

Title (en)

DEVICE FOR GENERATING GASEOUS DIHYDROGEN

Title (de)

VORRICHTUNG ZUR ERZEUGUNG VON GASFÖRMIGEM DIHYDROGEN

Title (fr)

DISPOSITIF DE GENERATION DE DIHYDROGENE GAZEUX.

Publication

**EP 3317225 A1 20180509 (FR)**

Application

**EP 16750895 A 20160628**

Priority

- FR 1556116 A 20150630
- FR 2016051586 W 20160628

Abstract (en)

[origin: WO2017001756A1] The invention relates to a device (1) for generating gaseous dihydrogen, comprising a body (2) defining an inner space containing: a first storage compartment (4) defined by a first wall (6) and containing a hydrogen storage material; a second conveying compartment (8) surrounded by the first compartment (4) and separated from same by a second wall (9), a conveying system (11) being provided in the second compartment (8) such as to transport the hydrogen storage material from an inlet (13a), located in the second compartment (8) and in communication with the first compartment (4), to an outlet (13b) located in the second compartment (8); and a recovery medium (15) in communication with the outlet (13b) of the second compartment (8) and connected to the first (6) and second (9) walls, said medium (15) being designed to be moved in the first compartment (4). The device also comprises a movement system for actuating the conveying system (11) as well as the movement of the recovery medium (15) in the first compartment (4), and a heating system designed to heat the second compartment (8).

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2017001756A1

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**WO 2017001756 A1 20170105**; CA 2990175 A1 20170105; CN 107922185 A 20180417; EP 3317225 A1 20180509; FR 3038454 A1 20170106; FR 3038454 B1 20170728; US 10608270 B2 20200331; US 2018222751 A1 20180809

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