Title (en)

METHOD, PROGRAMME AND CONTROL AND/OR REGULATING APPARATUS FOR OPERATING A DIRECT INJECTION INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN, COMPUTERPROGRAMM UND STEUER- UND/ODER REGELGERÄT ZUM BETREIBEN EINER BRENNKRAFTMASCHINE MIT DIREKTEINSPRITZUNG

Title (fr)

PROCEDE, PROGRAMME INFORMATIQUE ET APPAREIL DE COMMANDE ET / OU DE REGULATION PERMETTANT DE FAIRE FONCTIONNER UN MOTEUR A COMBUSTION INTERNE A INJECTION DIRECTE

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Application

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Abstract (en)

[origin: WO03031791A1] In an internal combustion engine, fuel is delivered by at least a fuel pump in a high pressure zone of the fuel system. From the high pressure zone of the fuel system, the fuel reaches directly at least a combustion chamber of the internal combustion engine via at least a fuel injection device. The fuel pressure (prist) in the high pressure zone (20) of the fuel system depends on the effective operating point (nmot, Md). According to the present invention, in order to optimize the behaviour of fuel consumption and exhaust gas emission of the internal combustion engine, the fuel pressure (prist) in the high pressure zone (20) of the fuel system further depends on the operating mode (B1, B2, B3) of the internal combustion engine.

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