

Title (en)

ELECTROLYSIS CELL, PARTICULARLY FOR ELECTROCHEMICALLY PRODUCING CHLORINE

Title (de)

ELEKTROLYSEZELLE, INSBESONDERE ZUR ELEKTROCHEMISCHEN HERSTELLUNG VON CHLOR

Title (fr)

CELLULE ELECTROLYTIQUE, DESTINEE EN PARTICULIER A LA PRODUCTION ELECTROCHIMIQUE DE CHLORE

Publication

EP 1417356 B1 20050112 (DE)

Application

EP 02794511 A 20020722

Priority

- DE 10138214 A 20010803
- EP 0208132 W 20020722

Abstract (en)

[origin: WO03014419A2] The invention relates to an electrolysis cell comprising an anode frame (26), an anode (24), a cation exchanging membrane (34), a gas diffusion electrode (32), a current collector (10), and a cathode frame (12), whereby the anode (24), the cation exchanging membrane (34), the gas diffusion electrode (32) and the current collector (10) are elastically held together so that there are no gaps between the individual components: anode (24), cation exchanging membrane (34), gas diffusion electrode (32) and current collector (10). The elastic cohesion is preferably achieved by the current collector (10) being elastically fixed to the cathode frame (12) and/or by the anode (24) being elastically fixed to the anode frame (26).

IPC 1-7

C25B 9/02; **C25B 1/26**

IPC 8 full level

C25B 1/26 (2006.01); **C25B 9/19** (2021.01); **C25B 13/02** (2006.01)

CPC (source: EP US)

C25B 1/26 (2013.01 - EP US); **C25B 9/19** (2021.01 - EP US); **C25B 9/65** (2021.01 - EP US)

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)

WO 03014419 A2 20030220; **WO 03014419 A3 20030918**; AT E286995 T1 20050115; BR 0211694 A 20040713; CA 2456048 A1 20030220; CN 1564878 A 20050112; DE 10138214 A1 20030220; DE 50202014 D1 20050217; EP 1417356 A2 20040512; EP 1417356 B1 20050112; ES 2236610 T3 20050716; HU P0401578 A2 20041129; HU P0401578 A3 20050728; JP 2004538365 A 20041224; KR 20040030924 A 20040409; PT 1417356 E 20050531; US 2003047446 A1 20030313; US 6841047 B2 20050111

DOCDB simple family (application)

EP 0208132 W 20020722; AT 02794511 T 20020722; BR 0211694 A 20020722; CA 2456048 A 20020722; CN 02819766 A 20020722; DE 10138214 A 20010803; DE 50202014 T 20020722; EP 02794511 A 20020722; ES 02794511 T 20020722; HU P0401578 A 20020722; JP 2003519545 A 20020722; KR 20047001702 A 20020722; PT 02794511 T 20020722; US 21448002 A 20020802