

Title (en)

Gas turbine rotor blade assembly and corresponding gas turbine

Title (de)

Rotorschaukelbefestigung für eine Gasturbine und entsprechende Gasturbine

Title (fr)

Fixation d'aube de rotor pour une turbine à gaz et turbine à gaz associée

Publication

EP 1757774 A3 20080723 (EN)

Application

EP 06254334 A 20060817

Priority

US 21052005 A 20050824

Abstract (en)

[origin: EP1757774A2] Gas turbine rotor blade assembly (12) and corresponding gas turbine (50) having a plurality of stages and a plurality of blades (58) coupled to each respective stage includes depositing a silicone oxime sealant (150) onto at least a portion of a compressor blade, and coupling the compressor blade to a compressor disk (56) such that the silicone oxime sealant is between the compressor blade and the compressor disk.

IPC 8 full level

F01D 5/30 (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)

F01D 5/3015 (2013.01 - EP US); **F01D 5/3092** (2013.01 - EP US); **F01D 11/006** (2013.01 - EP US)

Citation (search report)

- [Y] US 5873702 A 19990223 - CORLEY THOMAS J [US], et al
- [Y] US 4847396 A 19890711 - BEERS M DALE [US], et al
- [A] US 5139389 A 19920818 - ENG JESSE [US], et al
- [A] DE 2658345 A1 19780629 - MTU MUENCHEN GMBH [DE]
- [Y] HENKEL LOCTITE EUROPE: "Technical Data Sheet: LOCTITE 5920(TM)", HENKEL LOCTITE EUROPE DATASHEETS, November 2004 (2004-11-01), pages 1 - 2, XP007904801, Retrieved from the Internet <URL:http://65.213.72.112/tds5/docs/5920-EN.pdf> [retrieved on 20080526]
- [A] DOW CORNING CORPORATION: "Information about Dow Corning® 3110, 3112, and 3120 RTV Rubbers", DOW CORNING CORPORATION, 1997, Midland, Michigan, USA, pages 1 - 4, XP007904788, Retrieved from the Internet <URL:http://www2.dowcorning.com/datafiles/090007c8800023dd.pdf> [retrieved on 20080526]
- [PA] DOW CORNING CORPORATION: "MATERIAL SAFETY DATA SHEET: Dow Corning (R) 3120 RTV Silicone Rubber", DOW CORNING CORPORATION, 30 October 2007 (2007-10-30), Midland, Michigan, USA, pages 1 - 8, XP007904790, Retrieved from the Internet <URL:http://www2.dowcorning.com/applications/search/default.aspx?R=108EN> [retrieved on 20080526]

Cited by

EP3052812A4; GB2452515B; GB2452515A; WO2015047449A1; WO2014100203A1; US8545183B2; WO2009030606A3

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 RS

DOCDB simple family (publication)

EP 1757774 A2 20070228; EP 1757774 A3 20080723; CN 1920311 A 20070228; CN 1920311 B 20100526; JP 2007056874 A 20070308; US 2007048140 A1 20070301

DOCDB simple family (application)

EP 06254334 A 20060817; CN 200610126208 A 20060824; JP 2006225954 A 20060823; US 21052005 A 20050824