

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 B1 20121017 (DE)

Application

EP 05019698 A 20050909

Priority

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Abstract (en)

[origin: EP1762303A1] 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)

Cited by

EP2181775A1; DE102018217280A1; CN106493642A; EP3877094A4; EP2309016A1; CN102031476A; EP1980366A1; DE102013224568A1; EP2596871A3; EP2055800A1; US9694568B2; US11970290B2; WO2009143817A1; WO2019057455A1; EP2915590A1; DE102014204117A1

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