

Title (en)

ELECTROLYSIS CELL, ESPECIALLY FOR ELECTROCHEMICAL PRODUCTION OF CHLORINE

Title (de)

ELEKTROLYSEZELLE, INSBESONDERE ZUR ELEKTROCHEMISCHEN HERSTELLUNG VON CHLOR

Title (fr)

CELLULE D'ELECTROLYSE, ADAPTEE EN PARTICULIER A LA PRODUCTION ELECTROCHIMIQUE DE CHLORE

Publication

**EP 1442157 A2 20040804 (DE)**

Application

**EP 02772323 A 20020919**

Priority

- DE 10148600 A 20011002
- EP 0210516 W 20020919

Abstract (en)

[origin: US2005173257A1] An electrolysis cell, suitable for the electrochemical production of chlorine from aqueous solutions of hydrogen chloride. The cell preferably comprises an anode space formed from an anode, an anode frame, and a back wall, the anode frame supporting the anode, and the anode space having an inlet and an outlet for the electrolyte, a cathode space formed from a current collector. The cell further preferably comprises a cathode frame and a back wall, the cathode frame supporting the current collector and the cathode space having an inlet and an outlet for the gas, a gas diffusion electrode arranged between anode and current collector and an cation exchange membrane arranged between anode and gas diffusion electrode, wherein the gas diffusion electrode is fixed on the current collector.

IPC 1-7

**C25B 9/04**

IPC 8 full level

**C01B 7/01** (2006.01); **C25B 1/26** (2006.01); **C25B 9/19** (2021.01)

CPC (source: EP KR US)

**C25B 1/26** (2013.01 - KR); **C25B 9/19** (2021.01 - EP KR US); **C25B 9/63** (2021.01 - EP KR US)

Citation (search report)

See references of WO 03031690A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**US 2005173257 A1 20050811; US 7329331 B2 20080212;** AU 2002337113 A1 20030422; BR 0213081 A 20041013; CN 100582308 C 20100120; CN 1564879 A 20050112; DE 10148600 A1 20030410; EP 1442157 A2 20040804; EP 1442157 B1 20181017; HU P0401498 A2 20041028; JP 2005504893 A 20050217; JP 4689958 B2 20110601; KR 100931754 B1 20091214; KR 20040049312 A 20040611; PL 368302 A1 20050321; WO 03031690 A2 20030417; WO 03031690 A3 20040108

DOCDB simple family (application)

**US 49162104 A 20041004;** AU 2002337113 A 20020919; BR 0213081 A 20020919; CN 02819583 A 20020919; DE 10148600 A 20011002; EP 0210516 W 20020919; EP 02772323 A 20020919; HU P0401498 A 20020919; JP 2003534656 A 20020919; KR 20047004765 A 20020919; PL 36830202 A 20020919