

Title (en)

Gas turbine annular combustion chamber with improved inner support flange

Title (de)

Ringbrennkammer für Gasturbine mit verbessertem inneren Halteflansch

Title (fr)

Chambre de combustion annulaire de turbomachine à bride interne de fixation améliorée

Publication

**EP 1593913 B1 20161116 (FR)**

Application

**EP 05290623 A 20050322**

Priority

FR 0403924 A 20040415

Abstract (en)

[origin: EP1593913A1] The chamber has inner annular and outer annular walls (4a, 4b) united by a transverse wall (4c). The annular walls are extended at their downstream ends by inner and outer fastener flanges fastened respectively to inner and outer shells of a casing. The inner flange has a set of air feed holes to feed cooling air to a high pressure turbine. The holes are distributed circumferentially over two rows in a staggered configuration.

IPC 8 full level

**F23R 3/06** (2006.01); **F23R 3/50** (2006.01); **F01D 5/08** (2006.01); **F02C 7/20** (2006.01); **F23R 3/52** (2006.01); **F23R 3/60** (2006.01)

CPC (source: EP US)

**F23R 3/50** (2013.01 - EP US); **F23R 3/60** (2013.01 - EP US)

Cited by

EP2107307A1; FR2929689A1; FR2944062A1; FR2890156A1; EP1760404A1; US7568350B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1593913 A1 20051109**; **EP 1593913 B1 20161116**; CA 2500762 A1 20051015; CA 2500762 C 20120925; FR 2869094 A1 20051021; FR 2869094 B1 20060721; JP 2005300145 A 20051027; RU 2005110358 A 20061020; RU 2365822 C2 20090827; US 2005229606 A1 20051020; US 7412834 B2 20080819

DOCDB simple family (application)

**EP 05290623 A 20050322**; CA 2500762 A 20050323; FR 0403924 A 20040415; JP 2005114429 A 20050412; RU 2005110358 A 20050411; US 10054305 A 20050407