

Title (en)

COOLING CIRCUIT FOR GAS TURBINE FIXED RING

Title (de)

KÜHLKANÄLE IN EINEM BEFESTIGUNGSRING EINER GASTURBINE

Title (fr)

CIRCUITS DE REFROIDISSEMENT POUR ANNEAU FIXE DE TURBINE A GAZ

Publication

**EP 1644615 B1 20150401 (FR)**

Application

**EP 04767617 A 20040708**

Priority

- FR 2004001785 W 20040708
- FR 0308483 A 20030710

Abstract (en)

[origin: FR2857406A1] The ring has ring segments (16) with an internal upper cooling circuit (A) and an internal lower cooling circuit (B). The lower cooling circuit is independent of the upper cooling circuit and shifted radially with respect to the upper cooling circuit. The respective cooling circuits cool an outer annular surface (20) and an inner annular surface (18) of the segments exposed to the flow of hot gas of a gas turbine.

IPC 8 full level

**F01D 25/12** (2006.01); **F01D 9/04** (2006.01); **F01D 11/08** (2006.01)

CPC (source: EP US)

**F01D 9/04** (2013.01 - EP US); **F01D 11/08** (2013.01 - EP US); **F01D 25/12** (2013.01 - EP US); **F05D 2260/202** (2013.01 - EP US)

Cited by

EP3708786A3

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**FR 2857406 A1 20050114**; **FR 2857406 B1 20050930**; CA 2531519 A1 20050127; CA 2531519 C 20110830; EP 1644615 A1 20060412; EP 1644615 B1 20150401; JP 2007516375 A 20070621; JP 4536723 B2 20100901; RU 2005141577 A 20060627; RU 2348817 C2 20090310; UA 83835 C2 20080826; US 2007041827 A1 20070222; US 7517189 B2 20090414; WO 2005008033 A1 20050127

DOCDB simple family (application)

**FR 0308483 A 20030710**; CA 2531519 A 20040708; EP 04767617 A 20040708; FR 2004001785 W 20040708; JP 2006518296 A 20040708; RU 2005141577 A 20040708; UA A200600154 A 20040708; US 55720304 A 20040708