

Title (en)
METHOD FOR PRODUCING CARBON COMPOSITE MATERIALS BY PLASMA PYROLYSIS AND THERMAL SPRAYING

Title (de)
VERFAHREN ZUR HERSTELLUNG VON KOHLENSTOFF-VERBUNDWERKSTOFFEN DURCH PLASMAPYROLYSE UND THERMISCHES SPRITZEN

Title (fr)
PROCEDE DE FABRICATION DE MATERIAUX COMPOSITES AU CARBONE PAR PYROLYSE AU PLASMA ET PROJECTION THERMIQUE

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Application
EP 06805276 A 20060825

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Abstract (en)
[origin: WO2007028358A1] The invention describes a method for producing carbon composite materials by pyrolysis and thermal spraying, in which method a material obtained at least partly from renewable raw materials is transformed by means of pyrolysis into a porously lattice-like matrix and this matrix is subsequently filled at least partially with an infiltration material by means of thermal spraying methods. Here, the pyrolysis of the material by means of a thermal spraying method is carried out until the porously lattice-like matrix of the carbonized material has formed, at least in certain regions, and subsequently at least the carbonized regions with the porously lattice-like matrix are coated with an infiltration material, or are at least partially filled by an infiltration material, likewise by means of thermal spraying methods.

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