

Title (en)

Annular combustion chamber for a gas turbine

Title (de)

Ringförmige Brennkammer für eine Gasturbine

Title (fr)

Chambre de combustion annulaire pour une turbine à gaz

Publication

EP 1384950 B1 20121017 (DE)

Application

EP 03405504 A 20030707

Priority

DE 10233805 A 20020725

Abstract (en)

[origin: EP1384950A2] The ring-shaped combustion chamber (13), for a gas turbine (10), has burners (14,15) opening into it at the entry side aligned axially towards the outflow opening (33) at the other end. The chamber has cooled inner cladding segments (16,17) as a protection against the hot gases. The cladding segments are arranged axially in a number of successive sections. The cladding segments are cooled by convection, and the coolant is released from the downstream segment into the hot gas flow.

IPC 8 full level

F23R 3/50 (2006.01)

CPC (source: EP US)

F23R 3/50 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1384950 A2 20040128; EP 1384950 A3 20070404; EP 1384950 B1 20121017; DE 10233805 A1 20040205; DE 10233805 B4 20130822; US 2004154308 A1 20040812; US 7350360 B2 20080401

DOCDB simple family (application)

EP 03405504 A 20030707; DE 10233805 A 20020725; US 62546703 A 20030723