Title (en)

METHOD FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE, AND A SYSTEM COMPRISING AN INTERNAL COMBUSTION ENGINE AND A CONTROL DEVICE

Title (de)

VERFAHREN ZUR STEUERUNG EINER BRENNKRAFTMASCHINE UND SYSTEM MIT EINER BRENNKRAFTMASCHINE UND EINEM STEUERGERÄT

Title (fr)

PROCÉDÉ DE COMMANDE D'UN MOTEUR À COMBUSTION INTERNE ET SYSTÈME COMPRENANT UN MOTEUR À COMBUSTION INTERNE ET UN DISPOSITIF DE COMMANDE

Publication

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Application

EP 13723467 A 20130514

Priority

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Abstract (en)

[origin: WO2014000946A1] The invention relates to a method for controlling an internal combustion engine, particularly of a motor vehicle, said internal combustion engine comprising at least one cylinder and, for the purpose of injecting fuel, having at least one first injection valve and one second injection valve per cylinder. The first injection valve comprises a first valve needle and the second injection valve comprises a second valve needle, and when the internal combustion engine is in a normal operating mode - a predetermined first fuel amount is injected by actuating the first injection valve during a first actuation period and an accompanying opening movement of said first valve needle, and - a predetermined second fuel amount is injected by actuating the second injection valve during a second actuation period and an accompanying opening movement of said second valve needle, a signal being evaluated in order to detect the opening movement and/or the closing movement and/or the position of the first and second valve needles, and this being characterised in that - in a first internal combustion engine calibration operating mode, a calibration-actuation of the first injection valve is implemented such that the motion state and/or the position of the first valve needle is detected and at the same time, the second injection valve is actuated such that a predetermined target fuel amount is injected, or - in a second internal combustion engine calibration operating mode, a calibration-actuation of the second injection valve is implemented such that at least the motion state and/or the position of the second valve needle is detected and at the same time, the first injection valve is actuated such that a predetermined target fuel amount is injected.

IPC 8 full level

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Citation (examination)

- DE 102010042852 A1 20120426 - BOSCH GMBH ROBERT [DE]
- DE 102008041406 A1 20100225 - BOSCH GMBH ROBERT [DE]
- See also references of WO 2014000946A1

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