869394 A1 20150506 (EN)

Application

EP 13190700 A 20131029

Priority

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Abstract (en)

The invention relates to a cavity resonator (100, 100a, 100b, 100c, 100d, 100e, 100f, 100g) for radio frequency signals, wherein said cavity resonator (100) comprises a basically cylindrical shape with opposing first and second axial end plates (102, 104), wherein said first axial end plate (102) comprises a first area section (1020) and a second area section (1022), wherein said first and second area sections (1020, 1022) are connected with each other by at least one capacitive element (110), and wherein a basically cylindrical post (120) comprising an electrically conductive surface is provided in said cavity resonator (100) such that an electrically conductive connection is established between an inner surface (1020a) of said first area section (1020) of said first axial end plate (102) and an inner surface (104a) of said second axial end plate (104).

IPC 8 full level

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CPC (source: EP)

H01P 1/2136 (2013.01); **H01P 7/04** (2013.01); **H01P 7/06** (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

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