

Title (en)  
LIQUID FORMULATION FOR HYDROGEN STORAGE

Title (de)  
FLÜSSIGE FORMULIERUNG ZUR WASSERSTOFFSPEICHERUNG

Title (fr)  
FORMULATION LIQUIDE POUR STOCKAGE D'HYDROGÈNE

Publication  
**EP 4259572 A1 20231018 (FR)**

Application  
**EP 21840653 A 20211207**

Priority  
• FR 2012920 A 20201209  
• FR 2021052221 W 20211207

Abstract (en)  
[origin: CA3180258A1] The present invention relates to a liquid formulation comprising an amount greater than or equal to 50% by weight of benzyl toluene and an amount less than or equal to 10 ppm by weight of at least one hydrocarbon having a molar mass less than or equal to 100 g mol<sup>-1</sup>. The invention also relates to the use of said formulation, comprising an amount less than or equal to 10 ppm by weight of light hydrocarbon, as LOHC for producing hydrogen.

IPC 8 full level  
**C01B 3/00** (2006.01)

CPC (source: EP US)  
**C01B 3/0015** (2013.01 - EP US); **C01B 3/22** (2013.01 - EP); **C01B 2203/0277** (2013.01 - EP); **C01B 2203/066** (2013.01 - EP US); **Y02E 60/32** (2013.01 - EP)

Citation (search report)  
See references of WO 2022123165A1

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)  
**FR 3117113 A1 20220610; FR 3117113 B1 20240412**; AU 2021396717 A1 20221222; CA 3180258 A1 20220616; CN 115715272 A 20230224; EP 4259572 A1 20231018; JP 2023553231 A 20231221; US 2024150167 A1 20240509; WO 2022123165 A1 20220616

DOCDB simple family (application)  
**FR 2012920 A 20201209**; AU 2021396717 A 20211207; CA 3180258 A 20211207; CN 202180043326 A 20211207; EP 21840653 A 20211207; FR 2021052221 W 20211207; JP 2022572354 A 20211207; US 202117999567 A 20211207