

Title (en)

HOT GAS-CONDUCTING HOUSING ELEMENT, PROTECTIVE SHAFT JACKET, AND GAS TURBINE SYSTEM

Title (de)

HEIßGASFÜHRENDES GEHÄUSEELEMENT, WELLENSCHUTZMANTEL UND GASTURBINENANLAGE

Title (fr)

ELEMENT DE CARTER CONDUCTEUR DE GAZ CHAUD, ENVELOPPE DE PROTECTION D'ARBRE ET SYSTEME DE TURBINE A GAZ

Publication

EP 1904717 A2 20080402 (DE)

Application

EP 06764031 A 20060704

Priority

- EP 2006063825 W 20060704
- EP 05015001 A 20050711
- EP 06764031 A 20060704

Abstract (en)

[origin: EP1744016A1] Hot gas-conducting housing element has encompassing a compressor, a turbine, and a turbine rotor. The hot gas-conducting housing element is embodied so as to surround a protective shaft jacket (15a) which is placed around the turbine rotor and conduct a hot gas to the turbine. The rib (22a) or the inner housing hub (17b,17c) which are fitted with cooling fluid ducts (25a,28b,28c). Independent claims are also included for the following: (A) Protective shaft jacket; (B) Housing unit; and (C) Gas turbine system.

IPC 8 full level

F01D 5/08 (2006.01); **F01D 25/12** (2006.01); **F01D 25/14** (2006.01); **F01D 25/28** (2006.01); **F23R 3/60** (2006.01)

CPC (source: EP US)

F01D 5/08 (2013.01 - EP US); **F01D 25/12** (2013.01 - EP US); **F01D 25/14** (2013.01 - EP US); **F23R 3/60** (2013.01 - EP US); **F05D 2250/231** (2013.01 - EP US); **F05D 2260/201** (2013.01 - EP US); **F05D 2260/202** (2013.01 - EP US); **F23R 2900/03044** (2013.01 - EP US)

Citation (search report)

See references of WO 2007006680A2

Designated contracting state (EPC)

IT

DOCDB simple family (publication)

EP 1744016 A1 20070117; AU 2006268716 A1 20070118; AU 2006268716 B2 20110519; CN 101218416 A 20080709; CN 101218416 B 20111214; EP 1904717 A2 20080402; EP 1904717 B1 20130306; RU 2008104922 A 20090820; RU 2425227 C2 20110727; US 2009035124 A1 20090205; US 8147179 B2 20120403; WO 2007006680 A2 20070118; WO 2007006680 A3 20070426; ZA 200800182 B 20100929

DOCDB simple family (application)

EP 05015001 A 20050711; AU 2006268716 A 20060704; CN 200680025181 A 20060704; EP 06764031 A 20060704; EP 2006063825 W 20060704; RU 2008104922 A 20060704; US 98870906 A 20060704; ZA 200800182 A 20080108