

Title (en)
Turbomachine rotor disc

Title (de)
Rotorscheibe einer Strömungsmaschine

Title (fr)
Disque de rotor d'une turbomachine

Publication
EP 1970538 A1 20080917 (FR)

Application
EP 08152232 A 20080304

Priority
FR 0701906 A 20070316

Abstract (en)
The disc (32) has guide slots (14) for retaining feet of blades, and inter-blade platforms mounted on ribs (16). Metallic liners (30) are mounted between side walls of the slots and the feet of the blades. The liners have a C-shaped section permitting to engage the liners in translation and to radially retain the liners on the ribs. The section constitutes a locking unit for locking the platforms on the ribs, where the platforms include feet fixed on the ribs. The liners are moved in translation on the ribs between a release position and a retained position of the feet of the platforms.

Abstract (fr)
Disque (32) de rotor de turbomachine, comportant des plates-formes (44) inter-aubes fixées sur des nervures (16) délimitées par des alvéoles (14) dans lesquelles sont retenus des pieds d'aubes (20), et des garnitures de protection (30) montées entre les flancs des alvéoles (14) du disque (32) et les pieds des aubes (20), caractérisé en ce que les garnitures de protection (30) ont une section en C permettant de les engager en translation et de les retenir radialement sur les nervures (16) du disque (32) et constituent des moyens de verrouillage des plates-formes (44) sur les nervures (16) du disque (32).

IPC 8 full level
F01D 5/30 (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [X] EP 1085172 A2 20010321 - GEN ELECTRIC [US]
• [X] EP 1306523 A1 20030502 - SNECMA MOTEURS [FR]
• [X] US 3640640 A 19720208 - PALFREYMAN JACK, et al
• [A] FR 2608674 A1 19880624 - SNECMA [FR]
• [A] GB 2064667 A 19810617 - UNITED TECHNOLOGIES CORP

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AL BA MK RS

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EP 08152232 A 20080304; CA 2625317 A 20080312; DE 602008001269 T 20080304; FR 0701906 A 20070316; JP 2008065685 A 20080314; RU 2008109760 A 20080313; US 4872608 A 20080314