

Title (en)
Turbine module for a gas turbine engine

Title (de)
Turbinenmodul für einen Gasturbinentriebwerk

Title (fr)
Module de turbine pour moteur à turbine à gaz

Publication
EP 1717415 A1 20061102 (FR)

Application
EP 06113242 A 20060427

Priority
FR 0551124 A 20050429

Abstract (en)
The module has a disk shaped component (5) pre-assembled, before assembling the module to a compressor, to a turbine disk (3) that is upstream with respect to the flow of a gas in a gas turbine engine. The component is pre-assembled by bolting to a mounting clip (31) which is integrated with the disk. The clip is fixed by bolts (7) retained by screws (73) which are tightened on the clip.

IPC 8 full level
F01D 5/06 (2006.01)

CPC (source: EP US)
F01D 5/027 (2013.01 - EP US); **F01D 5/066** (2013.01 - EP US); **F05B 2260/301** (2013.01 - EP US); **F05D 2230/60** (2013.01 - EP US); **F05D 2260/34** (2013.01 - EP US)

Citation (search report)

- [A] US 5816776 A 19981006 - CHAMBON FREDERIC [FR], et al
- [A] EP 0718469 A1 19960626 - UNITED TECHNOLOGIES CORP [US]
- [A] EP 0541250 A1 19930512 - GEN ELECTRIC [US]
- [A] FR 2857419 A1 20050114 - SNECMA MOTEURS [FR]

Cited by
FR2921422A1; FR2938292A1; FR2931869A1; FR3078363A1; FR2974865A1; FR3021066A1; FR3002585A1; US9039351B2; EP3081919A1; US11092012B2; US8727719B2; DE202015101878U1; US9920626B2; WO2010052379A1; WO2009144409A1

Designated contracting state (EPC)
DE ES FR GB IT

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1717415 A1 20061102; EP 1717415 B1 20080611; CA 2544784 A1 20061029; CA 2544784 C 20140128; CN 1854485 A 20061101; CN 1854485 B 20110525; DE 602006001430 D1 20080724; ES 2310887 T3 20090116; FR 2885167 A1 20061103; FR 2885167 B1 20070629; RU 2006114654 A 20071110; RU 2403401 C2 20101110; UA 88281 C2 20091012; US 2007059164 A1 20070315; US 7364402 B2 20080429

DOCDB simple family (application)
EP 06113242 A 20060427; CA 2544784 A 20060425; CN 200610079071 A 20060429; DE 602006001430 T 20060427; ES 06113242 T 20060427; FR 0551124 A 20050429; RU 2006114654 A 20060428; UA A200604788 A 20060428; US 41299506 A 20060428