

Title (en)

Spraybar configuration to control the tip clearance in a gas turbine

Title (de)

Einrichtung um die Spaltweite zwischen den Schaufelspitzen und dem Gehäuse einer Gasturbine zu Steuern

Title (fr)

Dispositif de pilotage de jeu de turbine à gaz à équilibrage des débits d'air

Publication

EP 1577502 B1 20080716 (FR)

Application

EP 04293170 A 20041230

Priority

FR 0402826 A 20040318

Abstract (en)

[origin: EP1577502A1] The device has air circulating ramps mounted on outer surface of a casing (12), to discharge air on the casing for modifying temperature. An air collecting tube (20) is placed around the ramps, and is supplied with air by an air supply tube. Air ducts (24) open in the tube (20) and emerge in the ramps for supplying air to them. A diaphragm (30) placed at input of the air ducts, balances air flow rate from the tube (20).

IPC 8 full level

F01D 11/08 (2006.01); **F01D 11/24** (2006.01); **F01D 9/02** (2006.01); **F01D 9/04** (2006.01)

CPC (source: EP US)

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EP 1577502 A1 20050921; **EP 1577502 B1 20080716**; CA 2500491 A1 20050918; CA 2500491 C 20121113; DE 602004015063 D1 20080828; ES 2310706 T3 20090116; FR 2867806 A1 20050923; FR 2867806 B1 20060602; JP 2005264936 A 20050929; JP 4538347 B2 20100908; RU 2005106889 A 20060820; RU 2379522 C2 20100120; UA 91667 C2 20100825; US 2007264120 A1 20071115; US 7309209 B2 20071218

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