

Title (en)
WATER INJECTION DEVICE OF AN INTERNAL COMBUSTION ENGINE

Title (de)
WASSEREINSPRITZVORRICHTUNG EINER BRENNKRAFTMASCHINE

Title (fr)
DISPOSITIF D'INJECTION D'EAU D'UN MOTEUR À COMBUSTION INTERNE

Publication
EP 3642468 A1 20200429 (DE)

Application
EP 18727012 A 20180528

Priority
• DE 102017210482 A 20170622
• EP 2018063894 W 20180528

Abstract (en)
[origin: WO2018233982A1] The invention relates to a water injection device for an internal combustion engine (2) of a motor vehicle, comprising at least one water tank (5) for storing water, at least one water injector (6) for injecting the water into the internal combustion engine (2), at least one conveying element (3) for conveying water from the water tank (5) into the water injector (6). The conveying element (3) is connected to the water tank (6) 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, the water injector device (1) also comprises an accumulator (14) for storing the water, the accumulator (14) being fluidically connected to the water injector (6).

IPC 8 full level
F02M 25/022 (2006.01); **F02M 25/028** (2006.01)

CPC (source: EP)
F02M 25/022 (2013.01); **F02M 25/0221** (2013.01); **F02M 25/025** (2013.01); **F02M 25/028** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)
See references of WO 2018233982A1

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)
DE 102017210482 A1 20181227; CN 110785555 A 20200211; EP 3642468 A1 20200429; WO 2018233982 A1 20181227

DOCDB simple family (application)
DE 102017210482 A 20170622; CN 201880041954 A 20180528; EP 18727012 A 20180528; EP 2018063894 W 20180528