

Title (en)

DEVICE AND METHOD FOR METERING A LIQUID INTO THE EXHAUST GAS TRACT OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR EINDOSIERUNG EINER FLÜSSIGKEIT IN DEN ABGASSTRANG EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DOSAGE D'UN LIQUIDE DANS UNE LIGNE D'ÉCHAPPEMENT D'UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2011160898A1] The invention relates to a device and method for metering a liquid, in particular a fuel, into an exhaust gas tract of an internal combustion engine, wherein the device comprises at least one injection valve that can be closed by a closing member and that has cooling circuit for regulating the temperature in the injection valve, and wherein a throttle element is connected upstream of the injection valve to control, by closed loop or open loop, the quantity of a volume flow of the liquid through the injection valve, in particular through the cooling circuit of the injection valve, wherein the injection valve opens when the throttle element de-throttles the volume flow of the liquid to the injection valve.

IPC 8 full level

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