

Title (en)

METHOD FOR PRODUCING A SLIP LAYER WHICH IS RESISTANT TO CORROSION AND OXIDATION

Title (de)

VERFAHREN ZUM HERSTELLEN EINER KORROSIONS- UND OXIDATIONSBESTÄNDIGEN SCHLICKERSCHICHT

Title (fr)

PROCEDE POUR PRODUIRE UNE COUCHE DE BARBOTINE RESISTANT A LA CORROSION ET A L'OXYDATION

Publication

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Application

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Abstract (en)

[origin: WO9942633A1] The invention relates to a method for producing a slip layer which is resistant to corrosion and oxidation comprising the following steps: a) producing a slip material by mixing a binding agent solution with a starting powder containing Al or Cr and with an addition powder containing at least one element from Al, Pt, Pd or Si, whereby the addition powder does not contain Al when using a starting powder that is exclusively comprised of Al; b) depositing the slip material on a component; c) hardening the slip layer at temperatures ranging from room temperature to 450 DEG C, and d) heat treating in order to inwardly diffuse the slip layer into the component at temperatures ranging from 750 DEG C to 1250 DEG C.

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