

Title (en)

PROCESS FOR INCREASING STRENGTH OF STRUCTURAL CERAMIC MATERIALS BY FORMING CERAMIC COATING ON SURFACE AND PRODUCT FORMED THEREBY.

Title (de)

VERFAHREN ZUR ERHÖHUNG DER FESTIGKEIT VON KERAMISCHEN MATERIALIEN DURCH HERSTELLUNG EINER KERAMISCHEN SCHICHT UND SO HERSTELLTE PRODUKTE.

Title (fr)

PROCEDE SERVANT A AMELIORER LA RESISTANCE DE MATERIAUX EN CERAMIQUE AU MOYEN D'UN REVETEMENT DE SURFACE EN CERAMIQUE ET PRODUIT CORRESPONDANT.

Publication

EP 0636113 A1 19950201 (EN)

Application

EP 93909284 A 19930408

Priority

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Abstract (en)

[origin: WO9321131A1] A method is disclosed for increasing the strength of and repairing surface defects in a structural ceramic material which comprises coating the structural ceramic material with a tractable preceramic coating material capable of pyrolyzing to form a ceramic coating and heating the coated structural ceramic material to a temperature sufficiently high to permit pyrolysis of the preceramic polymer for a period of time sufficient to form a ceramic coating on the surface of the structural ceramic material.

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