

Title (en)

Hollow turbine blade of a gas turbine engine

Title (de)

Hohle Rotorschaukel eines Gasturbinenriebwerks

Title (fr)

Aube creuse de rotor pour la turbine d'un moteur à turbine à gaz

Publication

EP 1505258 B1 20080102 (FR)

Application

EP 04291990 A 20040804

Priority

FR 0309688 A 20030806

Abstract (en)

[origin: EP1505258A1] The blade has an edge (28) forming a thin wall and material reinforcement (34) located between the edge and a base wall of a cavity (30) along a part of a concave side wall (16). The edge is enlarged at its base adjacent to the base wall such that cooling channels (32) emerge near the top (28a) of the edge without altering mechanical resistance of a free end (14) of the blade.

IPC 8 full level

F01D 5/18 (2006.01); **F01D 5/20** (2006.01)

CPC (source: EP US)

F01D 5/20 (2013.01 - EP US); **F05D 2260/202** (2013.01 - EP US)

Cited by

CN103958834A; US9828859B2; WO2013072610A1

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EP 1505258 A1 20050209; EP 1505258 B1 20080102; CA 2478746 A1 20050206; CA 2478746 C 20121009; DE 602004010965 D1 20080214; DE 602004010965 T2 20090102; ES 2297354 T3 20080501; FR 2858650 A1 20050211; FR 2858650 B1 20070518; JP 2005054799 A 20050303; JP 4184323 B2 20081119; RU 2004123964 A 20060127; RU 2345226 C2 20090127; UA 82059 C2 20080311; US 2005063824 A1 20050324; US 2010254823 A1 20101007; US 7192250 B2 20070320; US 7927072 B2 20110419

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EP 04291990 A 20040804; CA 2478746 A 20040802; DE 602004010965 T 20040804; ES 04291990 T 20040804; FR 0309688 A 20030806; JP 2004227531 A 20040804; RU 2004123964 A 20040805; UA 20040806522 A 20040804; US 62539507 A 20070122; US 90936004 A 20040803