

Title (en)

METHOD FOR PRODUCING A NANO- OR MICROSTRUCTURED FOAM

Title (de)

VERFAHREN ZUM HERSTELLEN EINES NANO- ODER MIKROSTRUKTURIERTEN SCHAUMSTOFFS

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE MOUSSE NANOSTRUCTURÉE OU MICROSTRUCTURÉE

Publication

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Application

**EP 16714351 A 20160330**

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Abstract (en)

[origin: WO2016156384A1] The invention relates to a method for producing a nano- or microstructured foam, wherein the foam is constructed of a plurality of in particular nano- or microstructured silicon carbide fibers connected to each other, characterized in that the method has the following steps: a) providing a mixture having a silicon source and a carbon source, wherein the silicon source and the carbon source are jointly present in particles of a solid granular material; b) treating the mixture provided in step a) at a temperature in a range of  $\geq 1400^{\circ}\text{C}$  to  $\leq 1500^{\circ}\text{C}$ . Such a method allows a foam formed of silicon carbide fibers to be produced simply and economically.

IPC 8 full level

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