

Title (en)

SYSTEM FOR STORING AND DELIVERING AN AUXILIARY LIQUID TO AN INTERNAL COMBUSTION ENGINE OF A MOTOR VEHICLE OR TO PARTS OF THE INTERNAL COMBUSTION ENGINE OF THE MOTOR VEHICLE

Title (de)

SYSTEM ZUR BEVORRATUNG UND ZUFÜHRUNG EINER HILFSFLÜSSIGKEIT AN EINE BRENNKRAFTMASCHINE EINES KRAFTFAHRZEUGES ODER AN TEILE DER BRENNKRAFTMASCHINE DES KRAFTFAHRZEUGES

Title (fr)

SYSTÈME DE STOCKAGE D'UN LIQUIDE AUXILIAIRE ET D'ALIMENTATION D'UN MOTEUR À COMBUSTION INTERNE D'UN VÉHICULE AUTOMOBILE OU DE PARTIES DU MOTEUR À COMBUSTION INTERNE D'UN VÉHICULE AUTOMOBILE EN LIQUIDE AUXILIAIRE

Publication

**EP 3414435 A1 20181219 (DE)**

Application

**EP 16753296 A 20160802**

Priority

- DE 102016201944 A 20160209
- EP 2016068468 W 20160802

Abstract (en)

[origin: WO2017137099A1] The invention relates to a system and a method for operating a system for storing and delivering an auxiliary liquid to an internal combustion engine of a motor vehicle or to parts of the internal combustion engine of the motor vehicle, in particular a water injection system for the internal combustion engine of a motor vehicle, comprising a reservoir (1) for the fluid, at least one delivery pump (9) for the fluid, at least one pipe system comprising a feed line to a consumer and a return line into the reservoir (1), and means for heating the fluid.

IPC 8 full level

**F01N 13/08** (2010.01); **F01P 3/20** (2006.01)

CPC (source: EP US)

**F01N 13/08** (2013.01 - EP US); **F02B 39/00** (2013.01 - EP US); **F02B 41/00** (2013.01 - US); **F02B 47/02** (2013.01 - US); **F01N 2240/02** (2013.01 - EP US); **F01N 2240/16** (2013.01 - EP US); **F01N 2610/01** (2013.01 - EP US); **F01N 2610/02** (2013.01 - EP US); **F01N 2610/10** (2013.01 - EP US); **F01N 2610/1406** (2013.01 - EP US)

Citation (search report)

See references of WO 2017137099A1

Cited by

FR3101381A1

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

DOCDB simple family (publication)

**WO 2017137099 A1 20170817**; CN 108699941 A 20181023; CN 108699941 B 20211022; EP 3414435 A1 20181219; JP 2019511674 A 20190425; JP 6732949 B2 20200729; US 2019048793 A1 20190214

DOCDB simple family (application)

**EP 2016068468 W 20160802**; CN 201680081470 A 20160802; EP 16753296 A 20160802; JP 2018560715 A 20160802; US 201616076901 A 20160802