

Title (en)

ALUMINUM PROMOTED HYDROGENATION OF ALKYLATION SLUDGE FOR ALUMINUM CHLORIDE RECOVERY

Title (de)

ALUMINIUMAKTIVIERTE HYDRIERUNG VON ALKYLIERUNGSSCHLAMM ZUR WIEDERGEWINNUNG VON ALUMINIUMCHLORID

Title (fr)

HYDROGENATION DE BOUES D'ALKYLATION ACTIVEE PAR L'ALUMINIUM EN VUE D'UNE RECUPERATION DE CHLORURE D'ALUMINIUM

Publication

**EP 0889851 A4 20000503 (EN)**

Application

**EP 97953540 A 19971220**

Priority

- US 9724154 W 19971220
- US 77552297 A 19970102

Abstract (en)

[origin: WO9829340A1] The recovery of aluminum chloride from deactivated alkylation catalyst complexes by hydrogenation using hydrogen gas (22) and an aluminum catalyst is disclosed. Using aluminum to catalyze the hydrogenation allows the reaction to proceed at a lower temperature and pressure while reducing the amount of hydrogen chloride present in the reactor (18) thus reducing the corrosiveness and cost of the aluminum chloride recovery. Methods for batch, batchwise-continuous, and continuous aluminum chloride recovery are disclosed.

IPC 1-7

**C01F 7/62**; **C01F 7/56**; **C07C 2/60**

IPC 8 full level

**C01F 7/56** (2022.01); **C07C 2/60** (2006.01)

CPC (source: EP US)

**C01F 7/56** (2013.01 - EP US); **C07C 2/60** (2013.01 - EP); **C07C 2527/126** (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9829340A1

Cited by

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DE FR GB IT NL

DOCDB simple family (publication)

**WO 9829340 A1 19980709**; AU 5726798 A 19980731; BR 9707905 A 19990727; CN 1212669 A 19990331; EA 000720 B1 20000228; EA 199800787 A1 19990429; EP 0889851 A1 19990113; EP 0889851 A4 20000503; NO 984012 D0 19980901; NO 984012 L 19980901; PE 76899 A1 19990816

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