

Title (en)

Heating or cooling device for carter with a circular section

Title (de)

Heiz- b.z.w. Kühleinrichtung für ein Gehäuse mit kreisförmigem Querschnitt

Title (fr)

Dispositif d'échauffement ou de refroidissement d'un carter circulaire

Publication

EP 0892153 A1 19990120 (FR)

Application

EP 98401801 A 19980717

Priority

FR 9709136 A 19970718

Abstract (en)

The heating or cooling device for adjusting the diameter of a circular casing uses circular arc galleries (7,8,9) through which gas is blown onto ribs on the casing. The galleries each extend over a quarter of the circumference and are extended by a trio of identical chambers (107-109,207-209,307-309) which form a triple ring around the casing and the ribs. The gas distribution network is composed of conduits (17,18,19,20), having an identical total length from a common origin (15), in each of the chambers.

Abstract (fr)

Ce dispositif d'échauffement de refroidissement d'un anneau de carter (1) de turbomachine, afin de régler son diamètre, utilise des rampes (7, 8 et 9) en arc de cercle par lesquelles du gaz est soufflé vers des nervures (6) du carter (1). Selon l'invention, les gaz circulent à contre-courant ou dans des sens alternés pour des rampes voisines afin d'égaliser les conditions de soufflage à chaque point des nervures. <IMAGE>

IPC 1-7

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

IPC 8 full level

F01D 25/10 (2006.01); **F01D 11/24** (2006.01); **F01D 25/08** (2006.01); **F01D 25/12** (2006.01); **F01D 25/24** (2006.01); **F02C 7/18** (2006.01); **F28F 3/12** (2006.01)

CPC (source: EP US)

F01D 11/24 (2013.01 - EP US); **F01D 25/08** (2013.01 - EP US); **F28F 3/12** (2013.01 - EP US); **F05D 2250/141** (2013.01 - EP US)

Citation (search report)

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