

Title (en)
ARRANGEMENT AND METHOD FOR THE ELECTROLYSIS OF CARBON DIOXIDE

Title (de)
ANORDNUNG UND VERFAHREN FÜR DIE KOHLENDIOXID-ELEKTROLYSE

Title (fr)
AGENCEMENT ET PROCÉDÉ POUR L'ÉLECTROLYSE DU DIOXYDE DE CARBONE

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Application
EP 17725925 A 20170518

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Abstract (en)
[origin: WO2018001637A1] The invention relates to an arrangement for the electrolysis of carbon dioxide and to a method for the operation thereof, comprising an electrolytic cell with an anode and a cathode, the anode and cathode being connected to a voltage supply, the cathode being a gas diffusion electrode and a gas chamber being connected to a first side of the cathode and a cathode chamber being connected to a second side of the cathode, also comprising an electrolytic circuit which is connected to the electrolytic cell, and a gas supply for supplying carbon dioxide-containing gas into the gas chamber, characterised in that the gas chamber comprises an outlet for the electrolyte and the electrolyte outlet comprising a blocking device which is designed such that the blocking device is opened when the difference in pressure between the gas chamber and the cathode chamber exceeds a threshold value.

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