

Title (en)  
SYSTEM FOR STORING AND DELIVERING AMMONIA

Title (de)  
SYSTEM ZUR LAGERUNG UND ABGABE VON AMMONIAK

Title (fr)  
SYSTÈME DE STOCKAGE ET DE DÉLIVRANCE D'AMMONIAC

Publication  
**EP 4127429 A1 20230208 (FR)**

Application  
**EP 21715262 A 20210330**

Priority  
• BE 202005206 A 20200331  
• EP 2021058245 W 20210330

Abstract (en)  
[origin: WO2021198227A1] The invention relates to a system (1) for storing and delivering ammonia. According to the invention, such a system (1) for storing and delivering ammonia comprises a plurality of cartridges (10) for storing ammonia, each of the cartridges comprising a storage means (11), a first means (12) for adjusting the internal pressure, said first means (12) for adjusting the internal pressure comprising a first heating means, a first inlet valve (13) and a first outlet valve (14), a control device (20) for controlling the storage and delivery of ammonia for each cartridge independently of the other cartridges; a first filling or refilling line (30) connecting the cartridges (10), said first filling or refilling line (30) comprising a second inlet valve (31); an ammonia delivery line (40) connecting the plurality of cartridges (10), said ammonia delivery line (40) comprising a pressure sensor (42), a metering device (43), and a second outlet valve (41) that is able to switch selectively between an open positing and a closed position.

IPC 8 full level  
**F01N 3/20** (2006.01)

CPC (source: EP KR)  
**F01N 3/2066** (2013.01 - EP); **F01N 3/208** (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); **F01N 2610/1413** (2013.01 - EP KR); **F01N 2610/142** (2013.01 - EP KR); **Y02A 50/20** (2018.01 - EP KR); **Y02T 10/12** (2013.01 - EP KR)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2021198227 A1 20211007**; BE 1028173 A1 20211022; BE 1028173 B1 20211025; CN 115244284 A 20221025; EP 4127429 A1 20230208; JP 2023519829 A 20230515; KR 20220156527 A 20221125

DOCDB simple family (application)  
**EP 2021058245 W 20210330**; BE 202005206 A 20200331; CN 202180017496 A 20210330; EP 21715262 A 20210330; JP 2022557170 A 20210330; KR 20227029116 A 20210330