

Title (en)

WATER INJECTION DEVICE FOR AN INTERNAL COMBUSTION ENGINE OF A MOTOR VEHICLE

Title (de)

WASSEREINSPRITZVORRICHTUNG FÜR EINE BRENNKRAFTMASCHINE EINES KRAFTFAHRZEUGS

Title (fr)

DISPOSITIF D'INJECTION D'EAU POUR UN MOTEUR À COMBUSTION INTERNE D'UN VÉHICULE À MOTEUR

Publication

EP 3645856 A1 20200506 (DE)

Application

EP 18729078 A 20180530

Priority

- DE 102017211107 A 20170630
- EP 2018064155 W 20180530

Abstract (en)

[origin: WO2019001884A1] The invention relates to a water injection device (1) for an internal combustion engine (2) of a motor vehicle, comprising a water tank (5) for storing water, at least one water injector (6) for injecting water into the internal combustion engine (2), a conveying element (3) for conveying water from the water tank (5) to the water injector (6). The conveying element (3) is connected to the water tank (5) by means of a first line (7) and is connected to the water injector (6) by means of a second line (8). According to the invention, deionized water is provided in the water injection device (1) for injecting into the internal combustion chamber (2).

IPC 8 full level

F02M 25/022 (2006.01); **F02M 25/028** (2006.01)

CPC (source: EP KR)

F02M 25/0221 (2013.01 - EP KR); **F02M 25/0225** (2013.01 - KR); **F02M 25/0227** (2013.01 - EP KR); **F02M 25/025** (2013.01 - EP); **F02M 25/028** (2013.01 - EP KR); **Y02T 10/12** (2013.01 - EP)

Citation (search report)

See references of WO 2019001884A1

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 2019001884 A1 20190103; BR 112019027838 A2 20200707; CN 110832183 A 20200221; DE 102017211107 A1 20190103; EP 3645856 A1 20200506; KR 20200020734 A 20200226

DOCDB simple family (application)

EP 2018064155 W 20180530; BR 112019027838 A 20180530; CN 201880044226 A 20180530; DE 102017211107 A 20170630; EP 18729078 A 20180530; KR 20197038759 A 20180530