

Title (en)  
THERMAL MANAGEMENT METHOD FOR AN AMMONIA STORAGE SYSTEM

Title (de)  
WÄRMEVERWALTUNGSVERFAHREN FÜR EIN AMMONIAKSPEICHERSYSTEM

Title (fr)  
PROCÉDÉ DE GESTION THERMIQUE D'UN SYSTÈME DE STOCKAGE D'AMMONIAC

Publication  
**EP 4264025 A1 20231025 (FR)**

Application  
**EP 21843652 A 20211220**

Priority  
• FR 2013776 A 20201221  
• EP 2021086811 W 20211220

Abstract (en)  
[origin: WO2022136281A1] This ammonia storage system for a vehicle (2) is characterised in that it comprises: - at least one starter cartridge (8) for storing ammonia in absorbed form in a starter salt; - at least one main cartridge (10) for storing ammonia in absorbed form in a main salt, the starter salt having an ammonia desorption temperature greater than an ammonia desorption temperature of the main salt; - a heater (34) for heating the starter cartridge; - an ammonia consumption member (6); - at least one heat exchange fluid circulation line (22), which is arranged to allow a heat exchange between, on the one hand, the heat exchange fluid and, on the other hand, the starter cartridge (8), the main cartridges (10) and the member (6); and - an ammonia circulation pipe (12), which connects the starter cartridge (8), the main cartridges (10) and the member (6).

IPC 8 full level  
**F01N 3/20** (2006.01); **C01C 1/00** (2006.01); **H01M 8/04082** (2016.01)

CPC (source: EP KR)  
**C01B 3/047** (2013.01 - EP KR); **C01C 1/006** (2013.01 - EP KR); **F01N 3/20** (2013.01 - EP); **F01N 3/208** (2013.01 - EP KR); **H01M 8/04216** (2013.01 - EP KR); **H01M 8/065** (2013.01 - EP KR); **H01M 8/222** (2013.01 - EP KR); **F01N 2240/16** (2013.01 - EP KR); **F01N 2570/18** (2013.01 - EP KR); **F01N 2610/02** (2013.01 - EP KR); **F01N 2610/06** (2013.01 - EP KR); **F01N 2610/10** (2013.01 - EP KR); **H01M 2250/20** (2013.01 - EP KR); **Y02A 50/20** (2017.12 - EP KR); **Y02E 60/36** (2013.01 - EP KR); **Y02E 60/50** (2013.01 - EP KR); **Y02T 10/12** (2013.01 - EP KR); **Y02T 90/40** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2022136281A1

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BA ME

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KH MA MD TN

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