

Title (en)

Device for regulating the clearance between a rotor blade and a fixed ring in a gas turbine engine.

Title (de)

Vorrichtung zur Regelung des Spiels zwischen einem Rotorblatt und einem feststehendem Ring in einer Gasturbine

Title (fr)

Dispositif de contrôle de jeu entre le sommet d'aube et un anneau fixe dans une turbine à gaz

Publication

**EP 1775427 A1 20070418 (FR)**

Application

**EP 06120571 A 20060913**

Priority

FR 0509749 A 20050923

Abstract (en)

The casing has a stationary ring (30) secured to an annular support (20) to surround moving blades (32) of a turbine (120). The support has a circumferential wall (22) coaxially surrounding the ring. Perforations (12) are defined by same-size holes that are formed in an inwardly-directed radial wall (14) to ventilate the outside face of the circumferential wall. The radial wall is provided in flush with a radial rib (28) of the support, to define a ventilation chamber (29) between a casing inner face (10i) and an outside face (22e) of the circumferential wall.

IPC 8 full level

**F01D 25/12** (2006.01)

CPC (source: EP US)

**F01D 11/24** (2013.01 - EP US); **F01D 25/12** (2013.01 - EP US); **F01D 25/24** (2013.01 - EP US)

Citation (search report)

- [A] DE 2556519 A1 19760701 - GEN ELECTRIC
- [A] US 4177004 A 19791204 - BOBO MELVIN [US], et al
- [A] US 3583824 A 19710608 - SMULAND ROBERT J, et al

Cited by

CN101952557A; RU2483218C2; WO2009123301A3

Designated contracting state (EPC)

DE FR GB IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1775427 A1 20070418**; **EP 1775427 B1 20081105**; CA 2560227 A1 20070323; CA 2560227 C 20130910; CN 1936279 A 20070328; CN 1936279 B 20110629; DE 602006003502 D1 20081218; FR 2891300 A1 20070330; JP 2007085346 A 20070405; JP 4990586 B2 20120801; RU 2006133869 A 20080427; RU 2435039 C2 20111127; US 2007071598 A1 20070329; US 7641442 B2 20100105

DOCDB simple family (application)

**EP 06120571 A 20060913**; CA 2560227 A 20060920; CN 200610139764 A 20060922; DE 602006003502 T 20060913; FR 0509749 A 20050923; JP 2006255339 A 20060921; RU 2006133869 A 20061017; US 52428606 A 20060921