

Title (en)

POROUS CERAMIC STRUCTURES AND METHODS OF MAKING POROUS CERAMIC STRUCTURES

Title (de)

PORÖSEKERAMISCHE STRUKTUREN UND VERFAHREN ZUR HERSTELLUNG VON PORÖSEN KERAMISCHEN STRUKTUREN

Title (fr)

STRUCTURES CERAMIQUES POREUSES ET PROCEDES DE FABRICATION CORRESPONDANTS

Publication

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Application

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Abstract (en)

[origin: WO9911582A1] The manufacture of porous ceramic structures such as membranes and filters from preceramic polymer precursors such as polyorganoborosilazanes is disclosed. A method comprising the steps of precipitating a preceramic polymer from a casting solution, then pyrolyzing the ceramic structure to form a porous ceramic is used. Structures with a voids volume of greater than 50 % are obtained with the method. Potential uses for the porous structures include ultrafiltration and nanofiltration.

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