

Title (en)
PORTABLE DEVICE FOR PRODUCING HYDROGEN, AND USE THEREOF

Title (de)
TRAGBARE VORRICHTUNG ZUR ERZEUGUNG VON WASSERSTOFF UND DEREN VERWENDUNG

Title (fr)
DISPOSITIF PORTABLE DE PRODUCTION D'HYDROGÈNE, ET SON UTILISATION

Publication
EP 3735393 A1 20201111 (FR)

Application
EP 19710741 A 20190213

Priority
• FR 1851180 A 20180213
• FR 2019050310 W 20190213

Abstract (en)
[origin: CA3091137A1] Portable device (1) for producing hydrogen from a hydrogen precursor and a liquid, this device comprising - a main chamber (2), intended for receiving said hydrogen precursor and said liquid, - an additional chamber (6), intended for collecting the hydrogen thus produced, - a separation membrane (5), defining said main chamber relative to said additional chamber, - means (8) for discharging the hydrogen out of the additional chamber, and characterized in that it comprises heat exchange means (21), provided on at least one portion of the periphery of said main chamber. This device produces pure hydrogen which may supply a fuel cell.

IPC 8 full level
C01B 3/08 (2006.01); **B01J 7/02** (2006.01); **H01M 8/065** (2016.01)

CPC (source: EP US)
C01B 3/08 (2013.01 - EP US); **C01B 3/503** (2013.01 - US); **H01M 8/04067** (2013.01 - US); **H01M 8/04216** (2013.01 - EP); **H01M 8/04708** (2013.01 - US); **H01M 8/0606** (2013.01 - US); **H01M 8/065** (2013.01 - EP); **H01M 8/0687** (2013.01 - US); **C01B 2203/041** (2013.01 - US); **H01M 2250/30** (2013.01 - US); **Y02E 60/36** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP)

Citation (search report)
See references of WO 2019158853A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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