

Title (en)

Fixing stator elements in a turbomachine casing

Title (de)

Befestigung von Statorelementen in einem Turbomaschinengehäuse

Title (fr)

Attachement des éléments de stator dans le carter d'une turbomachine

Publication

EP 1288444 A1 20030305 (FR)

Application

EP 02292127 A 20020829

Priority

FR 0111232 A 20010830

Abstract (en)

The stator housing (39), comprising a casing with rings (41, 44) attached to its inner surface by hooks (40), has each hook made with two opposite slots (42, 43) to engage with two rings. The hooks are connected to the casing by tenon and mortise joints (47, 48), and the rings are in the form of seal rings alternating with fixed blade rings, fitted to certain hooks in a way that leaves the hooks partially exposed. Some of the hooks are one-sided and support fixed stator blade rings only.

Abstract (fr)

Un carter (39) comprend une enveloppe extérieure (49) munie de crochets (40) de support d'anneaux de stator (41) et d'étanchéité (44) ; les crochets (40) sont discontinus angulairement et joints à l'enveloppe (49) par des assemblages à tenon et mortaise (47, 48). Une seule rangée de crochets (40) peut être prévue par anneau de stator (41). Les crochets et l'enveloppe peuvent ainsi être construits en matières différentes, celle des crochets résistant bien à l'échauffement et l'autre se prêtant mieux à l'usinage et au façonnage. La ventilation, le pilotage des jeux et la protection thermique sont facilités. <IMAGE>

IPC 1-7

F01D 25/24; **F01D 11/24**; **F01D 25/14**

IPC 8 full level

F01D 1/00 (2006.01); **F01D 11/24** (2006.01); **F01D 25/14** (2006.01); **F01D 25/24** (2006.01); **F02C 7/18** (2006.01)

CPC (source: EP US)

F01D 11/24 (2013.01 - EP US); **F01D 25/145** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US)

Citation (search report)

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