

Title (en)

JET ENGINE WITH ACTIVE-MAGNETIC BEARING

Title (de)

STRAHLTRIEBWERK MIT AKTIVMAGNETISCHER LAGERUNG

Title (fr)

MOTEUR À RÉACTION AVEC SUPPORT MAGNÉTIQUE ACTIF

Publication

**EP 1977499 A1 20081008 (DE)**

Application

**EP 07702377 A 20070119**

Priority

- DE 2007000096 W 20070119
- DE 102006003884 A 20060127

Abstract (en)

[origin: DE102006003884A1] The jet engine (1) comprises a hollow shaft (7) or low-pressure shaft (8), which is mounted in a bearing such that it can rotate about a mid-axis. A compressor and a turbine are arranged on the mid-axis. The jet engine has an electromechanical unit (10) arranged centrally about the mid-axis. The electromechanical unit is designed as starter or generator, and the electromechanical unit is also designed as an active-magnetic bearing. The electromechanical unit is designed in the form of a transverse flux machine.

IPC 8 full level

**H02K 7/18** (2006.01); **H02K 7/09** (2006.01)

CPC (source: EP US)

**H02K 7/09** (2013.01 - EP US); **H02K 7/1823** (2013.01 - EP US)

Citation (search report)

See references of WO 2007085229A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**DE 102006003884 A1 20070802**; EP 1977499 A1 20081008; US 2010143100 A1 20100610; US 8133004 B2 20120313; WO 2007085229 A1 20070802

DOCDB simple family (application)

**DE 102006003884 A 20060127**; DE 2007000096 W 20070119; EP 07702377 A 20070119; US 22323907 A 20070119