

Title (en)

Gas turbine motor with a braking device in the event of shaft breakage

Title (de)

Gasturbinenmotor mit einer Bremsvorrichtung für den Fall eines Wellenbruchs

Title (fr)

Moteur à turbine à gaz muni d'un dispositif de freinage en cas de rupture d'arbre

Publication

**EP 2071136 B1 20180725 (FR)**

Application

**EP 08156698 A 20080521**

Priority

FR 0703758 A 20070525

Abstract (en)

[origin: FR2916482A1] The system (100) has a braking unit (110) provided with an abrasive element (110A), braking unit (120) with a ring shaped element (120A) made of susceptible material. The two braking units are integrated to a stator and a rotor, respectively. The braking units are contacted by an axial displacement of the rotor, after braking of a shaft. The abrasive element is eroded with the ring shape element. The braking unit is mounted on a stator support formed by an exhaust case (10).

IPC 8 full level

**F01D 21/00** (2006.01)

CPC (source: EP US)

**F01D 21/006** (2013.01 - EP US); **F05D 2230/90** (2013.01 - EP US); **F05D 2260/902** (2013.01 - EP US); **F05D 2300/21** (2013.01 - EP US); **F05D 2300/2102** (2013.01 - EP US); **F05D 2300/2118** (2013.01 - EP US); **F05D 2300/44** (2013.01 - EP US); **F05D 2300/601** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US); **F05D 2300/611** (2013.01 - EP US); **F05D 2300/614** (2013.01 - EP US)

Cited by

US9062560B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**FR 2916482 A1 20081128**; **FR 2916482 B1 20090904**; EP 2071136 A2 20090617; EP 2071136 A3 20100310; EP 2071136 B1 20180725; US 2009126336 A1 20090521; US 8161727 B2 20120424

DOCDB simple family (application)

**FR 0703758 A 20070525**; EP 08156698 A 20080521; US 12664808 A 20080523