

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 A1 19991222 (EN)

Application
EP 96940152 A 19961129

Priority
JP 9603503 W 19961129

Abstract (en)
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>

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

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