

Title (en)

Cooling system for the shroud of paired rotor blades

Title (de)

Kühlungssystem für die Abdeckplatten von Rotorscheufelpaaren

Title (fr)

Système de ventilation d'une paire de plates-formes d'aubes juxtaposées

Publication

EP 1164253 B1 20050302 (FR)

Application

EP 01401534 A 20010614

Priority

- FR 0007611 A 20000615
- US 88394801 A 20010620

Abstract (en)

[origin: EP1164253A1] The ventilation system for a pair of platforms (6) on adjacent turbine blades (4) covering a ventilation cavity (8) next to the turbine disc (1), incorporates a sheet metal sealing sleeve (9) with holes (12) under vents (11) in the platforms. The sealing sleeve has elongated recesses (13) under the platform vents, running parallel with the joint (7) between platforms and with the holes (12) in line with the vents.

IPC 1-7

F01D 11/00

IPC 8 full level

F01D 5/16 (2006.01); **F01D 5/18** (2006.01); **F01D 5/26** (2006.01); **F01D 5/30** (2006.01); **F01D 11/00** (2006.01); **F01D 25/00** (2006.01)

CPC (source: EP US)

F01D 5/22 (2013.01 - US); **F01D 11/006** (2013.01 - US); **F01D 11/008** (2013.01 - EP US); **F05B 2240/801** (2013.01 - US); **F05D 2240/81** (2013.01 - EP)

Cited by

EP1496199A3; EP2055898A3; EP2110515A3; FR2981979A1; FR2927357A1; FR2974387A1; US9121293B2; US8961137B2; WO2010103551A1; EP2540971B1; US9863263B2; US10851661B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1164253 A1 20011219; EP 1164253 B1 20050302; FR 2810365 A1 20011221; FR 2810365 B1 20021011; JP 2002021503 A 20020123; JP 4047560 B2 20080213; US 6457935 B1 20021001

DOCDB simple family (application)

EP 01401534 A 20010614; FR 0007611 A 20000615; JP 2001180380 A 20010614; US 88394801 A 20010620