

Title (en)

Recovery of sodium hydroxide and aluminium hydroxide from etching waste.

Title (de)

Zurückgewinnung von Natriumhydroxid und Aluminiumhydroxid aus Ätzaabfall.

Title (fr)

Récupération de soude et de l'hydroxyde d'aluminium à partir de solutions de décapage usées.

Publication

**EP 0465822 A1 19920115 (EN)**

Application

**EP 91109027 A 19910603**

Priority

US 54939690 A 19900706

Abstract (en)

A method for the recovery and recycling of sodium hydroxide from the waste solution of aluminum etching operations. The method utilizes a dialysis membrane column or stack to initially remove sodium hydroxide from the waste solution and return it to the etch tank base solution sufficiently concentrated to carry on the basic etching operation. The method permits the recovery of salable quantities of aluminum hydroxide.

IPC 1-7

**C23F 1/46**

IPC 8 full level

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CPC (source: EP)

**C23F 1/46** (2013.01)

Citation (search report)

- [AD] US 4372805 A 19830208 - TAKAHASHI MASAOKI [JP], et al
- [AD] US 4136026 A 19790123 - MEYER RAYMOND J, et al
- [A] METAL FINISHING, vol. 57, no. 4, April 1959, pages 52-54,62, Westwood, NJ, US; D. DVORIN: "Dialysis for solution treatment in the metal finishing industry"

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CN101928948A; EP1995351A1; CN104626453A; US2022093341A1; US6454958B1; WO2010060408A3; WO9841672A1

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