

Title (en)

Run-in coating of a gas turbine and method for fabricating such a coating

Title (de)

Einlaufbelag für Gasturbinen und Verfahren zur Herstellung dieses Einlaufbelags

Title (fr)

Revêtement de turbine à gaz et procédé de fabrication d'un tel revêtement

Publication

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Application

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Abstract (en)

[origin: WO2005014979A1] The invention relates to a run-in coating for gas turbines. The coating seals a radial gap between the gas turbine housing (11) and rotating impeller blades (10) of said turbine, said run-in coating (13) being applied to the housing. According to the invention, the run-in coating (13) is composed of an intermetallic titanium-aluminium material and can have a scaled or graduated material composition and/or porosity. Methods for producing said run-in coating include e.g. slip casting, physical vapour deposition (PVD) and chemical vapour deposition (CVD).

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