

Title (en)

Turbine rotor blade

Title (de)

Turbinenlaufschaufel

Title (fr)

Aube de rotor de turbine

Publication

**EP 2666968 B1 20210818 (EN)**

Application

**EP 13168655 A 20130522**

Priority

US 201213479693 A 20120524

Abstract (en)

[origin: EP2666968A1] A turbine rotor blade 115 for a gas turbine engine is described. The turbine rotor blade 115 includes an airfoil that includes a tip 137 at an outer radial end. The tip 137 includes a rail 150 that defines a tip cavity 155; and the rail 150 includes a circumscribing rail microchannel 166. The circumscribing rail microchannel 166 is a microchannel that extends around at least a majority of the length of the inner rail surface 157.

IPC 8 full level

**F01D 5/20** (2006.01)

CPC (source: EP)

**F01D 5/20** (2013.01); **F05D 2260/204** (2013.01)

Cited by

EP3068975A4; EP2944764A1; EP3138997A1; JP2017048789A; US11655717B2; US10436039B2; US11118462B2; US10801334B2; US11371359B2; EP3575555A1; US2019338650A1; US10012089B2; US10633981B2; US11156101B2; US11661853B2

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 2666968 A1 20131127; EP 2666968 B1 20210818**

DOCDB simple family (application)

**EP 13168655 A 20130522**