

Title (en)

Cast turbine stator vane having a hook support

Title (de)

Gegossene Turbinenleitschaufel mit Hakensockel

Title (fr)

Aube statorique de turbine coulée ayant un crochet de fixation

Publication

EP 1331361 B1 20100512 (DE)

Application

EP 02001265 A 20020117

Priority

EP 02001265 A 20020117

Abstract (en)

[origin: EP1331361A1] Turbine blade (1) comprises a profiled blade (2) extending along a blade axis (4) and on which is molded in an end region a platform (6) extending perpendicular to the blade axis. The platform has an outer edge (14) which is thicker than the platform base (12). The side wall (16) of the outer edge facing toward the blade axis is angled. A hook base (8) is molded over the platform on the end region of the blade. An Independent claim is also included for a casting system for producing the above turbine blade. Preferred Features: The outer edge of the platform is provided in its base region with a number of cooling bores (20) opening on the outlet side into a common cooling gap (22).

IPC 8 full level

F01D 5/18 (2006.01); **F01D 9/02** (2006.01); **B22C 7/02** (2006.01); **B22C 9/04** (2006.01); **B22C 9/22** (2006.01); **B22C 9/24** (2006.01); **F01D 9/04** (2006.01); **F02C 7/00** (2006.01)

CPC (source: EP US)

B22C 9/22 (2013.01 - EP US); **F01D 5/18** (2013.01 - EP US); **F01D 9/04** (2013.01 - EP US); **F05D 2230/21** (2013.01 - EP US); **F05D 2240/81** (2013.01 - EP US); **Y10S 415/915** (2013.01 - EP US); **Y10T 29/49336** (2015.01 - EP US)

Cited by

US7628587B2; CN113560544A; EP1759089B1

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