

Title (en)

Turbine stator ring held by a turbine casing.

Title (de)

An einem Turbinengehäuse befestigter Statorring.

Title (fr)

Anneau de stator de turbine associé à un support de liaison au carter de turbine.

Publication

EP 0356305 A1 19900228 (FR)

Application

EP 89402256 A 19890810

Priority

FR 8810977 A 19880818

Abstract (en)

[origin: JPH02104903A] PURPOSE: To reduce mass and simultaneously improve heat insulating ability of a casing and a ring support by mounting a turbine stator ring with a ring support independently of the casing. CONSTITUTION: A turbine stator rings 10 comprises sheet metal annular segments 10a, 10b. An upstream end portion 10d of the first segment 10a having an abradable packing 12 in an inner surface is affixed to an inner end portion 10c of the second segment 10b, and a downstream end portion 10e is in contact with an upstream projection face 13a of a stator blade 13. Further, an outer end portion 10f of the second segment 10b co-operates with an inner groove 15b of a ring support 15. Here, the ring support 15 is engaged with an annular hook 14a of a turbine casing 14 at an outer groove 15a. Then, heat insulating layers 16, 18 are interposed between the turbine casing 14 and the first segment 10a via a sheet metal 17.

Abstract (fr)

Un anneau (10) de turbine est constitué d'une virole en tôle formé d'une pluralité de secteurs comprenant chacun deux segments, un premier segment (10a) longitudinal étant en appui par son bord aval (10e) sur un becquet (13a) des aubes fixes (13) du distributeur voisin et un second segment (10b) radial, solidarisé par son extrémité interne (10c) avec l'extrémité amont (10d) du premier segment (10a), coopérant par son extrémité externe (10f) avec un support (15) d'anneau qui présente une section en S et dont la gorge extérieure (15a) coopère avec un crochet (14a) annulaire porté par le carter (14) de turbine.

IPC 1-7

F01D 9/04; **F01D 11/08**; **F01D 25/24**

IPC 8 full level

F01D 11/08 (2006.01); **F01D 9/04** (2006.01); **F01D 11/12** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)

F01D 9/04 (2013.01 - EP US); **F01D 11/12** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F05D 2240/11** (2013.01 - EP US)

Citation (search report)

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