

Title (en)

Device for attaching ring sectors around a turbine wheel of a turbomachine

Title (de)

Vorrichtung zur Befestigung von Ringsektoren um ein Turbinenlaufrad einer Strömungsmaschine

Title (fr)

Dispositif de fixation de secteurs d'anneau autour d'une roue de turbine dans une turbomachine

Publication

**EP 1840339 B1 20180103 (FR)**

Application

**EP 07290322 A 20070314**

Priority

FR 0602746 A 20060330

Abstract (en)

[origin: EP1840339A1] The device has a ring sector including a support part (70) at its downstream end and fixed on a frusto-conical wall (32) and on a block of abradable matter of the ring sector. The part is supported against a fixed element of a turbine for preventing disengagement of an upstream flange (44) of the wall of a locking unit (50). An end play (78) between the support part and the fixed element is lower to a longitudinal axis (80) of a flange support of the wall on the locking unit. An independent claim is also included for a ring sector for a turbine of a turbo machine.

IPC 8 full level

**F01D 11/12** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP KR US)

**F01D 11/122** (2013.01 - EP US); **F01D 25/00** (2013.01 - KR); **F01D 25/24** (2013.01 - KR); **F01D 25/246** (2013.01 - EP US); **F05D 2240/11** (2013.01 - EP US)

Cited by

FR3072713A1; EP3196411A3; FR2961556A1; EP2060744A1; EP2060750A1; FR2923526A1; FR2923527A1; EP2896796A1; EP2112329A1; FR2930593A1; US8128352B2; FR2983518A1; EP3591178A1; FR3083563A1; US9957896B2; US11035244B2; US8133013B2; US8277179B2; WO2013083905A1; EP3078814B1; JP2015500424A; EP4028644B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1840339 A1 20071003**; **EP 1840339 B1 20180103**; CA 2582401 A1 20070930; CA 2582401 C 20140128; CN 101046161 A 20071003; CN 101046161 B 20110615; FR 2899274 A1 20071005; FR 2899274 B1 20120817; HK 1107387 A1 20080403; JP 2007270836 A 20071018; JP 4820321 B2 20111124; KR 101369067 B1 20140228; KR 20070098660 A 20071005; RU 2007111675 A 20081010; RU 2403405 C2 20101110; US 2007231127 A1 20071004; US 7789619 B2 20100907

DOCDB simple family (application)

**EP 07290322 A 20070314**; CA 2582401 A 20070328; CN 200710090644 A 20070330; FR 0602746 A 20060330; HK 08101072 A 20080128; JP 2007086701 A 20070329; KR 20070030889 A 20070329; RU 2007111675 A 20070329; US 69174907 A 20070327