

Title (en)

Fluted tip turbine blade

Title (de)

Turbineschaufel mit kannelierter Spitze

Title (fr)

Aube de turbine avec une extrémité cannelée

Publication

EP 1764477 B1 20080702 (EN)

Application

EP 05255625 A 20050914

Priority

EP 05255625 A 20050914

Abstract (en)

[origin: EP1764477A1] A turbine blade (10) includes an airfoil (12) having pressure and suction sidewalls (24,26) extending between leading and trailing edges (38,30) and root (32) and tip (34). The tip (34) includes squealer ribs (36,38) extending from a tip floor (40) forming an open tip cavity (42). The rib (36) along the pressure sidewall (24) has a squared external corner, and a flute (44) extends along the base of the rib at the tip floor.

IPC 8 full level

F01D 5/20 (2006.01)

CPC (source: EP)

F01D 5/20 (2013.01)

Cited by

US8092178B2; US10436040B2; US10436039B2; EP4039941A1; EP4234885A2

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