

Title (en)

METHOD FOR MANUFACTURING A DIELECTRIC PART WITH MESHES FORMING A THREE-DIMENSIONAL SOLID LATTICE AND DIELECTRIC PART THUS MANUFACTURED

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES DIELEKTRISCHEN TEILS MIT NETZEN, DIE EIN DREIDIMENSIONALES FESTES GITTER BILDEN, UND DADURCH HERGESTELLTES DIELEKTRISCHES TEIL

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE PIÈCE DIÉLECTRIQUE À MAILLES FORMANT UN RÉSEAU SOLIDE TRIDIMENSIONNEL ET PIÈCE DIÉLECTRIQUE AINSI FABRIQUÉE

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Application

EP 15817487 A 20151207

Priority

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Abstract (en)

[origin: WO2016092191A1] The present invention relates to a method for manufacturing a dielectric part in which a plurality of dielectric materials are interlocked, at least one of which is in solid state, and having at least one relative electromagnetic constant ϵ_r , μ_r with various values, by selecting (15) an interlocking structure formed by a three-dimensional solid lattice made up of a repetition in three directions of space of meshes of at least one solid dielectric material. The dielectric part is manufactured (16) by three-dimensional printing of the three-dimensional solid lattice such that the part has at least one predetermined tensor $[\epsilon_r]$, $[\mu_r]$ of at least one relative electromagnetic constant ϵ_r , μ_r .

IPC 8 full level

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