

Title (en)

PASSIVATING MEANS, SURFACE TREATMENT MEANS, SURFACE TREATMENT SPRAY MEANS AND METHOD FOR TREATING METALLIC SURFACES OF WORK PIECES OR CAST MOLDS

Title (de)

PASSIVIERMITTEL, OBERFLÄCHENBEHANDLUNGSMITTEL, OBERFLÄCHENBEHANDLUNGSSPRÜHMITTEL SOWIE VERFAHREN ZUM BEHANDELN VON METALLISCHEN OBERFLÄCHEN VON WERKSTÜCKEN ODER GUSSFORMEN

Title (fr)

AGENTS DE PASSIVATION, AGENTS DE TRAITEMENT DE SURFACES, AGENTS DE PULVÉRISATION POUR TRAITEMENT DE SURFACES, ET PROCÉDÉ DE TRAITEMENT DE SURFACES MÉTALLIQUES DE PIÈCES OU DE MOULES DE COULÉE

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Application

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Abstract (en)

[origin: WO2009092817A1] Passivating through phosphating is a known process. Previously, it has been common to perform various cleaning steps during surface treatment of cast molds or work pieces. According to the invention, it is proposed to add to the passivating means, which is composed of an aqueous phosphate solution with metal ions, an additional gelatin. Also, surface treatment means and surface treatment spray means are proposed which comprise such a passivating means as well as non-ionic surfactants, lactic acid and a citric acid monohydrate, and optionally a thickener. This allows preceding cleaning steps to be foregone. Also a corresponding method is proposed in which the surface treatment means are used. The proposed means and method reduce the energy consumption and facilitate an improved effect with regard to adhesive strength, adhesion promotion and thermal shock resistance compared to known means.

IPC 8 full level

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