

Title (en)

RECOVERY OF METALS AND ACIDS FROM EXHAUSTED PICKLING SOLUTIONS AND/OR NEUTRALIZATION SLUDGE

Title (de)

RÜCKGEWINNUNG VON METALLEN UND SÄUREN AUS ERSCHÖPFTEN BEIZLÖSUNGEN UND/ODER NEUTRALISATIONSSCHLAMM

Title (fr)

RÉCUPÉRATION DE MÉTAUX ET D'ACIDES À PARTIR DE SOLUTIONS DÉCAPANTES ÉPUISÉES ET/OU DE BOUES DE NEUTRALISATION

Publication

EP 2366036 A1 20110921 (EN)

Application

EP 09767938 A 20091102

Priority

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- IT VA20080056 A 20081106

Abstract (en)

[origin: WO2010051992A1] A process of complete recovery of metals and acids from solutions and sludge polluted with metals coming from stainless steel works is disclosed. Volatile acids are recovered from exhausted pickling solutions through distillation in presence of sulphuric acid while metals are separately recovered in the elementary form or as hydroxides and salts. The treatment is also applied to sludge produced by neutralization of steel works waste, even when said sludge is already stored in dump sites, where a previous redissolution in an acidic medium is required.

IPC 8 full level

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