

Title (en)

HEAT-SHIELD ARRANGEMENT, ESPECIALLY FOR STRUCTURAL COMPONENTS OF GAS TURBINE PLANTS

Title (de)

HITZESCHILDANORDNUNG, INSBESONDERE FÜR STRUKTURTEILE VON GASTURBINENANLAGEN

Title (fr)

SYSTEME DE BOUCLIER THERMIQUE, NOTAMMENT POUR ELEMENTS STRUCTURAUX D'INSTALLATIONS A TURBINE A GAZ

Publication

EP 0904512 B1 20020821 (DE)

Application

EP 97925907 A 19970610

Priority

- DE 9701169 W 19970610
- DE 19623300 A 19960611

Abstract (en)

[origin: DE19623300A1] The object of the invention is a heat-shield arrangement to protect a bearing structure (1) from a hot fluid, with an inner cladding (2a) of heat-resistant material and composed of plate-like heat-shield components (2) arranged side-by-side leaving gaps (2b) and anchored to the bearing structure (1) in a manner allowing heat circulation by bolts (4). The heat-shield components (2) are made of a non-eroding and non-corroding material. Between each heat-shield component (2) and the bearing structure (1) is fitted an insulating block (3) of a fireproof ceramic.

IPC 1-7

F23R 3/00; **F27D 1/04**; **F27D 1/14**; **F23M 5/04**

IPC 8 full level

F02C 7/00 (2006.01); **F23M 5/00** (2006.01); **F23M 5/04** (2006.01); **F23R 3/00** (2006.01); **F27D 1/04** (2006.01); **F27D 1/14** (2006.01)

CPC (source: EP KR US)

F23M 5/04 (2013.01 - EP US); **F23R 3/00** (2013.01 - KR); **F23R 3/007** (2013.01 - EP US); **F27D 1/04** (2013.01 - EP US); **F27D 1/145** (2013.01 - EP US); **F23M 2900/05004** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

DE 19623300 A1 19971218; DE 59708012 D1 20020926; EP 0904512 A1 19990331; EP 0904512 B1 20020821; JP 2000512370 A 20000919; KR 20000016569 A 20000325; RU 2184319 C2 20020627; UA 45455 C2 20020415; US 6085515 A 20000711; WO 9747925 A1 19971218

DOCDB simple family (application)

DE 19623300 A 19960611; DE 59708012 T 19970610; DE 9701169 W 19970610; EP 97925907 A 19970610; JP 50106498 A 19970610; KR 19980710161 A 19981211; RU 99100095 A 19970610; UA 98126499 A 19970610; US 20835998 A 19981210