

Title (en)

ELECTROLYTIC CELL HAVING A TEMPERATURE-CONTROL DEVICE, ELECTROLYZER STACK HAVING A TEMPERATURE-CONTROL DEVICE, ELECTROLYSIS SYSTEM HAVING THE ELECTROLYZER STACK, AND METHOD FOR THE TEMPERATURE CONTROL OF AN ELECTROLYZER STACK

Title (de)

ELEKTROLYSEZELLE MIT TEMPERIERVORRICHTUNG, ELEKTROLYSEURSTACK AUFWEISEND EINE TEMPERIERVORRICHTUNG, ELEKTROLYSESYSTEM AUFWEISEND DEN ELEKTROLYSEURSTACK UND VERFAHREN ZUR TEMPERIERUNG EINES ELEKTROLYSEURSTACKS

Title (fr)

CELLULE ÉLECTROLYTIQUE À DISPOSITIF DE THERMORÉGULATION, EMPILEMENT D'ÉLECTROLYSEURS COMPORTANT UN DISPOSITIF DE THERMORÉGULATION, SYSTÈME D'ÉLECTROLYSE COMPORTANT L'EMPILEMENT D'ÉLECTROLYSEURS ET PROCÉDÉ DE THERMORÉGULATION D'UN EMPILEMENT D'ÉLECTROLYSEURS

Publication

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Application

EP 22760653 A 20220726

Priority

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- EP 2022070906 W 20220726

Abstract (en)

[origin: CN216712260U] The utility model relates to an electrolytic tank, which is designed to be used for generating hydrogen and oxygen from water and comprises two electrodes, namely an anode and a cathode; a proton conducting membrane arranged between the two electrodes as a dielectric, two bipolar plates designed to electrically contact the electrolytic cell; the electrolytic cell is further designed to control the temperature by means of a temperature control device and to control the temperature according to a temperature control section and/or a temperature control plate arranged next to the anode and/or the cathode. The utility model further relates to an electrolysis device pile with the electrolytic tank and an electrolysis system with at least one electrolysis device pile.

IPC 8 full level

C25B 1/04 (2021.01); **C25B 9/19** (2021.01); **C25B 9/67** (2021.01); **C25B 9/75** (2021.01); **C25B 9/77** (2021.01); **C25B 15/021** (2021.01); **C25B 15/023** (2021.01); **C25B 15/027** (2021.01)

CPC (source: EP)

C25B 1/04 (2013.01); **C25B 9/19** (2021.01); **C25B 9/67** (2021.01); **C25B 9/75** (2021.01); **C25B 9/77** (2021.01); **C25B 15/021** (2021.01); **C25B 15/023** (2021.01); **C25B 15/027** (2021.01); **Y02E 60/36** (2013.01); **Y02E 60/50** (2013.01)

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