

Title (en)

Method for pre-setting the reference pressure for an accumulator fuel injection system

Title (de)

Verfahren zur Vorgabe des Einspritzdruck-Sollwertes bei Speichereinspritzsystemen

Title (fr)

Méthode pour prédéterminer la référence de pression d'un système d'injection de carburant avec accumulateur

Publication

EP 0930426 B1 20031203 (DE)

Application

EP 98124810 A 19981229

Priority

DE 19800940 A 19980113

Abstract (en)

[origin: EP0930426A2] The method involves setting the pressure in the rail (18) depending on the operating states of the engine by specifying the demand pressure. Characteristic fields (10,301,302) are used for the injection pressure base value (FUPSPPLBAS) under load, during engine start-up (FUPSPST) and during idling (FUPSPIS). The output of the load-mode characteristic field is applied to the input of a first differential time element (204), whose time characteristic depends on the engine speed. The output of the first time element, the characteristic fields for the start and idle modes and the output of a characteristic field (402) for setting a base time constant are applied to the input of a second time element (401), whose output delivers the injection pressure desired value (FUPSP) for each engine operating state.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

WO2008019919A1; CN110520617A; DE10144669C1; DE102004009616A1; EP1072780A3; DE102005026441B4; EP1975030A3; DE102017211077A1; WO2014053220A1; US8096284B2

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