

Title (en)
Turbine discs cooling device

Title (de)
Kühleinrichtung für Turbinenscheiben

Title (fr)
Dispositif de refroidissement de disques de turbines

Publication
EP 1450005 B1 20070425 (FR)

Application
EP 04290324 A 20040209

Priority
FR 0301842 A 20030214

Abstract (en)
[origin: EP1450005A1] The device has an upstream (32) and downstream annular plate (34) extending radially from upstream and downstream flanges (36, 38) of a lower platform, respectively. An airtight device (42) extends longitudinally between the plates to seal an annular cavity. Bolded links (83) maintain the upstream and downstream plates against the respective flanges. Holes (70) inject cooling air towards a turbine disc.

IPC 8 full level
F01D 5/08 (2006.01); **F02C 1/00** (2006.01); **F01D 11/02** (2006.01); **F02C 7/18** (2006.01); **F16J 15/447** (2006.01)

CPC (source: EP US)
F01D 5/082 (2013.01 - EP US)

Cited by
FR3115562A1; EP3150798A1; FR3030614A1; CN107109956A; RU2705319C2; US10605085B2; US10280776B2; EP2098686A3; FR2995021A1; GB2520212A; GB2520212B; FR3087839A1; WO2014037664A1; WO2016097632A1; EP2098686A2; US9920690B2

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