

Title (en)

Cooled turbine blade and method of adjusting the coolant flow

Title (de)

Gekühlte Turbinenschaufel sowie Verfahren zur Einstellung des Durchflussvolumens eines Kühlmediums

Title (fr)

Aube de turbine refroidie et procédé de réglage du débit de réfrigérant

Publication

EP 1653046 A1 20060503 (DE)

Application

EP 04025415 A 20041026

Priority

EP 04025415 A 20041026

Abstract (en)

The blade has a rod-shaped unit (37) that abuts above a chamber height to an interior (59) of end walls (27) to adjust flow of discharging coolant (33). The unit has section (45) with the shape of a segment of a circle, and forms an adjustable conduit with an interior (57) of end walls (25) to adjust the flow of the coolant. The unit is modifiable by rotation in a shortest distance between the section and the interior (57). Independent claims are also included for the following: (A) gas turbine (B) a method for manufacturing a casted turbine blade.

IPC 8 full level

F01D 5/18 (2006.01)

CPC (source: EP)

F01D 5/188 (2013.01); **F05D 2230/21** (2013.01); **F05D 2250/141** (2013.01); **F05D 2250/231** (2013.01); **F05D 2250/411** (2013.01)

Citation (search report)

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- [A] EP 0757160 A2 19970205 - UNITED TECHNOLOGIES CORP [US]

Cited by

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Designated contracting state (EPC)

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