

Title (en)  
SELF-HEATING METAL-HYDRIDE HYDROGEN STORAGE SYSTEM

Title (de)  
SELBSTERHITZENDES METALLHYDRID-WASSERSTOFF-SPEICHERSYSTEM

Title (fr)  
SYSTEME DE STOCKAGE D'HYDROGENE DANS UN HYDRURE METALLIQUE, A AUTO-CHAUFFAGE

Publication  
**EP 1203194 A1 20020508 (EN)**

Application  
**EP 99928784 A 19990617**

Priority  
US 9913766 W 19990617

Abstract (en)  
[origin: CA2375392A1] A self-heating metal-hydride hydrogen storage system comprising: a primary metal-hydride storage container housing a metal-hydride hydrogen storage material, the primary storage container having a hydrogen outlet port; a hydrogen combustor housed within the primary metal-hydride storage container and surrounded by the high-temperature storage material, the combustor having a hydrogen inlet port gaseously connected to the hydrogen outlet port of the primary storage container; and means for supplying hydrogen gaseously connected to the hydrogen inlet port of the combustor.

IPC 1-7  
**F28D 15/00**

IPC 8 full level  
**F17C 11/00** (2006.01); **C01B 3/00** (2006.01); **F28D 15/00** (2006.01); **H01M 8/04** (2006.01)

CPC (source: EP KR)  
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