Title (en)

Cooling device for stator ring

Title (de)

Kühlungsvorrichtung für einen Statorring

Title (fr)

Ensemble de ventilation d'un anneau de stator

Publication

EP 1205637 A1 20020515 (FR)

Application

EP 01402865 A 20011108

Priority

FR 0014373 A 20001109

Abstract (en)

The assembly includes branched pipes set around the stator ring (1) and formed by feed pipes (5), distributors (4) and manifolds (3). The manifolds are made from half-shells (7,8) each having an end plate (9) with a rim (10). The half-shells are coupled together through its rims and drilled with air holes. The distributors include coils set between the manifolds. The coils have ends arranged to openings at sides of the end plates. Holes are drilled through the manifolds, to lead air into the branched pipes.

Abstract (fr)

L'ensemble de ventilation, destinée à refroidir un anneau (1) de stator d'une turbomachine, finit sur des rampes de soufflage de gaz (3) composées de demi-coquilles (7 et 8) symétriques jointes par soudage à leurs bordures opposées, et unies par des distributeurs (4) composés pour l'essentiel de bobines cylindriques jouant le rôle d'entretoises placées entre les rampes (3) et soudées à elles. Enfin, les moyens de maintien souple comprenant des règles (6) permettent de compléter l'assemblage des rampes à l'anneau (1). <IMAGE>

IPC 1-7

F01D 11/24; F01D 25/12

IPC 8 full level

F01D 11/08 (2006.01); **F01D 11/24** (2006.01); **F01D 25/12** (2006.01); **F01D 25/24** (2006.01); **F02C 7/18** (2006.01); **F02C 7/28** (2006.01); **F04D 29/54** (2006.01)

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F01D 11/24 (2013.01 - EP US); **F01D 25/12** (2013.01 - EP US); F05B 2230/606 (2013.01 - US); F05D 2230/642 (2013.01 - EP)

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