

Title (en)
Blade for an axial-flow turbine

Title (de)
Schaufel einer Axialstromturbine

Title (fr)
Aube d' une turbine à écoulement axial

Publication
EP 1925780 A1 20080528 (EN)

Application
EP 06024322 A 20061123

Priority
EP 06024322 A 20061123

Abstract (en)
A blade for an axial-flow turbine comprises a cooling passage (6, 7, 19, 21) formed inside the blade (1) to direct a cooling medium along and beneath at least one of the suction side surface (4) of the blade (1) and the pressure side surface (3) of the blade (1) such that a core (8) of the blade (1) defined by being jacketed by the cooling passage (6, 7, 19, 21) is thermally isolated towards the blade surface (2,4).

IPC 8 full level
F01D 5/18 (2006.01)

CPC (source: EP)
F01D 5/187 (2013.01); **F05D 2220/31** (2013.01); **F05D 2250/25** (2013.01); **F05D 2250/314** (2013.01)

Citation (applicant)

- FR 2150474 A1 19730406 - CABOT CORP
- EP 1277918 A1 20030122 - FIATAVIO SPA [IT]
- US 2823829 A 19580218 - FRATER MILTON A
- WO 2005083235 A1 20050909 - SIEMENS IND TURBOMACHINERY A B [SE], et al
- GB 2094895 A 19820922 - MTU MUENCHEN GMBH [DE]

Citation (search report)

- [X] FR 2150475 A1 19730406 - ROLLS ROYCE
- [X] EP 1277918 A1 20030122 - FIATAVIO SPA [IT]
- [XY] US 2823892 A 19580218 - DIMITRIUS GERDAN, et al
- [Y] WO 2005083235 A1 20050909 - SIEMENS IND TURBOMACHINERY A B [SE], et al
- [X] GB 2094895 A 19820922 - MTU MUENCHEN GMBH [DE]

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CN112832875A; CN102753787A; FR3065985A1; CN114412577A; JP2018115601A; CN109026173A; WO2013077761A1; US9366143B2; US8920111B2; WO2011050025A3

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Designated extension state (EPC)
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