

Title (en)
DEVICE FOR INJECTING WATER OF AN INTERNAL COMBUSTION ENGINE AND METHOD FOR OPERATING A DEVICE OF THIS TYPE

Title (de)
VORRICHTUNG ZUM EINSPRITZEN VON WASSER EINER BRENNKRAFTMASCHINE UND VERFAHREN ZUM BETREIBEN EINER DERARTIGEN VORRICHTUNG

Title (fr)
DISPOSITIF PERMETTANT D'INJECTER DE L'EAU DANS UN MOTEUR À COMBUSTION INTERNE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN TEL DISPOSITIF

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Abstract (en)
[origin: WO2016177543A1] The present invention relates to a device for injecting water into an internal combustion engine (2), comprising: a water tank (5) for storing water; a conveying element (3) for conveying the water, wherein the conveying element (3) is connected to the water tank (5); at least one water injector (6) for injecting water, which is connected with the conveying element (5); a drive (4) for driving the conveyor element (3); and a control unit (10) which is configured to detect a power consumption of the drive (4) in order to determine a system pressure in a line region (8) between the conveying element (3) and the water injector (6). A further aspect of the present invention relates to an internal combustion engine (2) comprising a device (1) according to the invention. The invention further relates to a method for operating a device (1) according to the invention.

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