

Title (en)

Device for fixing ring sectors on the casing of a jet engine

Title (de)

Vorrichtung zur Befestigung von Ringsektoren an einem Turbinengehäuse einer Strömungsmaschine

Title (fr)

Dispositif de fixation de secteurs d'anneau sur un carter de turbine d'une turbomachine

Publication

EP 1847686 A1 20071024 (FR)

Application

EP 07290301 A 20070308

Priority

FR 0602748 A 20060330

Abstract (en)

The device has cylindrical rims (70) at upstream ends of ring sectors (20) and engaged on a casing rail (50). Each cylindrical rim comprises an annular collar (72) extending radially outward and axially clamped on the casing rail using an annular locking unit (80), which is axially engaged on the casing rail and on the rims of the ring sectors. The locking unit exerts axial force directed, in a downstream direction, toward the annular collars during functioning of a turbomachine. An independent claim is also included for a ring sector for a turbine of a turbomachine.

Abstract (fr)

Dispositif de fixation de secteurs d'anneau (20) sur un carter (16) de turbine dans une turbomachine, comprenant aux extrémités amont des secteurs d'anneau (20) des moyens circonférentiels (70, 72) d'accrochage engagés sur un rail de carter (50) et serrés axialement sur le rail de carter par un organe annulaire de verrouillage (80) à section en C engagé axialement sur le rail de carter et sur les moyens d'accrochage des secteurs d'anneau.

IPC 8 full level

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

CPC (source: EP US)

F01D 11/12 (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US)

Citation (search report)

- [A] US 2005002779 A1 20050106 - TANAKA AGAMU [JP]
- [A] EP 1079076 A2 20010228 - GEN ELECTRIC [US]

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Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1847686 A1 20071024; **EP 1847686 B1 20090617**; CA 2582398 A1 20070930; CA 2582398 C 20140429; CN 101046162 A 20071003; CN 101046162 B 20101006; DE 602007001300 D1 20090730; FR 2899275 A1 20071005; JP 2007270835 A 20071018; JP 4809798 B2 20111109; US 2007231132 A1 20071004; US 7866943 B2 20110111

DOCDB simple family (application)

EP 07290301 A 20070308; CA 2582398 A 20070328; CN 200710090645 A 20070330; DE 602007001300 T 20070308; FR 0602748 A 20060330; JP 2007086700 A 20070329; US 69325807 A 20070329