

Title (en)

BLADE FOR GAS TURBINE, CORRESPONDING ROTOR, GAS TURBINE AND ENGINE

Title (de)

LAUFSCHAUFEL FÜR EINE GASTURBINE, ZUGEHÖRIGER ROTOR, GASTURBINE UND KRAFTWERKSANLAGE

Title (fr)

AUBE ROTORIQUE DE TURBINE À GAZ, ROTOR, TURBINE À GAZ ET MOTEUR ASSOCIÉS

Publication

EP 3088673 B1 20171101 (DE)

Application

EP 15165406 A 20150428

Priority

EP 15165406 A 20150428

Abstract (en)

[origin: US2016319675A1] A rotor blade for a gas turbine has a pressure-side wall and a suction-side wall, a tip cap, a cavity which is formed by the inner surface of the pressure-side wall, the suction-side wall and the tip cap, and a squealer which extends radially from the pressure-side and suction-side walls, a half-space formed by the outer surface of the tip cap and the squealer, and a cooling channel which leads from the cavity to the outside of the squealer. The tip cap has a recess which extends from the half-space into the tip cap such that the recess divides the cooling channel into a first part that communicates with the cavity and a second part that communicates with the outside space.

IPC 8 full level

F01D 5/20 (2006.01)

CPC (source: CN EP US)

F01D 5/147 (2013.01 - CN); **F01D 5/186** (2013.01 - CN); **F01D 5/187** (2013.01 - US); **F01D 5/20** (2013.01 - EP US); **F05D 2220/32** (2013.01 - US); **F05D 2240/307** (2013.01 - US); **F05D 2260/20** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3088673 A1 20161102; **EP 3088673 B1 20171101**; CN 106089315 A 20161109; CN 106089315 B 20180831; JP 2016211556 A 20161215; JP 6224161 B2 20171101; US 2016319675 A1 20161103

DOCDB simple family (application)

EP 15165406 A 20150428; CN 201610269552 A 20160427; JP 2016088923 A 20160427; US 201615135727 A 20160422