

Title (en)  
STRUCTURAL ELEMENT AND METHOD FOR PRODUCING SAID ELEMENT

Title (de)  
STRUKTURELEMENT UND VERFAHREN ZUR HERSTELLUNG DESSELBEN

Title (fr)  
ELEMENT STRUCTUREL ET SON PROCEDE DE PRODUCTION

Publication  
**EP 1718578 A1 20061108 (DE)**

Application  
**EP 05707241 A 20050207**

Priority  
• EP 2005001212 W 20050207  
• DE 102004008452 A 20040213

Abstract (en)  
[origin: WO2005077858A1] The aim of the invention is to produce a structural element, which can withstand corrosive and/or abrasive hot gas flows and in addition to having the aforementioned properties, can be advantageously produced. To achieve this: the structural element comprises a fibre-ceramic base body; the base body is configured from a C/C moulded body, which has a structure that has been reacted with Si to form C/C-SiC in a volume region that adjoins an upper face of the base body; and a ceramic hard material layer, created by plasma injection, is applied at least to part of a sub-region of the upper face of the base body.

IPC 8 full level  
**C04B 35/573** (2006.01); **C04B 35/83** (2006.01); **C04B 41/45** (2006.01); **C04B 41/50** (2006.01); **C04B 41/87** (2006.01); **C23C 4/02** (2006.01); **C23C 10/60** (2006.01); **F02K 9/97** (2006.01)

CPC (source: EP)  
**C04B 35/573** (2013.01); **C04B 35/83** (2013.01); **C04B 41/009** (2013.01); **C04B 41/4527** (2013.01); **C04B 41/87** (2013.01); **C23C 4/02** (2013.01); **C23C 10/60** (2013.01); **F02K 9/974** (2013.01); **F05D 2230/90** (2013.01); **F05D 2300/611** (2013.01)

Citation (search report)  
See references of WO 2005077858A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005077858 A1 20050825**; DE 102004008452 A1 20050901; DE 102004008452 B4 20060302; EP 1718578 A1 20061108; NO 20050758 D0 20050211; NO 20050758 L 20050815

DOCDB simple family (application)  
**EP 2005001212 W 20050207**; DE 102004008452 A 20040213; EP 05707241 A 20050207; NO 20050758 A 20050211