

Title (en)

METHOD FOR PRODUCING A SINTERED CERAMIC FOAM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GESINTERTEN KERAMIKSCHAUMES

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE MOUSSE CÉRAMIQUE FRITTÉE

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Application

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Abstract (en)

[origin: WO2022263623A1] The invention relates to a method for producing a sintered ceramic foam according to the following successive steps: a) preparing a mixture M containing at least one ceramic powder suspended in water, at least one gelling agent and at least one foaming agent, at a mixing temperature above the gelling temperature of said gelling agent, b) shearing said mixture M at a foaming temperature above said gelling temperature, until an intermediate foam is obtained, c) gelling said intermediate foam by cooling said intermediate foam to a temperature at least half that of the gelling temperature of the gelling agent, in °C, d) drying said gelled foam in a climatic oven, preferably under forced ventilation and/or by supercritical autoclaving, e) firing said preform at a temperature above 1300°C and below 2300°C.

IPC 8 full level

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CPC (source: EP)

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