

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 A1 20071003 (FR)

Application

EP 07290322 A 20070314

Priority

FR 0602746 A 20060330

Abstract (en)

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.

Abstract (fr)

Dispositif de fixation de secteurs d'anneau (20) autour d'une roue (18) de turbine dans une turbomachine, chacun des secteurs d'anneau comprenant à son extrémité amont un rebord circonférentiel (44) pouvant être maintenu sur un rail annulaire (48) de carter par un organe annulaire (50) de verrouillage, et à son extrémité aval une pièce (70) pouvant venir en appui axial contre un élément fixe (38) de la turbine pour empêcher le désengagement du rebord amont (44) du secteur d'anneau (20) de l'organe de verrouillage (50) en cas d'usure importante du rail (48).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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