

Title (en)

Device to passively control the thermal dilatation of a turbomachine housing

Title (de)

Einrichtung zur passiven Regelung der Wärmedehnung eines Turbomaschinengehäuses

Title (fr)

Dispositif pour piloter passivement la dilatation thermique du carter d'un turboréacteur

Publication

EP 1496207 B1 20061220 (FR)

Application

EP 04291648 A 20040630

Priority

FR 0308584 A 20030711

Abstract (en)

[origin: EP1496207A1] The device has two clamps, where one clamp (24) is fixed to the upstream of the other clamp. A circumferential cavity is arranged between the two clamps, and a flow of gas prevailing at an inlet of a combustion chamber circulates in the cavity. The cavity is formed by a recess (40) arranged in the clamp (24), and the clamps enclose a maintenance clamp of a diffuser cone.

IPC 8 full level

F01D 11/18 (2006.01); **F01D 25/08** (2006.01); **F01D 25/10** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)

F01D 11/18 (2013.01 - EP US); **F01D 25/243** (2013.01 - EP US)

Cited by

EP2938841A4; WO2014105492A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1496207 A1 20050112; **EP 1496207 B1 20061220**; CA 2472939 A1 20050111; CA 2472939 C 20120327; DE 602004003749 D1 20070201; DE 602004003749 T2 20071011; FR 2857409 A1 20050114; FR 2857409 B1 20060728; JP 2005030402 A 20050203; JP 4174039 B2 20081029; RU 2004121114 A 20060110; RU 2343298 C2 20090110; US 2005204746 A1 20050922; US 7185499 B2 20070306

DOCDB simple family (application)

EP 04291648 A 20040630; CA 2472939 A 20040708; DE 602004003749 T 20040630; FR 0308584 A 20030711; JP 2004201650 A 20040708; RU 2004121114 A 20040709; US 88575704 A 20040708