

Title (en)
STRUCTURAL ELEMENT AND METHOD FOR PRODUCING THE SAME

Title (de)
STRUKTURELEMENT UND VERFAHREN ZUR HERSTELLUNG DESSELBEN

Title (fr)
ELEMENT STRUCTUREL ET PROCEDE POUR SA PRODUCTION

Publication
EP 1888488 A1 20080220 (DE)

Application
EP 06754007 A 20060531

Priority
• EP 2006005180 W 20060531
• DE 102005026635 A 20050603

Abstract (en)
[origin: WO2006128686A1] To produce a structural element which withstands corrosive and/or abrasive hot gas streams during a preset service time and can be produced advantageously, it is proposed that the structural element comprises a ceramic fibre base body, that the base body is formed from a C/C moulding which in a volume region bordering the top side of the base body has a ceramic fibre structure reacted with Si to give C/C-SiC and that at least on a part region of the top side of the base body, a metal-comprising layer is applied.

IPC 8 full level
C04B 35/573 (2006.01); **C04B 35/83** (2006.01); **C04B 41/51** (2006.01); **C04B 41/52** (2006.01); **F02K 9/90** (2006.01)

CPC (source: EP US)
C04B 35/573 (2013.01 - EP US); **C04B 35/83** (2013.01 - EP US); **C04B 41/009** (2013.01 - EP US); **C04B 41/5133** (2013.01 - EP US); **C04B 41/52** (2013.01 - EP US); **C04B 41/88** (2013.01 - EP US); **C04B 41/90** (2013.01 - EP US); **F02K 9/974** (2013.01 - EP US); **C04B 2111/00982** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US); **F05D 2300/615** (2013.01 - EP US); **Y10T 428/249924** (2015.04 - EP US)

C-Set (source: EP US)
EP
1. **C04B 41/52 + C04B 41/5133**
2. **C04B 41/52 + C04B 41/5057**
3. **C04B 41/009 + C04B 35/83**
4. **C04B 41/009 + C04B 35/806**
5. **C04B 41/009 + C04B 35/573**
US
1. **C04B 41/52 + C04B 41/5133**
2. **C04B 41/52 + C04B 41/5057**
3. **C04B 41/009 + C04B 35/83**
4. **C04B 41/009 + C04B 35/573**

Citation (search report)
See references of WO 2006128686A1

Citation (examination)
US 6226866 B1 20010508 - WILSON DOUG [US], et al

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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DOCDB simple family (application)
DE 102005026635 A 20050603; EP 06754007 A 20060531; EP 2006005180 W 20060531; US 99844907 A 20071129