

Title (en)

PRODUCTION AND USE OF CERAMIC COMPOSITE MATERIALS BASED ON A POLYMERIC CARRIER FILM

Title (de)

HERSTELLUNG UND VERWENDUNG KERAMISCHER KOMPOSITMATERIALIEN BASIEREND AUF POLYMER-TRÄGERFOLIE

Title (fr)

FABRICATION ET UTILISATION DE MATÉRIAUX COMPOSITES CÉRAMIQUES PLACÉS SUR DES FILMS PORTEURS POLYMÈRES

Publication

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Application

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Abstract (en)

[origin: WO2010124892A1] The invention relates to a ceramic composite material (1), comprising a planar carrier substrate (2) and a porous coating (4) that is applied onto the carrier substrate (2) and contains ceramic particles (3). The problem underlying the invention is that of further developing a ceramic composite material of said type such that lower thicknesses can be achieved while maintaining the high thermal and mechanical stability. Said problem is solved by a ceramic composite material having a polymeric film (2) as the carrier substrate (2), wherein the carrier substrate (2) is provided with a perforation that consists of a plurality of holes (6) arranged at regular intervals, and wherein the perforation is covered by the porous coating (4) at least on one side of the carrier substrate (2). A cross-section of the ceramic composite material according to the invention is shown in figure 1.

IPC 8 full level

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See references of WO 2010124892A1

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