Title (en)

Device to control clearances in a gas turbine

Title (de)

Vorrichtung für die Regelung von Spalten in einer Gasturbine

Title (fr)

Dispositif de contrôle de jeu dans une turbine a gaz

Publication

EP 1505261 B1 20080220 (FR)

Application

EP 04291818 A 20040716

Priority

FR 0309686 A 20030806

Abstract (en)

[origin: EP1505261A1] The device has a circular control box (22) surrounding a fixed ring set of a gas turbine. The box has two annular air circulation rails that are spaced from each other. The rails have perforations that modify temperature of the ring set. Hollow spacers (32) connect an air supply channel (28) to the rails in order to supply air in the rails and permit the air to be discharged in the ring set.

IPC 8 full level

F01D 11/08 (2006.01); **F01D 11/24** (2006.01); **F02C 7/18** (2006.01); **F02C 7/28** (2006.01)

CPC (source: EP US)

F01D 11/24 (2013.01 - EP US)

Cited by

WO2018229385A1; FR2931872A1; EP2987965A1; FR3067751A1; FR2965583A1; EP2243931A3; EP2372105A3; GB2518946A; EP2987966A1; GB2518946B; FR3114345A1; US8662828B2; US10294818B2; WO2016026752A1; WO2009144191A1; US11542833B2; US8668438B2

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 1505261 A1 20050209; **EP 1505261 B1 20080220**; CA 2475081 A1 20050206; CA 2475081 C 20110913; DE 602004011859 D1 20080403; DE 602004011859 T2 20090212; ES 2300722 T3 20080616; FR 2858652 A1 20050211; FR 2858652 B1 20060210; JP 2005054777 A 20050303; JP 4185476 B2 20081126; RU 2004122668 A 20060127; RU 2290515 C2 20061227; UA 83188 C2 20080625; US 2005042080 A1 20050224; US 7114914 B2 20061003

DOCDB simple family (application)

EP 04291818 A 20040716; CA 2475081 A 20040721; DE 602004011859 T 20040716; ES 04291818 T 20040716; FR 0309686 A 20030806; JP 2004212950 A 20040721; RU 2004122668 A 20040726; UA 20040806525 A 20040804; US 89585704 A 20040722