

Title (en)
COOLING SYSTEM FOR TURBINE BLADES AND DISCS

Publication
EP 0043300 B1 19840516 (FR)

Application
EP 81400931 A 19810612

Priority
FR 8014498 A 19800630

Abstract (en)
[origin: EP0043300A2] 1. Improvement in systems of ventilation of blades and discs of a turbine, each blade comprising a root (3) engaged in one of the axial grooves (2) provided in the periphery of the disc, a platform (5) at the radial end of the extension of the root (3) and a profiled part (6) extending radially from the platform (5), a passage (9) being provided between the base of the groove (2) and the internal face (3a) of the root and the axial locking of the blade towards the front being effected by a flange (13) mounted on the disc and against which a part of the blade abuts, characterized in this that the root (3) of the blade (4) has at its lower front part a lug or protrusion (7) which includes an opening (8) for the flow of cooling air to the said passage (9), the said lug (7) providing axial rearwards locking by abutting against the upstream face (1a) of the turbine disc.

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F01D 5/18; **F01D 5/30**

IPC 8 full level
F01D 5/18 (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP)
F01D 5/081 (2013.01); **F01D 5/18** (2013.01); **F01D 5/3007** (2013.01)

Cited by
US5759012A; EP0709547A1; EP2896786A1; US8622702B1; CN112196628A; EP0649975A1; FR2969209A1; DE3835932A1; EP1094199A1; FR3095234A1; EP3556996A1; US6416282B1; EP3680451A1; FR3091722A1; CN111434892A; WO2010088881A1; US8870542B2; US9777575B2; US11261745B2

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