

Title (en)

SYSTEM FOR SUPPLYING HYDROGEN TO A FUEL CELL

Title (de)

SYSTEM ZUR VERSORGUNG EINER BRENNSTOFFZELLE MIT WASSERSTOFF

Title (fr)

SYSTÈME D'ALIMENTATION EN HYDROGÈNE D'UNE PILE À COMBUSTIBLE

Publication

**EP 4409665 A1 20240807 (FR)**

Application

**EP 22786361 A 20220922**

Priority

- FR 2110224 A 20210928
- EP 2022076449 W 20220922

Abstract (en)

[origin: WO2023052249A1] The present invention relates to a system (17) for supplying hydrogen to a fuel cell (1) for a vehicle, comprising an evaporator (4) equipped with a supply (61) for hydrogen in liquid form and with a discharge (62) for hydrogen in gaseous form, this evaporator (4) comprising an enclosure within which a porous material is arranged, the enclosure being traversed by a heat-transfer fluid duct (45).

IPC 8 full level

**H01M 8/04111** (2016.01); **F17C 13/00** (2006.01); **H01M 8/04007** (2016.01); **H01M 8/04029** (2016.01); **H01M 8/04082** (2016.01); **H01M 8/04746** (2016.01)

CPC (source: EP)

**F17C 13/00** (2013.01); **H01M 8/04029** (2013.01); **H01M 8/04074** (2013.01); **H01M 8/04111** (2013.01); **H01M 8/04208** (2013.01); **H01M 8/04753** (2013.01); **H01M 8/04768** (2013.01); **F17C 2221/012** (2013.01); **F17C 2223/0161** (2013.01); **F17C 2223/033** (2013.01); **F17C 2225/0123** (2013.01); **F17C 2225/036** (2013.01); **F17C 2227/0304** (2013.01); **F17C 2227/0323** (2013.01); **F17C 2227/0393** (2013.01); **F17C 2265/066** (2013.01); **F17C 2270/0168** (2013.01); **F17C 2270/0184** (2013.01); **H01M 2250/20** (2013.01)

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

DOCDB simple family (publication)

**FR 3127641 A1 20230331**; **FR 3127641 B1 20240426**; CN 117999680 A 20240507; EP 4409665 A1 20240807; WO 2023052249 A1 20230406

DOCDB simple family (application)

**FR 2110224 A 20210928**; CN 202280059815 A 20220922; EP 2022076449 W 20220922; EP 22786361 A 20220922