

Title (en)

HEAT SHIELD ELEMENT, METHOD AND FORM FOR THE PRODUCTION THEREOF, HOT GAS LINING AND COMBUSTION CHAMBER

Title (de)

HITZESCHILDELEMENT, VERFAHREN UND FORM ZU DESSEN HERSTELLUNG, HEISSGAS AUSKLEIDUNG UND BRENNKAMMER

Title (fr)

ELEMENT ECRAN THERMIQUE, PROCEDE ET MOULE POUR SA FABRICATION, REVETEMENT A GAZ CHAUD ET CHAMBRE DE COMBUSTION

Publication

**EP 1817147 A1 20070815 (DE)**

Application

**EP 05803716 A 20051121**

Priority

- EP 2005012447 W 20051121
- EP 04028445 A 20041201
- EP 05014376 A 20050701
- EP 05014798 A 20050707
- EP 05803716 A 20051121

Abstract (en)

[origin: WO2006058629A1] The invention relates to a heat shield element comprising a hot side (113) which is turned towards the hot medium, a cold side (115) which is turned away from the hot medium (115), peripheral sides (117) which connect the hot side (113) to the cold side (115) and a material volume which is defined by the hot side (113), the cold side (115) and the peripheral sides (117), wherein the material volume comprises at least two material areas (119, 121) which are made of different materials. The materials are different from each other at least in respect of their resistance and/or thermal expansion coefficient.

IPC 8 full level

**B28B 7/00** (2006.01); **F23M 5/02** (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP US)

**B28B 1/16** (2013.01 - EP US); **B28B 7/0014** (2013.01 - EP US); **B28B 7/0079** (2013.01 - EP US); **B28B 23/0056** (2013.01 - EP US); **C04B 35/1015** (2013.01 - EP US); **C04B 35/117** (2013.01 - EP US); **C04B 35/565** (2013.01 - EP US); **F23M 5/02** (2013.01 - EP US); **F23R 3/007** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US); **C04B 2235/3463** (2013.01 - EP US); **C04B 2235/602** (2013.01 - EP US); **C04B 2235/6027** (2013.01 - EP US); **F23M 2900/05004** (2013.01 - EP US)

Citation (search report)

See references of WO 2006058629A1

Citation (examination)

- WO 0233322 A1 20020425 - SIEMENS AG [DE], et al
- EP 1142852 A2 20011010 - DLR EV [DE]

Designated contracting state (EPC)

CH DE GB IT LI

DOCDB simple family (publication)

**WO 2006058629 A1 20060608**; EP 1817147 A1 20070815; US 2007289307 A1 20071220; US 2010213645 A1 20100826; US 2012228468 A1 20120913; US 8522559 B2 20130903; US 9314939 B2 20160419

DOCDB simple family (application)

**EP 2005012447 W 20051121**; EP 05803716 A 20051121; US 201213477354 A 20120522; US 77404910 A 20100505; US 79206805 A 20051121