

Title (en)

MULTIPHASE CERAMIC COMPONENTS PRODUCED BY REACTION INJECTION MOLDING.

Title (de)

MULTIPHASENKERAMIKBAUTEILE HERGESTELLT MITTELS REAKTIONSSPRITZGUSS.

Title (fr)

COMPOSANTS EN CERAMIQUE A PHASES MULTIPLES PRODUITS PAR MOULAGE PAR INJECTION PAR REACTION.

Publication

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Application

EP 94904886 A 19931221

Priority

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Abstract (en)

[origin: WO9414725A1] A reaction injection molding process for preparing ceramics having at least two compositionally distinct ceramic phases is disclosed. For example, block copolymers prepared from an aluminum-nitrogen polymer and a polysilazane are filled with a ceramic powder, a metal powder or mixtures thereof and cured in the mold. An AlN/SiC-containing ceramic is formed by pyrolysis of the molded articles in a nonoxidizing atmosphere.

IPC 1-7

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IPC 8 full level

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