

Title (en)
HOT WATER INSTALLATION AND METHOD FOR HEATING WATER

Title (de)
WARMWASSERANLAGE UND VERFAHREN ZUM ERWÄRMEN VON WASSER

Title (fr)
INSTALLATION D'EAU CHAUDE ET PROCÉDÉ DE CHAUFFAGE D'EAU

Publication
EP 4151922 A1 20230322 (EN)

Application
EP 21197397 A 20210917

Priority
EP 21197397 A 20210917

Abstract (en)
The invention relates to a hot water installation and method, the installation comprising:- a feed for supplying a liquid flow to be heated;- a burner configured to combust a gas (mixture) for the purpose of heating the liquid flow;- a discharge for discharging the heated liquid flow;- a gas feed connected operatively to the burner;- a gas mixer configured to mix a supply of a hydrocarbon gas with a gas mixture of oxygen and hydrogen;- an electrolysis system connected operatively to the gas mixer and configured to produce the gas mixture of oxygen and hydrogen,further comprising:- a dehumidifier configured to dehumidify the gas mixture of oxygen and hydrogen produced with the electrolysis system; and- a heat exchanger connected operatively to the electrolysis system and the feed of the liquid flow to be heated, and configured to preheat the liquid flow to be heated.

IPC 8 full level
F24H 1/00 (2006.01); **C25B 1/04** (2006.01); **F23N 1/02** (2006.01); **F24D 19/10** (2006.01)

CPC (source: EP)
C25B 1/04 (2013.01); **C25B 15/021** (2021.01); **C25B 15/081** (2021.01); **C25B 15/087** (2021.01); **F24D 19/1006** (2013.01); **F24H 1/0027** (2013.01); **F24D 2200/16** (2013.01)

Citation (applicant)
WO 2017196174 A1 20171116 - TIELUK B V [NL]

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4151922 A1 20230322

DOCDB simple family (application)
EP 21197397 A 20210917