

Title (en)

GAS TURBINE WITH A PERIPHERAL RING SEGMENT COMPRISING A RECIRCULATION CHANNEL

Title (de)

GASTURBINE MIT EINEM MANTELRINGSEGMENT, DAS EINEN REZIRKULATIONSKANAL UMFASST

Title (fr)

TURBINE À GAZ DOTÉE D'UN SEGMENT ANNULAIRE COMPRENANT UN CANAL DE RECIRCULATION

Publication

EP 2044293 A1 20090408 (DE)

Application

EP 07785646 A 20070718

Priority

- DE 2007001276 W 20070718
- DE 102006034424 A 20060726

Abstract (en)

[origin: CA2657190A1] A gas turbine is disclosed, with at least one compressor, at least one combustion chamber, and at least one turbine, wherein the, or each, compressor and/or the, or each, turbine has a rotor comprising guide vanes (12) enclosed by a static housing (13), and wherein an inlet covering (15) is assigned to the housing. The gas turbine comprises at least one channel (19) in order to apply a pressure prevailing on the high pressure side of the guide vanes (12) of a rotor to a low pressure side of same, in the region of a gap (17) between the radially external ends (16) of the guide vanes (12) and the housing (13), and thus to eliminate a flow through the gap (17).

IPC 8 full level

F01D 11/10 (2006.01); **F01D 11/12** (2006.01)

CPC (source: EP US)

F01D 11/10 (2013.01 - EP US); **F01D 11/122** (2013.01 - EP US); **F04D 29/164** (2013.01 - EP); **F04D 29/681** (2013.01 - EP US); **F04D 29/684** (2013.01 - EP); **F05D 2300/612** (2013.01 - EP US)

Citation (search report)

See references of WO 2008011864A1

Cited by

US10876549B2

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102006034424 A1 20080131; CA 2657190 A1 20080131; CA 2657190 C 20150623; EP 2044293 A1 20090408; EP 2044293 B1 20180613; US 2009324384 A1 20091231; US 8092148 B2 20120110; WO 2008011864 A1 20080131

DOCDB simple family (application)

DE 102006034424 A 20060726; CA 2657190 A 20070718; DE 2007001276 W 20070718; EP 07785646 A 20070718; US 30966207 A 20070718