

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 B1 20090617 (FR)

Application

EP 07290301 A 20070308

Priority

FR 0602748 A 20060330

Abstract (en)

[origin: EP1847686A1] 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.

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)

Cited by

FR3112806A1; EP2696036A1; FR3064022A1; CN110506149A; FR2931195A1; FR3064023A1; FR3109792A1; US11021988B2; US9664065B2; US11111822B2; US8167552B2; WO2018172653A1; WO2018172654A1; WO2021219960A1; EP4143422B1

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