

Title (en)
NOVEL METHOD FOR PRODUCING HIGH-CARBON MATERIALS AND HIGH-CARBON MATERIAL PRODUCED

Title (de)
NEUARTIGES VERFAHREN ZUR HERSTELLUNG VON KOHLENSTOFFFREICHEN MATERIALIEN SOWIE HERGESTELLTES KOHLENSTOFFFREICHES MATERIAL

Title (fr)
NOUVEAU PROCEDE DE FABRICATION DE MATERIAUX HAUTEMENT CARBONES ET MATERIAU HAUTEMENT CARBONE OBTENU

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Application
EP 17794393 A 20171026

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Abstract (en)
[origin: WO2018078287A1] The invention relates to a method (1) for producing a high-carbon material (2), characterised in that it comprises the combination (100) of a structured precursor (10) comprising a fibre or a group of fibres and a non-structured precursor (15), in the form of a fluid, said fluid having a viscosity of less than 45 000 MPa.s-1 at the temperature at which the combination step is carried out, and comprising at least one organic compound which is cyclical or aromatic in the melted state or in solution with a mass concentration lower than or equal to 65%, in such a way as to obtain a combined precursor (20) corresponding to the structured precursor (10) covered with the non-structured precursor (15), said method also comprising the following steps: a step of thermal and dimensional stabilisation (200) of the combined precursor (20) in such a way as to produce a fibre or a group of fibres covered with a cyclical or aromatic organic compound deposit (30), and a step of carbonisation (300) of the fibre or the group of fibres covered with a cyclical or aromatic organic compound deposit (30) in such a way as to produce a high-carbon material (2).

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