

Title (en)

Hollow rotor blade for the turbine of a gas turbine engine, provided with a tip cup

Title (de)

Hohle Laufschaufel für die Turbine eines Gasturbinentriebwerks, mit einem Hohlraum

Title (fr)

Aube creuse de rotor pour la turbine d'un moteur à turbine à gaz, équipée d'une baignoire

Publication

**EP 1726783 B1 20080716 (FR)**

Application

**EP 06113886 A 20060512**

Priority

FR 0504811 A 20050513

Abstract (en)

[origin: EP1726783A1] The blade has a cavity defined by an end wall and a rim that extends between leading and trailing edges along a suction side wall. Cooling channels (32) connecting an internal cooling passage and an outside face of a pressure side wall are inclined relative to the pressure wall. The pressure wall presents a projecting end portion whose outside face is inclined relative to the outside face of the pressure wall. A tip of the end portion lies in an outside face (26b) of the end wall such that the channels open out into the pressure wall in front of the cavity.

IPC 8 full level

**F01D 5/20** (2006.01)

CPC (source: EP US)

**F01D 5/20** (2013.01 - EP US)

Cited by

EP2434097A1; GB2461502A; GB2461502B; EP2141327A3; US9816389B2; US9856739B2; US8777567B2; US8206108B2; EP2863015A1; FR3043715A1; GB2560124A; EP3546702A1; GB2560124B; US10787932B2; US11333042B2; US9879544B2; US10753215B2; US8277171B2; WO2013072610A1; WO2017085387A1; WO2019185526A1

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**EP 1726783 A1 20061129; EP 1726783 B1 20080716**; CN 1861988 A 20061115; CN 1861988 B 20101006; DE 602006001785 D1 20080828; FR 2885645 A1 20061117; US 2006257257 A1 20061116; US 7351035 B2 20080401

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