

Title (en)
METHOD FOR THE PRODUCTION OF A THERMAL SHIELD ELEMENT

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES HITZESCHILDELEMENTES

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN ÉLÉMENT D'ÉCRAN THERMIQUE

Publication
EP 1817528 A1 20070815 (DE)

Application
EP 05811090 A 20051122

Priority

- EP 2005056127 W 20051122
- EP 04028445 A 20041201
- EP 05811090 A 20051122

Abstract (en)
[origin: EP1666797A1] The heat shield element has two material areas (19,21), in the material volume, which have different thermal coefficients of expansion. The hot side (13) and cold side (15) are turned towards heating medium. The hot side is connected to the cold side with peripheral surface (17) whereby the hot side, cold side and peripheral surface have limited material volume. Independent claims are also included for the following: (A) Hot gas lining; (B) Combustion chamber; and (C) Method for manufacturing ceramic heat shield element.

IPC 8 full level
F23M 5/02 (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP US)
F23M 5/02 (2013.01 - EP US); **F23R 3/002** (2013.01 - EP US)

Citation (search report)
See references of WO 2006058851A1

Designated contracting state (EPC)
CH DE ES GB IT LI PL

DOCDB simple family (publication)
EP 1666797 A1 20060607; EP 1817528 A1 20070815; EP 1817528 B1 20161019; US 2008104963 A1 20080508; WO 2006058851 A1 20060608

DOCDB simple family (application)
EP 04028445 A 20041201; EP 05811090 A 20051122; EP 2005056127 W 20051122; US 79213005 A 20051122