

Title (en)

A COATING, AND A COATING METHOD, FOR A STEAM TURBINE AND ADJOINING STEEL SURFACES.

Title (de)

BESCHICHTUNG UND BESCHICHTUNGSVERFAHREN FÜR DAMPFTURBINEN UND BENACHBARTE STAHLÖBERFLÄCHEN.

Title (fr)

REVETEMENT, PROCEDE DE REVETEMENT POUR TURBINE A VAPEUR ET SURFACES D'ACIER CONTIGUES.

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Application

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Abstract (en)

[origin: WO9204480A1] The present invention relates to the protection of the casing, division planes, piping, superheaters and other steel parts of a steam turbine which are subjected in a turbine plant to some corrosive and erosive wear caused by steam, the coating comprising a coating layer produced by the thermal spraying of a steel, alloyed amply with chromium and aluminum, which during the coating process oxidizes strongly in the spray, whereby large amounts of chromium and aluminum oxides are formed, which will remain inside the coating, surrounded by a steel matrix, and after the coating process there will form on the surface of the coating layer, under the oxidizing action of air, a dense chromium and aluminum oxide layer. Another object of the invention is a related coating method.

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