

Title (en)

METHOD AND DEVICE FOR RECYCLING METAL PICKLING BATHS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM RECYCELN VON METALL-BEIZBÄDERN

Title (fr)

PROCEDE ET DISPOSITIF POUR RECYCLER DES BAINS DE DECAPAGE DE METAUX

Publication

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Application

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Abstract (en)

[origin: WO2004007801A1] The invention relates to a method for recycling metal pickling baths, including rinsing baths and air washers. Said method is characterised in that a) before the recycling process, free acids in the liquid waste flows to be treated are converted into a metallic salt form, b) water is separated from the largely acid-free metallic salt solution produced in order to obtain a concentrated metal salt solution, and c) the concentrated metal salt solution is subjected to a thermal method in order to obtain metal oxides and free acids. The invention also relates to a corresponding device. The inventive method and device enable the degree of acid recovery and also the production of metal oxides to be significantly increased, with lower operating costs.

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