

Title (en)

Gas turbine comprising at least a compressor section having multiple stages compression modules

Title (de)

Gasturbine mit zumindest einer mehrstufigen, mehrere Verdichtermodule umfassenden Verdichtereinheit

Title (fr)

Turbine à gaz comprenant au moins une section de compresseur ayant une pluralité de modules multi stages

Publication

EP 2136032 A3 20150701 (DE)

Application

EP 09005734 A 20090423

Priority

DE 102008028883 A 20080618

Abstract (en)

[origin: EP2136032A2] The gas turbine has a multi-stage compressor unit (2). The compressor unit is assembled from individual, independent compressor modules (3,4,5). The compressor modules are supported on a drive shaft (1) in an independently rotating manner and are connected with the drive shaft by a coupling unit (9,10,11). The compressor module comprises a compressor stage with a rotor comprising multiple rotor blades and a stator comprising multiple stator blades.

IPC 8 full level

F01D 5/06 (2006.01); **F04D 19/02** (2006.01); **F04D 25/02** (2006.01)

CPC (source: EP US)

F01D 5/06 (2013.01 - EP US); **F04D 19/026** (2013.01 - EP US); **F04D 25/022** (2013.01 - EP US)

Citation (search report)

- [XA] CH 259558 A 19490131 - POWER JETS RES & DEV LTD [GB]
- [A] US 2461931 A 19490215 - MACLEISH SMITH DAVID, et al

Cited by

CN108286474A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2136032 A2 20091223; **EP 2136032 A3 20150701**; DE 102008028883 A1 20091224; US 2009314003 A1 20091224; US 8251639 B2 20120828

DOCDB simple family (application)

EP 09005734 A 20090423; DE 102008028883 A 20080618; US 48635509 A 20090617