

Title (en)

ANTI-WEAR COATING AND COMPONENT COMPRISING AN ANTI-WEAR COATING

Title (de)

VERSCHLEISSSCHUTZBESCHICHTUNG UND BAUTEIL MIT EINER VERSCHLEISSSCHUTZBESCHICHTUNG

Title (fr)

COUCHE ANTI-USURE ET COMPOSANT COMPRENANT UNE COUCHE ANTI-USURE

Publication

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Application

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Abstract (en)

[origin: CA2690626A1] The invention relates to an anti-wear coating, in particular an anti-erosion coating, which is applied to a surface of a component that is stressed under fluid technology and is to be protected, in particular a gas turbine part, wherein the anti-wear coating comprises one or more multilayer systems applied in a repeating order to the surface to be coated, and the/each multilayer system comprises at least one relatively soft metallic layer and at least one relatively hard ceramic layer. According to the invention, all the layers of the/each multilayer system are based on chromium, and a diffusion barrier layer is applied between the surface to be protected and the multilayer system(s).

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