

Title (en)  
TREATMENT SOLUTION CONTAINING CHROMIUM(III) FOR A METHOD FOR PRODUCING AN ANTI-CORROSION COATING LAYER, CONCENTRATE OF SUCH A TREATMENT SOLUTION, AND METHOD FOR PRODUCING AN ANTI-CORROSION COATING LAYER

Title (de)  
CHROM (III)-ENTHALTENDEN BEHANDLUNGSLÖSUNG FÜR EIN VERFAHREN ZUM ERZEUGEN EINER KORROSIONSSCHÜTZENDEN ÜBERZUGSSCHICHT, KONZENTRAT EINER SOLCHEN BEHANDLUNGSLÖSUNG UND VERFAHREN ZUM ERZEUGEN EINER KORROSIONSSCHÜTZENDEN ÜBERZUGSSCHICHT

Title (fr)  
SOLUTION DE TRAITEMENT CONTENANT DU CHROME (III) POUR UN PROCÉDÉ DE PRODUCTION D'UNE COUCHE DE REVÊTEMENT DE PROTECTION ANTICORROSION, CONCENTRÉ D'UNE TELLE SOLUTION DE TRAITEMENT ET PROCÉDÉ DE PRODUCTION D'UNE COUCHE DE REVÊTEMENT DE PROTECTION ANTICORROSION

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Abstract (en)  
[origin: WO2015036124A1] The invention relates to a treatment solution for a method for producing an anti-corrosion coating layer on a metal surface, wherein the surface to be treated is brought in contact with a treatment solution, which contains a chromium(III) ion source, a phosphate source, a zinc ion source, and a citrate source, wherein the amount-of-substance ratio of chromium(III) ions to zinc ions is 1 to at least 1.65 and the amount-of-substance ratio of chromium(III) ions to citrate is 1 to at least 1.4 and the treatment solution is substantially free of polymers that can be obtained by reacting one or more alkoxysilanes of the formula:  $R_4-xSi(OR_1)_x$ , wherein the groups R are the same or different from each other and each represent a substituted or unsubstituted hydrocarbon group having 1 to 22 hydrocarbon atoms, x is equal to 1, 2, or 3, and R1 stands for a substituted or unsubstituted hydrocarbon group having 1 to 8 hydrocarbon atoms, and one or more alkoxides of the formula:  $Me(OR_2)_n$ , wherein Me stands for Ti, Zr, Hf, Al, Si and n stands for the oxidation number of Me and R2 represents a substituted or unsubstituted hydrocarbon group having 1 to 8 hydrocarbon atoms.

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