

Title (en)

Gas turbine rotor

Title (de)

Gasturbinenrotor

Title (fr)

Rotor d'une turbomachine

Publication

**EP 1621735 A3 20081217 (DE)**

Application

**EP 05106088 A 20050705**

Priority

DE 102004037331 A 20040728

Abstract (en)

[origin: EP1621735A2] The gas turbine rotor has blades (4) with inner space cooled and a mechanical sealing and damping component between the opposing side surfaces (6) of the adjacent blade platforms (7). The gap between the side surfaces is additionally dynamically sealed in relation to the hot gas flow. Cooling air is conducted via a cooling channel (9) out of a hollow space (5) of the rotor blades into the gap between the side surfaces.

IPC 8 full level

**F01D 11/00** (2006.01)

CPC (source: EP US)

**F01D 5/187** (2013.01 - EP US); **F01D 11/008** (2013.01 - EP US); **F01D 11/04** (2013.01 - EP US); **Y10S 416/50** (2013.01 - EP US)

Citation (search report)

- [DY] US 6561764 B1 20030513 - TIEMANN PETER [DE]
- [Y] EP 0940561 A1 19990908 - MITSUBISHI HEAVY IND LTD [JP]
- [A] EP 1221539 A2 20020710 - MITSUBISHI HEAVY IND LTD [JP]
- [A] EP 0856641 A1 19980805 - SNECMA [FR]
- [A] EP 0902167 A1 19990317 - ASEA BROWN BOVERI [CH]
- [A] EP 1074695 A2 20010207 - UNITED TECHNOLOGIES CORP [US]

Cited by

EP2372090B1

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)

**EP 1621735 A2 20060201**; **EP 1621735 A3 20081217**; **EP 1621735 B1 20100224**; DE 102004037331 A1 20060323; DE 502005009070 D1 20100408; US 2006024166 A1 20060202; US 7874803 B2 20110125

DOCDB simple family (application)

**EP 05106088 A 20050705**; DE 102004037331 A 20040728; DE 502005009070 T 20050705; US 18977105 A 20050727