

Title (en)

REFRIGERANT RECOVERY TYPE GAS TURBINE

Title (de)

GASTURBINE BEI DER DAS KÜHLMITTEL WIEDERVERWENDET WIRD

Title (fr)

TURBINE A GAZ DU TYPE A RECUPERATION DU REFRIGERANT

Publication

**EP 0965726 B1 20040630 (EN)**

Application

**EP 96940152 A 19961129**

Priority

JP 9603503 W 19961129

Abstract (en)

[origin: EP0965726A1] An object is to improve the operational reliability of a gas turbine by suppressing thermal stress and thermal deformation acting on the rotor of the gas turbine. The gas turbine has a rotor shaft constructed by arranging, in an axial direction in turn, a plurality of discs each having a plurality of combustion gas-driven moving blades annularly arranged on the peripheral portion and spacers arranged between the discs, and is characterized in that gap portions are formed between a region, on the rotor shaft center portion side, of the above-mentioned discs facing the spacers and spacers adjacent thereto, contact surfaces are formed both of which contact on both a region, on the rotor peripheral side, of the above-mentioned discs facing the spacers and adjacent spacers thereto, and a third flow path leading fluid to the above-mentioned gap portions is provided. <IMAGE>

IPC 1-7

**F01D 5/08**; **F01D 5/18**; **F02C 7/18**; **F01D 25/12**

IPC 8 full level

**F01D 5/08** (2006.01)

CPC (source: EP)

**F01D 5/084** (2013.01); **F01D 5/085** (2013.01); **F05D 2260/205** (2013.01)

Cited by

EP2581564A3; EP1577493A1; DE10208085A1; EP3205817A1; EP2184444A3; EP0894943A4; EP2581565A3; EP3156593A1; US9334753B2; US8932007B2; US6185924B1; US7585148B2; US10450864B2; WO2005093219A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0965726 A1 19991222**; **EP 0965726 A4 20011017**; **EP 0965726 B1 20040630**; DE 69632837 D1 20040805; DE 69632837 T2 20050707; JP 3634871 B2 20050330; WO 9823851 A1 19980604

DOCDB simple family (application)

**EP 96940152 A 19961129**; DE 69632837 T 19961129; JP 52645598 A 19961129; JP 9603503 W 19961129