

Title (en)
REDUCING CARBON DIOXIDE TO PRODUCTS

Title (de)
REDUZIERUNG DES KOHLENDIOXIDANTEILS IN PRODUKTEN

Title (fr)
RÉDUCTION DU DIOXYDE DE CARBONE EN PRODUITS

Publication
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Application
EP 13757264 A 20130306

Priority
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Abstract (en)
[origin: WO2013134418A1] A method reducing carbon dioxide to one or more products may include steps (A) to (C). Step (A) may bubble said carbon dioxide into a solution of an electrolyte and a catalyst in a divided electrochemical cell. The divided electrochemical cell may include an anode in a first cell compartment and a cathode in a second cell compartment. The cathode may reduce said carbon dioxide into said products. Step (B) may adjust one or more of (a) a cathode material, (b) a surface morphology of said cathode, (c) said electrolyte, (d) a manner in which said carbon dioxide is bubbled, (e), a pH level of said solution, and (f) an electrical potential of said divided electrochemical cell, to vary at least one of (i) which of said products is produced and (ii) a faradaic yield of said products. Step (C) may separate said products from said solution.

IPC 8 full level
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