

Title (en)

HYDROGEN GENERATION SYSTEM AND METHOD

Title (de)

WASSERSTOFFERZEUGUNGSSYSTEM UND -VERFAHREN

Title (fr)

SYSTEME ET PROCEDE GENERANT DE L HYDROGENE

Publication

EP 1851813 A2 20071107 (EN)

Application

EP 06849344 A 20060127

Priority

- US 2006002895 W 20060127
- US 64739205 P 20050128

Abstract (en)

[origin: WO2007084142A2] Fuel containers and hydrogen gas generation systems and methods are provided which comprise a fuel storage chamber and a hydrogen storage region separated by a partition including a gas permeable membrane to transport hydrogen to the hydrogen storage region. A hydrogen separation chamber and a volume-exchange configuration for the storage of a fuel solution and product material may be incorporated. Methods also are provided for regulating transfer of fuel solution to a reaction chamber and transfer of hydrogen and product to the hydrogen separation chamber, while maintaining a positive pressure differential from the fuel storage chamber to the hydrogen storage region.

IPC 8 full level

H01M 4/00 (2006.01)

CPC (source: EP KR)

H01M 8/04 (2013.01 - KR); **H01M 8/04208** (2013.01 - EP); **Y02E 60/36** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2007084142A2

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