

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

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