

Title (en)

Process for the electrochemical production of chlorine from aqueous chlorhydric acid solutions

Title (de)

Verfahren zur elektrochemischen Herstellung von Chlor aus wässrigen Lösungen von Chlorwasserstoff

Title (fr)

Procédé de production électrochimique de chlore à partir de solutions aqueuses d'acide chlorhydrique

Publication

EP 1283281 A3 20030528 (DE)

Application

EP 02016239 A 20020722

Priority

DE 10138215 A 20010803

Abstract (en)

[origin: EP1283281A2] An electrolysis cell (1) has anode chamber(s) (3) having anode (4), and cathode chamber(s) (2) having oxygen-consuming cathode (5) and a pressure of 1.05 bar or more, and cation exchange membrane (6) for separating the chambers. An aqueous solution of hydrogen chloride is passed into the anode chamber(s), and oxygen-containing gas is passed into the cathode chamber(s), to electrochemically prepare chlorine.

IPC 1-7

C25B 1/26

IPC 8 full level

C25B 1/26 (2006.01)

CPC (source: EP US)

C25B 1/26 (2013.01 - EP US)

Citation (search report)

- [X] US 6149782 A 20001121 - ALLEN ROBERT J [US], et al
- [DA] EP 0785294 A1 19970723 - DE NORA SPA [IT]

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1283281 A2 20030212; EP 1283281 A3 20030528; EP 1283281 B1 20121114; CN 1247818 C 20060329; CN 1405357 A 20030326; DE 10138215 A1 20030220; ES 2397508 T3 20130307; HK 1054575 A1 20031205; JP 2003049290 A 20030221; JP 4251432 B2 20090408; PT 1283281 E 20130124; US 2003024824 A1 20030206; US 6790339 B2 20040914

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EP 02016239 A 20020722; CN 02127462 A 20020802; DE 10138215 A 20010803; ES 02016239 T 20020722; HK 03106703 A 20030918; JP 2002222751 A 20020731; PT 02016239 T 20020722; US 20793702 A 20020730