

Title (en)

Process for treating waste pickling baths containing metallic salts and acids.

Title (de)

Verfahren zur Aufbereitung von Metallsalze und Säure enthaltender Altbeize.

Title (fr)

Procédé de traitement de bains de décapage usés contenant des sels métalliques et des acides.

Publication

EP 0463671 B1 19950809 (DE)

Application

EP 91201480 A 19910614

Priority

DE 4020560 A 19900628

Abstract (en)

[origin: EP0463671A1] A waste pickling bath which contains metal salts and acids, is produced in the surface treatment of rolled steel products and contains nitric and hydrofluoric acids and nickel, chromium and iron salts is subjected to an acid dialysis and a membrane electrolysis. In order to achieve a high return rate of free acids and a recovery of the metals in a form permitting direct use in the melt process, after the recovery of the free nitric acid and hydrofluoric acid in the acid dialysis the discharge, in which the concentration of free acids has been reduced, from the acid dialysis is subjected to a membrane electrolysis to recover the metals, and the overflow, in which the concentration of free acids has been increased, from the acid dialysis and the discharge, in which the concentration of metals has been reduced, from the membrane electrolysis are subjected to evaporation. <IMAGE>

IPC 1-7

C23G 1/36

IPC 8 full level

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CPC (source: EP)

C23G 1/36 (2013.01)

Citation (examination)

- Database WPI, Derwent Publications London, AN 78-26195A
- Chemical Abstracts, Band 89, Heft 14, 2 Oktober 1978, Columbus Ohio (US), Referat 117270s

Cited by

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DOCDB simple family (publication)

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