

Title (en)  
CO2 ELEKTROLYSER

Title (de)  
CO2-ELECTROLYSEUR

Title (fr)  
CO2-ÉLECTROLYSEUR

Publication  
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Application  
**EP 18739749 A 20180626**

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Abstract (en)  
[origin: WO2019015919A1] The invention relates to a CO2 electrolyser with a gas chamber (4), which is adjacent to a cathode (6), which is designed as a gas diffusion electrode (7), which in turn is adjacent to a cathode chamber (8), and with an anode (10) with an anode chamber (12), wherein the cathode chamber (8) and the anode chamber (12) are separated by a membrane (13), wherein the cathode chamber (8) is intended for receiving a catholyte (14) and the anode chamber (12) is intended for receiving an anolyte (15) and the gas chamber (4) has a feed device (16) for the reactant gas (18), the electrolyser (2) also comprises a mixing container (20) for receiving the anolyte (15) and the catholyte (14) together. The invention is distinguished by the fact that the mixing container (20) has a gas separating region (24) that is closed off from an atmosphere (22) and a connecting line (26) is provided between the gas separating region (24) and the gas chamber (4).

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