

Title (en)

Seal between the blades and the intermediate platforms.

Title (de)

Abdichtung zwischen den Schaufeln und den zwischenliegenden Plattformen.

Title (fr)

Garniture d'étanchéité entre des aubes et des plates-formes intermédiaires.

Publication

EP 0669451 A1 19950830 (FR)

Application

EP 95400353 A 19950221

Priority

FR 9402025 A 19940223

Abstract (en)

The rotor assembly is composed of radial blades (1) encastred in the rotor disc (8). Composite material platforms (2) composed of a central beam (3) and cores (4) on either side are held in place between consecutive blade pairs. The cores have two external flanks (6) directed towards the blades which widen out radially. Substantial longitudinal play (7) exists between the blades and the platforms. Sealing lagging (15) which occupies the play is made from an envelope (16) formed with an internal face (17), carried against the flanks an external supple face (18) directed towards the blade surfaces and a internal radial heel (19). The lagging is formed from a long heavy beading (20) contained in the envelope.

Abstract (fr)

Assemblage pour rotor sur le disque duquel sont disposées alternativement des aubes (1) et des plates-formes (2). Les jeux (7) sont comblés par des garnitures (15) composées d'une enveloppe (16) substantiellement souple et occupée par une baguette (20) qui se déplace vers l'extérieur sous l'action des forces centrifuges pour combler le jeu (7). <IMAGE>

IPC 1-7

F01D 11/00

IPC 8 full level

F01D 11/00 (2006.01)

CPC (source: EP US)

F01D 11/008 (2013.01 - EP US)

Citation (search report)

- [A] GB 1331209 A 19730926 - SECR DEFENCE
- [A] EP 0081416 A1 19830615 - SNECMA [FR]
- [A] US 5277548 A 19940111 - KLEIN HARVEY L [US], et al
- [A] EP 0488874 A1 19920603 - SNECMA [FR]
- [A] WO 9322539 A1 19931111 - ROLLS ROYCE PLC [GB], et al
- [A] FR 2619158 A1 19890210 - GEN ELECTRIC [US]

Cited by

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DE FR GB

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