

Title (en)

METHOD FOR REGULATING A FUEL DELIVERY SYSTEM

Title (de)

VERFAHREN ZUR REGELUNG EINES KRAFTSTOFFFÖRDERSYSTEMS

Title (fr)

PROCÉDÉ POUR LA RÉGULATION D'UN SYSTÈME D'ALIMENTATION EN CARBURANT

Publication

EP 3289206 A1 20180307 (DE)

Application

EP 16718662 A 20160425

Priority

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Abstract (en)

[origin: WO2016173983A1] The invention relates to a method for regulating a fuel delivery system of an internal combustion engine in a motor vehicle, comprising a fuel delivery pump for supplying the internal combustion engine with fuel. The fuel delivery pump has a pump unit which can be driven by an electric motor. The electric motor can be actuated by means of a control signal, and the fuel delivery system is provided with a pressure sensor-free pressure monitoring capability. A target rotational speed for the electric motor is specified by the control signal, and an upper rotational speed threshold and/or a lower rotational speed threshold is specified for the target rotational speed. The upper rotational speed threshold depends on the maximum fuel requirement of the internal combustion engine, and the lower rotational speed threshold depends on the minimum fuel requirement of the internal combustion engine. The target rotational speed is ascertained using a pressure sensor-free computing method.

IPC 8 full level

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Citation (search report)

See references of WO 2016173983A1

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