

Title (en)

Blade for a turbine

Title (de)

Schaufel einer Turbine

Title (fr)

Aube pour turbine

Publication

EP 1512489 B1 20061220 (DE)

Application

EP 03020211 A 20030905

Priority

EP 03020211 A 20030905

Abstract (en)

[origin: EP1512489A1] A gas turbine engine has a series of turbine blades (31) consisting of a root (33) linked by the main body of the blade (35) to the tip (37). The blade has a leading edge (39) and a trailing edge (41). The trailing edge near-root zone incorporates a series of thermal-stress relief slits (51) that are at right angles to the trailing edge. Each slit terminates in a rounded pocket (53).

IPC 8 full level

B23P 6/00 (2006.01); **F01D 5/14** (2006.01); **F01D 5/18** (2006.01)

CPC (source: EP US)

F01D 5/143 (2013.01 - EP US); **F01D 5/147** (2013.01 - EP US)

Cited by

EP1757773A1; EP1712782A3; JP2016539273A; CN114227180A; DE102019103640A1; DE102015207760A1; CN106795770A; US7845905B2; WO2018215519A1; WO2020165357A1; JP2007064219A

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EP 03020211 A 20030905; DE 50306044 T 20030905; US 93108904 A 20040831