

Title (en)

ELECTROCHEMICAL PRODUCTION OF AN ALKALINE SOLUTION USING CO<sub>2</sub>

Title (de)

ELEKTROCHEMISCHE HERSTELLUNG EINER ALKALILÖSUNG MITHILFE VON CO<sub>2</sub>

Title (fr)

PRODUCTION ÉLECTROCHIMIQUE D'UNE SOLUTION ALCALINE À L'AIDE DE CO<sub>2</sub> & xA;

Publication

**EP 2324528 A1 20110525 (EN)**

Application

**EP 09841274 A 20091112**

Priority

- US 2009064117 W 20091112
- US 50355709 A 20090715
- US 54105509 A 20090813

Abstract (en)

[origin: WO2011008223A1] An electrochemical system comprising a cathode electrolyte comprising added carbon dioxide and contacting a cathode; and a first cation exchange membrane separating the cathode electrolyte from an anode electrolyte contacting an anode; and an electrochemical method comprising adding carbon dioxide into a cathode electrolyte separated from an anode electrolyte by a first cation exchange membrane; and producing an alkaline solution in the cathode electrolyte and an acid.

IPC 8 full level

**H01M 6/00** (2006.01)

CPC (source: EP)

**C02F 1/46109** (2013.01); **C25B 1/00** (2013.01); **C25B 1/02** (2013.01); **C25B 1/04** (2013.01); **C25B 1/14** (2013.01); **C25B 1/16** (2013.01); **C25B 1/26** (2013.01); **C02F 1/68** (2013.01); **C02F 2001/46166** (2013.01); **C02F 2201/46115** (2013.01); **C02F 2201/4613** (2013.01); **C02F 2201/46135** (2013.01); **C02F 2201/46185** (2013.01); **C02F 2209/06** (2013.01); **C02F 2301/046** (2013.01); **Y02E 60/36** (2013.01)

Citation (search report)

See references of WO 2011008223A1

Cited by

US10556848B2

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**WO 2011008223 A1 20110120**; AU 2009290161 A1 20110203; CN 102239590 A 20111109; EP 2324528 A1 20110525

DOCDB simple family (application)

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