

Title (en)

METHOD FOR OPTIMISING A HEAT ENGINE RESTART TIME BY CONTROLLING THE PRESSURE IN AN INJECTION RAIL

Title (de)

VERFAHREN ZUR OPTIMIERUNG DER WIEDERANLAUFZEIT EINER WÄRMEKRAFTMASCHINE DURCH STEUERUNG DES DRUCKS IN EINER EINSPRITZLEISTE

Title (fr)

PROCEDE D'OPTIMISATION D'UN TEMPS DE REDEMARRAGE D'UN MOTEUR THERMIQUE PAR PILOTAGE DE LA PRESSION DANS UN RAIL D'INJECTION

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Application

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Abstract (en)

[origin: WO2017182724A1] The invention relates to a method for optimising a motor vehicle heat engine restart time, the heat engine being associated with a pressurised fuel injection rail, the pressure in the injection rail necessarily being above a threshold that can be calibrated in order to authorise injection during the restart phase of the heat engine after a stoppage period of the heat engine during which the pressure in the injection rail drops from a so-called initial pressure setpoint (Cons Prail ini) at the start of the stoppage of the heat engine. The initial pressure setpoint (Cons Prail ini) is determined as a function of a difference (ΔT) between the temperatures of the injection rail (Trail) and the heat engine (Tmot), and the pressure in the injection rail when the engine is stopped is forcibly increased until reaching the initial pressure setpoint (Cons Prail ini).

IPC 8 full level

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