

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 B1 20040506 (FR)

Application

EP 98401801 A 19980717

Priority

FR 9709136 A 19970718

Abstract (en)

[origin: EP0892153A1] 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.

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)

Cited by

WO2021209713A1; ITTO20120519A1; CN106382136A; FR2931872A1; EP1577502A1; FR2867806A1; FR2965583A1; FR3109406A1; EP1577501A1; FR2867805A1; CN109906309A; US8662828B2; US7309209B2; WO2013186757A3; WO2009144191A1; WO2013186757A2; US9790810B2; US7360987B2; US11698003B2; EP4136327B1; US11879347B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0892153 A1 19990120; **EP 0892153 B1 20040506**; CA 2243032 A1 19990118; CA 2243032 C 20080122; DE 69823590 D1 20040609; DE 69823590 T2 20050428; FR 2766231 A1 19990122; FR 2766231 B1 19990820; JP 3592533 B2 20041124; JP H1172007 A 19990316; US 6035929 A 20000314

DOCDB simple family (application)

EP 98401801 A 19980717; CA 2243032 A 19980713; DE 69823590 T 19980717; FR 9709136 A 19970718; JP 19892498 A 19980714; US 11552398 A 19980715