

Title (en)

Turbomachine with cooled shroud segments

Title (de)

Turbomachine mit gekühlten Mantelringsegmenten

Title (fr)

TURBOMACHINE DISPOSANT DE SECTEURS D'ANNEAU REFROIDIS

Publication

**EP 1455055 B1 20081126 (FR)**

Application

**EP 04100854 A 20040303**

Priority

FR 0302783 A 20030306

Abstract (en)

[origin: EP1455055A1] The turbomachine has cooled ring sectors (108) interposed between a turbine casing (102) and a rotor (4). Each sector has a main cooling cavity (162) and is mounted on the casing by a fixing unit (132). The fixing unit has a clamping screw (134) positioned radially and ensuring pressing of the sector against the casing. The screw is traversed by a cooling air passage (174) communicating with the cavity.

IPC 8 full level

**F01D 1/00** (2006.01); **F01D 9/04** (2006.01); **F01D 11/08** (2006.01); **F01D 25/24** (2006.01); **F02C 7/18** (2006.01); **F02C 7/28** (2006.01)

CPC (source: EP US)

**F01D 9/04** (2013.01 - EP US); **F01D 11/08** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US)

Cited by

CH699232A1; FR3015554A1; EP1505259A1; EP2369139A3; FR2931196A1; CN102027199A; FR2931197A1; CN102027200A; RU2493375C2; EP1840339A1; FR2899274A1; US8721277B2; US7789619B2; US9566654B2; US8353663B2; WO2009138444A1; WO2009138443A1

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