

Title (en)

A REINFORCED GLASS AND/OR CERAMIC MATRIX COMPOSITE AND PROCESS FOR PREPARING SUCH COMPOSITES.

Title (de)

Ein verstärkter Glas-und/oder Keramikmatrixverbundwerkstoffund Verfahren zur Herstellung von diesen Verbundwerkstoffen.

Title (fr)

COMPOSITE MATRICIEL DE VERRE RENFORCE ET/OU DE CERAMIQUE, ET PROCEDE POUR PREPARER DE TELS COMPOSITES.

Publication

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Application

EP 90906630 A 19900316

Priority

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Abstract (en)

[origin: WO9113838A1] A process for preparing a fiber-reinforced, glass matrix composite and a composite as made by the process. The process employs forming a dilute aqueous slurry of solids comprising glass fibers, reinforcing fibers and binder material which may be partially or completely fibrous. The dilute aqueous slurry is destabilized and the solids are collected on a porous support means. They are then dewatered and dried to form a composite mat which can be hot-pressed into an article of manufacture. The hot-pressed article of manufacture may then be heated, in the absence of pressure, to a temperature above the softening point of the glass, but below the degradation temperature of the reinforcing fibers, to provide a lofted composite.

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C03C 14/00

IPC 8 full level

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Citation (search report)

- [X] WO 8504834 A1 19851107 - UNITED TECHNOLOGIES CORP [US]
- See references of WO 9113838A1

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