

Title (en)
PROCESS FOR PRODUCING AN IN PARTICULAR POROUS SHAPED CERAMIC BODY AND SHAPED BODY PRODUCED THEREBY

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES INSBESONDERE PORÖSEN KERAMISCHEN FORMKÖRPERS UND DAMIT HERGESTELLTER FORMKÖRPER

Title (fr)
PROCÉDÉ DE FABRICATION D'UN CORPS MOULÉ EN CÉRAMIQUE, EN PARTICULIER POREUX, ET CORPS MOULÉ FABRIQUÉ AVEC CE PROCÉDÉ

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Application
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Abstract (en)
[origin: WO2008031130A2] The invention relates to a process for producing an in particular porous shaped ceramic body which is optionally reinforced with fibres and/or semifinished textile products such as woven fabrics, wherein a powder A and at least one further powder B are suspended in a liquid, after which a shaped body is formed from the suspension prepared in this way, optionally in combination with fibres and/or a semifinished textile product, and the shaped body is optionally sintered. According to the invention, the powders A and B are suspended at a pH of the liquid which corresponds approximately to a viscosity minimum of the suspension, as a result of which high solids contents in the suspension can be set at low viscosities. This allows rapid production of largely crack-free shaped bodies having microstructures which are advantageously low in defects.

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