

Title (en)  
Heat shield element and method for manufacturing the same

Title (de)  
Feuerfestplatte sowie Verfahren zu deren Herstellung

Title (fr)  
Élément de bouclier thermique et son procédé de fabrication

Publication  
**EP 1701122 A3 20061206 (DE)**

Application  
**EP 06001075 A 20060119**

Priority  
DE 102005011789 A 20050311

Abstract (en)  
[origin: EP1701122A2] An oven heats e.g. steel blocks or profiles or similar and has an internal floor consisting of a heat-resistant base panel block that is of rectangular to trapezoidal planform. The base block is made of a composite material with an upper layer with a first set of properties and a lower layer with a second set of properties. The upper layer is optimized with respect with its exposure to flame, sparks and hot scale. The lower layer is optimized with respect to impact strength.

IPC 8 full level  
**F27D 1/06** (2006.01); **F23G 5/50** (2006.01); **F23M 5/04** (2006.01); **F23M 5/08** (2006.01); **F27D 1/04** (2006.01); **F27D 1/12** (2006.01)

CPC (source: EP)  
**F23M 5/02** (2013.01); **F23M 5/04** (2013.01); **F23M 5/08** (2013.01); **F27D 1/045** (2013.01); **F27D 1/06** (2013.01); **F27D 1/12** (2013.01); **F23M 2900/05004** (2013.01)

Citation (search report)

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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

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1701122 A2 20060913; EP 1701122 A3 20061206; EP 1701122 B1 20080130**; AT E385304 T1 20080215; DE 102005011789 B3 20061102; DE 502006000319 D1 20080320; ES 2301094 T3 20080616; PL 1701122 T3 20080930

DOCDB simple family (application)  
**EP 06001075 A 20060119**; AT 06001075 T 20060119; DE 102005011789 A 20050311; DE 502006000319 T 20060119; ES 06001075 T 20060119; PL 06001075 T 20060119