

Title (en)
Coated turbine components

Title (de)
Turbinenkomponente mit einer Beschichtung

Title (fr)
Composants de turbines dotés d'un revêtement

Publication
EP 2186926 A1 20100519 (DE)

Application
EP 08020081 A 20081118

Priority
EP 08020081 A 20081118

Abstract (en)
The turbine component such as gas and/or steam turbine component (10) comprises a coating (12), which is configured as aluminum- and/or silicon-containing suspension, whose aluminum- and/or silicon particles (14) have a diameter of maximum 1 μ m. The coating is formed with a layer thickness of more than 10 μ m, and has a surface roughness (R_a) of smaller than 2 μ m without post-treatment. A basic material (16) of the turbine component is a ferritic heat-resistant material and/or an austenitic heat-resistant material. An independent claim is included for a method for coating a turbine component.

Abstract (de)
Bei einer Turbinenkomponente (10) wird eine Beschichtung (12), die als eine aluminium- und/oder siliziumhaltige Suspension gestaltet ist, mit Aluminium- und oder Siliziumpartikel (14) geschaffen, deren Durchmesser kleiner als 10 μ m ist.

IPC 8 full level
C23C 24/08 (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP)
C23C 24/082 (2013.01); **C23C 24/087** (2013.01); **F01D 5/288** (2013.01)

Citation (search report)
• [X] WO 2004033116 A1 20040422 - COATINGS FOR IND [US], et al
• [X] EP 1091021 A1 20010411 - GEN ELECTRIC [US]
• [X] EP 1801353 A2 20070627 - GEN ELECTRIC [US]
• [A] EP 1079002 A1 20010228 - GEN ELECTRIC [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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