

Title (en)

METHOD FOR COATING A TURBOMACHINE GUIDE VANE AND ASSOCIATED GUIDE VANE

Title (de)

VERFAHREN ZUM BESCHICHTEN EINER LEITSCHAUFEL EINER TURBOMASCHINE UND ZUGEHÖRIGE LEITSCHAUFEL

Title (fr)

PROCÉDÉ DE REVÊTEMENT D'UNE AUBE DE REDRESSEUR DE TURBOMACHINE, AUBE DE REDRESSEUR ASSOCIÉE

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Application

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Abstract (en)

[origin: WO2020254764A1] One aspect of the invention relates to a method (200) for coating a vane (100) of a guide vanes assembly (30) of a turbomachine (1), the vane comprising a root (103) and a tip (104), an extrados face (105) and an intrados face (106) which are connected to one another by a leading edge (101) and a trailing edge (102), the coating method (200) comprising the following steps: - completely covering (201) one of the faces (105, 106) of the vane (100) with a polymer coating (107) of thickness (e1) and provided with grooves (108), - removing (203) the grooves (108) from part of the polymer coating (107) so that the polymer coating (107) comprises a grooved zone (109) and an ungrooved zone (110), - coating (205) the grooved zone (110) with a coat of paint (111) of thickness (e3) so that the thickness of the coat of paint (111) superposed with the grooved zone (110) is substantially equal to the thickness (e1) of the grooved zone (109).

IPC 8 full level

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