

Title (en)

Gas turbine blade and gas turbine

Title (de)

Gasturbinenschaufel und Gasturbine

Title (fr)

Aube de turbine à gaz et turbine à gaz

Publication

EP 1219787 A1 20020703 (DE)

Application

EP 00128576 A 20001227

Priority

EP 00128576 A 20001227

Abstract (en)

A gas turbine blade (11a, 11b, 13a, 13b) has a ceramic cover (27a, 27b) on a metal platform (23a, 23b), mechanically fixed to it so that the metal platform is protected against the hot gas (17) flowing through the hot gas channel (9) of the gas turbine. The ceramic cover may be made in two halves.

Abstract (de)

Es wird eine Gasturbinenschaufel (11,13) beschrieben, bei der eine keramische Abdeckung (27) auf einer Metallplattform (23) mechanisch befestigt so angeordnet ist, daß die Metallplattform (23) gegenüber einem Heißgas (17) in einem Heißgaskanal (9) einer Gasturbine (1) geschützt ist.

<IMAGE>

IPC 1-7

F01D 11/00; **F01D 25/14**

IPC 8 full level

F01D 9/02 (2006.01); **F01D 11/00** (2006.01); **F01D 25/14** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)

F01D 5/225 (2013.01 - EP US); **F01D 11/008** (2013.01 - EP US); **F01D 25/145** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F05D 2240/80** (2013.01 - EP US); **F05D 2260/221** (2013.01 - EP US); **F05D 2300/21** (2013.01 - EP US); **F05D 2300/502** (2013.01 - EP US); **F05D 2300/601** (2013.01 - EP US)

Citation (applicant)

DE 2628807 A1 19770127 - GEN ELECTRIC

Citation (search report)

- [XY] WO 0057032 A1 20000928 - SIEMENS AG [DE], et al
- [Y] US 6051277 A 20000418 - CLAUSSEN NILS [DE], et al
- [X] US 5269651 A 19931214 - OSTERMEIR OSKAR [DE], et al
- [X] US 3867065 A 19750218 - SCHALLER RICHARD J, et al
- [A] EP 0420243 A1 19910403 - HITACHI LTD [JP], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 014, no. 060 (M - 0931) 5 February 1990 (1990-02-05)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 228 (M - 610) 24 July 1987 (1987-07-24)

Cited by

CN107075952A; EP3147459A3; CN106870017A; EP2108785A3; US10161266B2; WO2010149528A1; EP2282014A1; EP2108785A2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1219787 A1 20020703; **EP 1219787 B1 20051221**; CA 2366184 A1 20020627; DE 50011923 D1 20060126; JP 2002201912 A 20020719; JP 4125891 B2 20080730; US 2002182067 A1 20021205; US 6652228 B2 20031125

DOCDB simple family (application)

EP 00128576 A 20001227; CA 2366184 A 20011224; DE 50011923 T 20001227; JP 2001391104 A 20011225; US 3292601 A 20011227