

Title (en)
DEVICE AND METHOD FOR THE ELECTROCHEMICAL UTILISATION OF CARBON DIOXIDE

Title (de)
VORRICHTUNG UND VERFAHREN ZUR ELEKTROCHEMISCHEN NUTZUNG VON KOHLENSTOFFDIOXID

Title (fr)
DISPOSITIF ET PROCÉDÉ D'UTILISATION ÉLECTROCHIMIQUE DE DIOXYDE DE CARBONE

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Application
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Abstract (en)
[origin: WO2017207220A1] The invention relates to a method and an electrolyser for the electrochemical utilisation of carbon dioxide. The electrolyser for the electrochemical utilisation of carbon dioxide comprises at least one electrolytic cell, wherein the electrolytic cell has an anode chamber with an anode and a cathode chamber with a cathode, a first cation-permeable membrane is arranged between the anode chamber and the cathode chamber, and the anode is directly adjacent to the first membrane in the anode chamber, and a second anion-selective membrane is arranged in the cathode chamber between the first membrane and the cathode, and the second membrane is at least partially but not completely directly adjacent to the first membrane.

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