Title (en)

THERMAL INSULATION LAYER SYSTEM

Title (de)

WÄRMEDÄMMSCHICHT-SYSTEM

Title (fr)

SYSTEME STRATIFIE D'ISOLATION THERMIQUE

Publication

EP 1996741 A2 20081203 (DE)

Application

EP 07703928 A 20070117

Priority

- EP 2007050425 W 20070117
- DE 102006013215 A 20060322

Abstract (en)

[origin: WO2007107388A2] In order to improve the resistance of heat insulation layers, in particular under the stresses due to high surface temperatures and temperature transients which are typical of gas turbines, a thermal insulation layer system (1) which has a first main side (4) which is provided for arrangement adjoining a component (30) to be protected thermally and a second main side (5) which is provided for arrangement adjoining a hot environment (2) is proposed. The thermal insulation layer system (1) has sections (5,6) having different coefficients of thermal expansion.

IPC 8 full level

C23C 4/00 (2006.01); **C23C 28/00** (2006.01); **C23C 30/00** (2006.01); **F01D 5/28** (2006.01); **F01D 25/00** (2006.01)

CPC (source: EP KR US)

C23C 28/00 (2013.01 - KR); **C23C 28/042** (2013.01 - EP US); **C23C 30/00** (2013.01 - EP KR US); **F01D 5/28** (2013.01 - KR); **F01D 5/288** (2013.01 - EP US); **F01D 25/00** (2013.01 - KR); F05D 2230/312 (2013.01 - EP US); F05D 2300/50212 (2013.01 - EP US); Y10T 428/31504 (2015.04 - EP US)

Citation (search report)

See references of WO 2007107388A2

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 RS

DOCDB simple family (publication)

WO 2007107388 A2 20070927; **WO 2007107388 A3 20080508**; CN 101405422 A 20090408; DE 102006013215 A1 20071004; EP 1996741 A2 20081203; JP 2009530535 A 20090827; KR 20090008253 A 20090121; RU 2008141774 A 20100427; RU 2433207 C2 20111110; US 2010227198 A1 20100909

DOCDB simple family (application)

EP 2007050425 W 20070117; CN 200780009847 A 20070117; DE 102006013215 A 20060322; EP 07703928 A 20070117; JP 2009500789 A 20070117; KR 20087025683 A 20081021; RU 2008141774 A 20070117; US 22532607 A 20070117