

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**

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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)  
**C25B 1/00** (2013.01 - US); **C25B 1/14** (2013.01 - EP US); **C25B 1/23** (2021.01 - EP); **C25B 1/26** (2013.01 - EP US); **C25B 3/25** (2021.01 - US); **C25B 3/26** (2021.01 - EP); **C25B 15/08** (2013.01 - US); **C25B 15/083** (2021.01 - EP); **C25B 15/087** (2021.01 - EP)

Citation (examination)  
US 2008223727 A1 20080918 - OLOMAN COLIN [CA], et al

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