

Title (en)
PROTECTIVE COATING FOR TUBING BLADES

Title (de)
SCHUTZSCHICHT FÜR TURBINENSCHAUFEL

Title (fr)
COUCHE DE PROTECTION POUR AUBE DE TURBINE

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Application
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Abstract (en)
[origin: WO9734076A1] The invention relates to a turbine blade with a corrosion-resistant protective coating of MCrAlY. The aim of the invention is to provide a turbine blade on which the top coating is not subject to spallation. This aim is attained in that the surface layer of the protective MCrAlY coating consists, to a depth of 5 - 50 μ m, of a single-phase alloy in a large area spread evenly over the entire surface layer, where the single-phase alloy is obtained by remelting with a pulsed electron beam.

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