

Title (en)

HEAT SHIELD ARRANGEMENT FOR A HIGH TEMPERATURE GAS CONVEYING COMPONENT, IN PARTICULAR FOR A GAS TURBINE COMBUSTION CHAMBER

Title (de)

HITZESCHILDANORDNUNG FÜR EINE EIN HEISSGAS FÜHRENDE KOMPONENTE, INSBESONDERE FÜR EINE BRENNKAMMER EINER GASTURBINE

Title (fr)

ENSEMBLE BOUCLIER THERMIQUE POUR UN COMPOSANT ACHEMINANT UN GAZ CHAUD, NOTAMMENT POUR UNE CHAMBRE DE COMBUSTION DE TURBINE À GAZ

Publication

EP 1654495 B1 20170412 (DE)

Application

EP 04763361 A 20040720

Priority

- EP 2004008116 W 20040720
- EP 03018415 A 20030813
- EP 04763361 A 20040720

Abstract (en)

[origin: EP1507116A1] The heat shield for gas turbine combustion chambers comprises a series of tiles (26A, 26B) arranged side-by-side with gaps (45) between. These are mounted on a support plate (31) and enclose chambers (37) for cooling gas. The gaps between the plates form outlets (43) for coolant (K). Independent claims are included for: (a) combustion chambers fitted with the heat shield; and (b) gas turbines incorporating the combustion chamber.

IPC 8 full level

F23R 3/00 (2006.01); **F23M 5/02** (2006.01); **F23M 5/08** (2006.01)

CPC (source: EP US)

F23M 5/02 (2013.01 - EP US); **F23M 5/085** (2013.01 - EP US); **F23R 3/002** (2013.01 - EP US); **F23R 2900/00012** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE ES GB IT LI

DOCDB simple family (publication)

EP 1507116 A1 20050216; CN 1829879 A 20060906; EP 1654495 A1 20060510; EP 1654495 B1 20170412; JP 2007501927 A 20070201; JP 4436837 B2 20100324; US 2009077974 A1 20090326; US 7849694 B2 20101214; WO 2005019730 A1 20050303

DOCDB simple family (application)

EP 03018415 A 20030813; CN 200480021635 A 20040720; EP 04763361 A 20040720; EP 2004008116 W 20040720; JP 2006522925 A 20040720; US 56811504 A 20040720