

Title (en)
RESOURCE-SAVING METHOD FOR ACTIVATING A METAL SURFACE PRIOR TO A PHOSPHATIZATION PROCESS

Title (de)
RESSOURCENSCHONENDES VERFAHREN ZUR AKTIVIERUNG EINER METALLOBERFLÄCHE VOR EINER PHOSPHATIERUNG

Title (fr)
PROCÉDÉ D'ÉCONOMIE DE RESSOURCES POUR ACTIVER UNE SURFACE MÉTALLIQUE AVANT UN PROCESSUS DE PHOSPHATATION

Publication
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Application
EP 20807401 A 20201119

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Abstract (en)
[origin: WO2021104973A1] The invention relates to a method for phosphatizing metal surfaces in a layer-forming manner using a colloidal aqueous solution as an activation stage, containing a dispersed particulate constituent, wherein in addition to dispersed inorganic compounds of phosphates of polyvalent metal cations, the particulate constituent contains polymeric organic compounds as dispersants, which are composed at least partly of styrene and/or an α -olefin with no more than 5 carbon atoms and at least partly of maleic acid and/or the anhydride and/or the imide thereof, and the polymeric organic compounds additionally comprise polyoxyalkylene units. In the activation stage of the method according to the invention, the addition of condensed phosphates can be omitted such that the content of dissolved condensed phosphates in the colloidal aqueous solution is less than 0.25 based the phosphate content in the particulate constituent of the solution, in each case with respect to the element P.

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