

Title (en)

SYSTEM AND METHOD FOR GENERATING GASEOUS HYDROGEN ON DEMAND

Title (de)

SYSTEM UND VERFAHREN ZUR ERZEUGUNG VON GASFÖRMIGEM WASSERSTOFF BEI BEDARF

Title (fr)

SYSTÈME ET PROCÉDÉ DE GÉNÉRATION D'HYDROGÈNE GAZEUX À LA DEMANDE

Publication

EP 3397794 A1 20181107 (EN)

Application

EP 16836107 A 20161227

Priority

- IT UB20159792 A 20151230
- IB 2016058012 W 20161227

Abstract (en)

[origin: WO2017115269A1] Described herein are a system (SY) and a method for storage of energy aimed at the subsequent production of gaseous hydrogen and electrical energy on demand. The system (SY) and the process exploit a hydrogen precursor consisting of a metal deposited by electrolysis of an alkaline solution in an deposition electrolytic cell (C1, C2, Cn).

IPC 8 full level

C25B 1/02 (2006.01); **C25C 1/16** (2006.01); **H01M 8/0656** (2016.01); **H01M 14/00** (2006.01)

CPC (source: EP)

C25B 1/00 (2013.01); **C25B 1/04** (2013.01); **C25B 5/00** (2013.01); **C25B 15/08** (2013.01); **H01M 8/0656** (2013.01); **H01M 8/225** (2013.01); **H01M 14/00** (2013.01); **H01M 16/00** (2013.01); **H01M 16/003** (2013.01); **C25C 1/16** (2013.01); **Y02E 60/36** (2013.01); **Y02E 60/50** (2013.01)

Citation (search report)

See references of WO 2017115269A1

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