

Title (en)

Heating or cooling device for a carter with circular section

Title (de)

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

Title (fr)

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

Publication

EP 0892152 B1 20030709 (FR)

Application

EP 98401800 A 19980717

Priority

FR 9709137 A 19970718

Abstract (en)

[origin: EP0892152A1] The housing is heated or cooled to adjust its diameter and, in particular, the clearances between the ends of rotating blades and itself. The device consists in tube networks (1) extending over matching portions of the housing circumference and made up of a couple of distributors (3) and parallel tubes (2) between these distributors, the tubes (2) being alternately connected to one or the other distributor and provided with orifices blowing gas towards the housing. The countercurrent circulation in the tubes (2) enables to blow on each of the housing generators both gas highly heated by a longer passage in the tubes (2) and cooler gas having travelled a shorter distance in other tubes (2), thereby balancing the heat supply on each housing portion.

IPC 1-7

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

IPC 8 full level

F01D 11/08 (2006.01); **F01D 11/24** (2006.01); **F01D 25/08** (2006.01); **F01D 25/10** (2006.01); **F01D 25/12** (2006.01)

CPC (source: EP KR US)

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

Cited by

FR2965010A1; EP1577502A1; FR2867806A1; US7360987B2; US7309209B2; EP1577501A1; FR2867805A1; EP3284917A1; EP3757353A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0892152 A1 19990120; **EP 0892152 B1 20030709**; CA 2266343 A1 19990128; CN 1199003 C 20050427; CN 1234847 A 19991110; DE 69816190 D1 20030814; DE 69816190 T2 20040527; ES 2205410 T3 20040501; FR 2766232 A1 19990122; FR 2766232 B1 19990820; JP 2001500947 A 20010123; JP 3474206 B2 20031208; KR 100545340 B1 20060124; KR 20000068582 A 20001125; RU 2210674 C2 20030820; UA 46126 C2 20020515; US 6149074 A 20001121; WO 9904142 A1 19990128

DOCDB simple family (application)

EP 98401800 A 19980717; CA 2266343 A 19980717; CN 98801004 A 19980717; DE 69816190 T 19980717; ES 98401800 T 19980717; FR 9709137 A 19970718; FR 9801572 W 19980717; JP 50659799 A 19980717; KR 19997002266 A 19990317; RU 99107657 A 19980717; UA 99041974 A 19980717; US 14782999 A 19990316