

Title (en)

ELECTROLYTIC CELL WITH CATHOLYTE RECYCLE

Title (de)

ELEKTROLYSEZELLE MIT KATHOLYT-RÜCKFÜHRUNG

Title (fr)

CELLULE ÉLECTROLYTIQUE AVEC RECYCLAGE DU CATHOLYTE

Publication

**EP 2872677 A1 20150520 (EN)**

Application

**EP 13816164 A 20130710**

Priority

- US 201213546239 A 20120711
- US 2013049873 W 20130710

Abstract (en)

[origin: US2014014528A1] An improved electrolytic cell, its method and system is disclosed. The electrolytic cell (12) is configured, at least in one design, to recycle the catholyte to increase chlorine capture and concentration in the output solution. The cell (12) includes at least an anode chamber (39) and a cathode chamber (35). And in one design, a chamber or reservoir (31) for that serves as a source of anions and cations for the anode and cathode chambers. The outlet (38) of the cathode chamber is preferably connected in fluid communication with the inlet (44) of a degassing chamber (14) and the outlet (46) of the degassing chamber is preferably connected in fluid communication with the inlet (40) of the anode chamber.

IPC 8 full level

**C25B 15/08** (2006.01); **C25B 1/26** (2006.01); **C25B 9/19** (2021.01)

CPC (source: EP US)

**C25B 1/26** (2013.01 - EP US); **C25B 9/00** (2013.01 - US); **C25B 9/19** (2021.01 - EP US); **C25B 15/08** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**US 2014014528 A1 20140116**; EP 2872677 A1 20150520; EP 2872677 A4 20160309; EP 2872677 B1 20190109; US 2015053569 A1 20150226; WO 2014011736 A1 20140116

DOCDB simple family (application)

**US 201213546239 A 20120711**; EP 13816164 A 20130710; US 2013049873 W 20130710; US 201414529233 A 20141031