

Title (en)

Method for preparing turbine blades for spray coating and device for holding such blades

Title (de)

Verfahren zur Vorbereitung von Turbinenschaufeln für die Sprühbeschichtung sowie Halterung zur Fixierung einer solchen Turbinenschaufel

Title (fr)

Procédé pour préparer des aubes de turbine en vue de leur revêtement par pulvérisation et support pour fixer de telles aubes

Publication

**EP 1762303 A1 20070314 (DE)**

Application

**EP 05019698 A 20050909**

Priority

EP 05019698 A 20050909

Abstract (en)

Process for pre-treatment of turbine blades (5) prior to spray coating in use by a streaming medium of the admitted blade region (8) in a spray coating unit. The blade base (6) is set in a hollow space (4) of a holding unit (1) so that it projects from the hollow space hole forming a gap between the hollow space periphery (3) and the turbine blade, where the gap is bridged over by screens (9-11) fixed to the holding unit. Each screen has a spray resistant synthetic plastic coating, especially in PTFE, placed so that it extends to the boundary between the blade base (6) and blade region (8). Independent claims are included for: a turbine blade holding unit #a spray coating device.

IPC 8 full level

**B05B 15/04** (2006.01); **B05B 12/20** (2018.01); **C23C 4/00** (2006.01)

CPC (source: EP US)

**B05B 12/20** (2018.01 - EP US); **C23C 4/01** (2016.01 - EP US)

Citation (applicant)

DE 69815644 T2 20040325 - UNITED TECHNOLOGIES CORP [US]

Citation (search report)

- [X] US 5665217 A 19970909 - GRUVER GARY A [US], et al
- [X] EP 1388592 A1 20040211 - METAPLAS IONON GMBH [DE]
- [A] US 6485655 B1 20021126 - DAS NRIPENDRA NATH [US], et al
- [A] US 4271005 A 19810602 - WRIGHT ROBERT J, et al
- [A] EP 1537950 A1 20050608 - SNECMA MOTEURS [FR]

Cited by

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 05019698 A 20050909**; US 51855406 A 20060908