

Title (en)

Hot gas conducting cover element, shaft protection shroud and gas turbine

Title (de)

Heissgasführendes Gehäuseelement, Wellenschutzmantel und Gasturbinenanlage

Title (fr)

Élément de carénage pour gaz chauds, chemise de protection de l'arbre et turbine à gaz

Publication

EP 1744016 A1 20070117 (DE)

Application

EP 05015001 A 20050711

Priority

EP 05015001 A 20050711

Abstract (en)

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 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 (applicant)

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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)

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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