

Title (en)

METHOD AND PLASMATRON FOR THE PRODUCTION OF A MODIFIED MATERIAL AND CORRESPONDING MODIFIED MATERIAL

Title (de)

VERFAHREN UND PLASMATRON ZUR HERSTELLUNG EINES MODIFIZIERTEN MATERIALS SOWIE ENTSPRECHEND MODIFIZIERTES MATERIAL

Title (fr)

PROCEDE ET PLASMATRON POUR LA PRODUCTION D'UN MATERIAU MODIFIE ET MATERIAU MODIFIE CORRESPONDANT

Publication

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Application

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Abstract (en)

[origin: WO2005041328A1] The invention relates amongst others to a method for the production of a modified material, for example, a carbon material, comprising the following steps: generation of a high frequency field in a chamber (2) of a plasmatron (1), introduction of a plasma gas into the chamber (2), generation of a plasma from the plasma gas, by means of the high frequency field and introduction of starting material into the plasma. The invention further relates to a plasmatron (1), for the production of a modified material (M), comprising: a chamber (2), at least one high frequency inductor (3), arranged on at least one part of the chamber (2), a gas inlet line (10, 11), for the introduction of a plasma gas into the region of a high frequency field, generated by the high frequency inductor (3) and a material supply line (4), for the injection of starting material into the plasma generated from the plasma gas by the high frequency inductor (3) using a transport gas. Furthermore, a correspondingly produced modified carbon material is also disclosed.

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