

Title (en)

Rotor thrust balancing apparatus and method

Title (de)

Rotorschubausgleichsvorrichtung und Verfahren

Title (fr)

Appareil d'équilibrage de la poussée axiale d'un rotor et méthode

Publication

**EP 1793081 A3 20071024 (EN)**

Application

**EP 06125145 A 20061130**

Priority

US 29011405 A 20051130

Abstract (en)

[origin: EP1793081A2] Apparatus and method of balancing thrust bearing load on a rotor thrust bearing (40) employ a first thrust balance piston cavity for exerting an aft directed thrust balancing force and a second balance piston cavity (42) for exerting an independently controlled forward directed thrust balancing force to allow flexible and wide range balancing of thrust load on the rotor thrust bearing (40).

IPC 8 full level

**F01D 3/04** (2006.01)

CPC (source: EP US)

**F01D 3/04** (2013.01 - EP US); **F05D 2240/52** (2013.01 - EP US)

Citation (search report)

- [XA] EP 1281836 A2 20030205 - ATLAS COPCO ENERGAS [DE]
- [XA] US 4907943 A 19900313 - KELCH GEORGE W [US]

Cited by

EP2050932A3; EP2246528A3

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1793081 A2 20070606**; **EP 1793081 A3 20071024**; **EP 1793081 B1 20100414**; CA 2569933 A1 20070530; DE 602006013579 D1 20100527; JP 2007154888 A 20070621; JP 4854484 B2 20120118; US 2007122265 A1 20070531

DOCDB simple family (application)

**EP 06125145 A 20061130**; CA 2569933 A 20061130; DE 602006013579 T 20061130; JP 2006324937 A 20061130; US 29011405 A 20051130