

Title (en)

Manufacture of alkalimetal chlorate or perchlorate.

Title (de)

Herstellung von Alkalimetall-Chlorat oder -Perchlorat.

Title (fr)

Fabrication de chlorate ou de perchlorate de métal alcalin.

Publication

EP 0430830 A1 19910605 (FR)

Application

EP 90420512 A 19901127

Priority

FR 8916014 A 19891129

Abstract (en)

Manufacture of alkali metal chlorate, adaptable to that of alkali metal perchlorate, in a single stage by electrolysis at a pH of between 6.2 and 6.6 of an aqueous solution of the chloride of the said alkali metal, which contains 100 to 100 g of this chloride in the anode compartment of an electrolysis cell of the "chlorine-soda" type compartmented by means of a selectively permeable membrane of cationic type.

Abstract (fr)

Fabrication de chlorate de métal alcalin, transposable à celle de perchlorate de métal alcalin, en une étape unique par électrolyse à pH compris entre 6,2 et 6,6 d'une solution aqueuse du chlorure dudit métal alcalin qui contient 100 à 100 g. de ce chlorure, dans le compartiment anodique d'une cellule d'électrolyse de type "chlore-soude" compartimentée au moyen d'une membrane de type cationique à perméabilité sélective.

IPC 1-7

C25B 1/26; **C25B 1/28**

IPC 8 full level

C25B 1/14 (2006.01); **C25B 1/26** (2006.01); **C25B 1/28** (2006.01); **C25B 1/46** (2006.01)

CPC (source: EP KR US)

C25B 1/14 (2013.01 - KR); **C25B 1/265** (2013.01 - EP KR US); **C25B 1/28** (2013.01 - EP KR US); **C25B 15/031** (2021.01 - KR)

Citation (search report)

- [YD] US 3878072 A 19750415 - COOK JR EDWARD H, et al
- [A] US 4627899 A 19861209 - SMITH GERALD R [US], et al
- [Y] EXTENDED ABSTRACTS, FALL MEETING, Honolulu, Hawaii, 18-23 octobre 1987, vol. 87-2, pages 1629-1630, abstract no. 1177; A. TASAKA et al.: "Apparent activation energies for electrochemical chlorate-formation reaction on DSA-type electrode"

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 90420512 A 19901127; AU 6706890 A 19901128; BR 9006021 A 19901128; CA 2030978 A 19901128; CN 90109554 A 19901129; FI 905865 A 19901128; FR 8916014 A 19891129; IL 9634890 A 19901114; JP 33350590 A 19901129; KR 900019480 A 19901129; NO 905141 A 19901128; NZ 23625190 A 19901128; PL 28798890 A 19901128; PT 9602790 A 19901128; US 61942790 A 19901129; YU 225790 A 19901127; ZA 909601 A 19901129