

Title (en)  
ELECTRONICALLY CONTROLLED FUEL INJECTION SYSTEM FOR A COMBUSTION ENGINE

Publication  
**EP 0185183 A3 19870304 (DE)**

Application  
**EP 85114108 A 19851106**

Priority  
DE 3445414 A 19841213

Abstract (en)  
[origin: US4681076A] The invention relates to an electronically controlled fuel injection system for an internal combustion engine wherein all dependency on the supply voltage for the electro-hydraulic components is compensated for and/or the pressure-regulator characteristic dependent upon the pumped quantity is compensated for. With respect to the dependency of the electric fuel pump on the supply voltage, this is accomplished by means of a correction factor for the basic injection signal. Below a specific voltage value which corresponds to the voltage required for maintaining the system pressure, this correction factor becomes progressively larger. The pressure regulator characteristic dependent upon the quantity of fuel pumped is taken into account in the correction in a corresponding manner.

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**F02D 41/3005** (2013.01 - EP US); **F02D 2200/503** (2013.01 - EP US)

Citation (search report)  
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• [A] US 4445483 A 19840501 - HASEGAWA SHUMPEI [JP]  
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• [A] PATENTS ABSTRACTS OF JAPAN, Band 7, Nr. 110 (M-214)[1255], 13. Mai 1983; & JP-A-58 030 422 (MITSUBISHI DENKI K.K.) 22-02-1983

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