

Title (en)

CERAMIC MATRIX COMPOSITE STRUCTURES, COMPONENTS FORMED THEREWITH, AND METHODS OF PRODUCING

Title (de)

KERAMIKMATRIX-VERBUNDSTRUKTUREN, DARAUS GEFORMTE KOMPONENTEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

STRUCTURES EN COMPOSITES À MATRICE EN CÉRAMIQUE, PIÈCES FORMÉES À PARTIR DE CELLES-CI, ET PROCÉDÉS DE PRODUCTION

Publication

EP 2571686 A1 20130327 (EN)

Application

EP 11837286 A 20110516

Priority

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- US 2011036630 W 20110516

Abstract (en)

[origin: WO2012118516A1] Ceramic matrix composite sandwich structures, gas turbine engine components that comprise such sandwich structures, and methods of producing such sandwich structures. The ceramic matrix composite sandwich structure includes a core having oppositely-disposed first and second surfaces, a first facesheet bonded to the first surface, and a member bonded to the second surface so that the core is between the first facesheet and the member. The first facesheet and the core comprise, respectively, first and second ceramic matrix composite materials, and the second ceramic matrix composite material of the core has a ceramic reinforcement material in the form of a felt or an open weave fabric.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2012118516A1

Cited by

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