

Title (en)

Shrouded turbine blade with cooling air outlet port on the blade tip and corresponding manufacturing method

Title (de)

Turbinenschaufel mit Deckband und Kühlluftauslassöffnung an der Schaufelspitze und zugehöriges Herstellungsverfahren

Title (fr)

Aube de turbine caréné dotée d'un port de sortie d'air de refroidissement en bout d'aube et procédé associé de fabrication

Publication

EP 2607629 A1 20130626 (EN)

Application

EP 11195390 A 20111222

Priority

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Abstract (en)

The present invention relates to a turbine blade (1) for an axial turbo-machine having a blade body (10), extending in a radial direction (11) between a blade root (12) and a blade tip (13), wherein the blade body (10) is provided with at least one inner passage (15) for a cooling medium and at least one outlet port (16) to exhaust the cooling medium from the inner passage (15) to the outer side of the blade tip (13). According to the invention, the outlet port (16) comprises a port axis (17), which is inclined to the radial direction (11).

IPC 8 full level

F01D 5/22 (2006.01)

CPC (source: EP)

F01D 5/225 (2013.01)

Citation (applicant)

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