

Title (en)

Connection between rotor disks in a compressor

Title (de)

Verbindung zwischen Schaufelscheiben eines Verdichterrisors

Title (fr)

Liaison entre disques aubagés sur la ligne rotor d'un compresseur

Publication

EP 1496266 B1 20080206 (FR)

Application

EP 04291706 A 20040706

Priority

FR 0308556 A 20030711

Abstract (en)

[origin: EP1496266A1] The disk has a clamp connected to a circular ring placed against a trunnion (30) fixed to a blade disk (D2) by fixation holes. The ring has recesses to bypass the fixation holes of the trunnion or disk (D2), and holes placed opposite to the fixation holes of the trunnion or disk for fixing the ring to trunnion or disk. The trunnion and the disk (D2) have a symmetry of revolution of the rotor. Independent claims are also included for the following: (a) a method for mounting connection between blade disks of a compressor rotor (b) a method for dismounting the connection between blade disks of a compressor rotor.

IPC 8 full level

F01D 5/06 (2006.01); **F04D 29/32** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP US)

F01D 5/066 (2013.01 - EP US); **F04D 29/321** (2013.01 - EP US); **F04D 29/644** (2013.01 - EP US); **F05D 2230/60** (2013.01 - EP US); **Y10T 29/49318** (2015.01 - EP US); **Y10T 29/49321** (2015.01 - EP US); **Y10T 29/49721** (2015.01 - EP US); **Y10T 29/49895** (2015.01 - EP US); **Y10T 29/49948** (2015.01 - EP US)

Cited by

EP1584784A1; FR2931869A1; US9039351B2; WO2009144409A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 1496266 A1 20050112; **EP 1496266 B1 20080206**; CA 2472934 A1 20050111; CA 2472934 C 20111122; DE 602004011643 D1 20080320; DE 602004011643 T2 20090129; ES 2297352 T3 20080501; FR 2857419 A1 20050114; FR 2857419 B1 20050923; JP 2005030398 A 20050203; JP 4146399 B2 20080910; RU 2004121113 A 20060110; RU 2279571 C2 20060710; US 2005025625 A1 20050203; US 7210909 B2 20070501

DOCDB simple family (application)

EP 04291706 A 20040706; CA 2472934 A 20040708; DE 602004011643 T 20040706; ES 04291706 T 20040706; FR 0308556 A 20030711; JP 2004200227 A 20040707; RU 2004121113 A 20040709; US 88511004 A 20040707