

Title (en)
TURBOMACHINE BLADE WITH EROSION AND CORROSION PROTECTIVE COATING AND METHOD OF MANUFACTURING THE SAME

Title (de)
TURBOMASCHINENSCHAUFEL MIT EROSIONS- UND KORROSIONSSCHUTZBESCHICHTUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
PALE DE TURBOMACHINE AVEC REVÊTEMENT DE PROTECTION CONTRE L'ÉROSION ET LA CORROSION, ET PROCÉDÉ DE FABRICATION DE CETTE DERNIÈRE

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Application
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Abstract (en)
[origin: WO2008116757A2] A turbomachine blade (1) comprises a blade body (2) and a corrosion and erosion protective multilayered coating (1 1) bonded thereto, the multilayered coating (1 1) comprising an erosion resistant first layer (3) at least covering a corrosion and erosion critical area (5) of the blade body (2) and a sacrificial second layer (4) provided over the first layer (3) at least covering the first layer (3), preferably covering the blade totally. A method of manufacturing such a turbomachine blade comprises the steps of providing a blade and depositing the erosion resistant first layer on the blade body so as to cover at least the corrosion and erosion critical area, followed by depositing the sacrificial second layer over the first layer at least covering the first layer.

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