

Title (en)

REDUCTION METHOD FOR ELECTROCHEMICAL CARBON DIOXIDE UTILIZATION, ALKALI CARBONATE PREPARATION AND ALKALI HYDROGEN CARBONATE PREPARATION

Title (de)

REDUKTIONSVERFAHREN ZUR ELEKTROCHEMISCHEN KOHLENSTOFFDIOXID-VERWERTUNG, ALKALICARBONAT- UND ALKALIHYDROGENCARBONATERZEUGUNG

Title (fr)

PROCÉDÉ DE RÉDUCTION AUX FINS DE VALORISATION ÉLECTROCHIMIQUE DE DIOXYDE DE CARBONE, DE PRODUCTION DE CARBONATE ALCALIN ET D'HYDROGÉNOCARBONATE ALCALIN

Publication

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Application

EP 16733951 A 20160630

Priority

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- EP 2016065277 W 20160630

Abstract (en)

[origin: WO2017005594A1] Described is an electrolytic system comprising an electrolytic cell, a separation of the anolyte side and the catholyte side, and a separation and withdrawal device for an alkali carbonate and/or an alkali hydrogen carbonate. The disclosed reduction method allows for the continuous carbon dioxide utilization and simultaneous preparation of multiple valuable chemical products.

IPC 8 full level

C25B 1/14 (2006.01); **C25B 3/25** (2021.01); **C25B 1/23** (2021.01); **C25B 1/26** (2006.01); **C25B 3/26** (2021.01); **C25B 15/08** (2006.01)

CPC (source: EP US)

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US 2008223727 A1 20080918 - OLOMAN COLIN [CA], et al

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