

Title (en)

METHOD FOR CONTROLLING A DIRECT INJECTION OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR STEUERUNG EINER DIREKTEN EINSPRITZUNG EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE COMMANDE DE L'INJECTION DIRECTE D'UN MOTEUR A COMBUSTION

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Application

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Abstract (en)

[origin: WO2004070184A1] The invention relates to a method for controlling an injection of an internal combustion engine. The invention provides that after the internal combustion engine is started, the injection and/or the ignition is carried out according to a signal of an absolute position sensor device, particularly according to an absolute position sensor of a camshaft or according to an absolute position sensor of a crankshaft and to an angular range sensor. When a synchronization signal is detected by a sensor wheel of the crankshaft, the following control processes are carried out according to the synchronization signal, i.e. according to the position of the crankshaft. The inventive method is advantageous in that immediately after the internal combustion engine is started, a relatively precise signal for controlling the injection and/or the ignition is available. This enables a more precise combustion shortly after the internal combustion engine is started.

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