

Title (en)

TREATMENT DEVICE AND TREATMENT METHOD FOR PICKLING AND PHOSPHATING METAL PARTS

Title (de)

BEHANDLUNGSVORRICHTUNG UND BEHANDLUNGSVERFAHREN ZUM BEIZEN UND PHOSPHATIEREN VON METALLTEILEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE TRAITEMENT POUR DÉCAPER ET PHOSPHATER DES PIÈCES MÉTALLIQUES

Publication

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Application

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Abstract (en)

[origin: CA2947370A1] The invention relates to a treatment device (1) for the single-stage treatment of a metal object (2) to be treated. The treatment has at least the steps of pickling and phosphating the object (2) to be treated. The treatment device (1) comprises at least the following devices: a treatment container (4) for receiving the object (2) to be treated and for receiving a flowable treatment substance (6); and a pump device (10) for exchanging at least a fraction of the treatment substance (6). The treatment substance (6) flows around at least one part of the object (2) to be treated, in particular the entire object (2) to be treated. The treatment substance (6) is a phosphor- or phosphate-containing solution, in particular phosphoric acid. The phosphor- or phosphate-containing solution consists partly of water and partly of a reaction substance, and the reaction substance consists of phosphor or a phosphate and an additional treatment effect-improving substance. The proportion of the phosphor or the phosphate in the reaction substance is at least 95%, and the reaction substance does not have a salt acid or sulfuric acid content.

IPC 8 full level

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