

Title (en)

Pre-controlling process of a variable lift fuel pump in an Internal combustion engine

Title (de)

Verfahren zum Vorsteuern einer Hub Kolben Kraftstoffpumpe einer Brennkraftmaschine

Title (fr)

Procédé de pré réglage de la pompe à carburante à course de piston variable d'un moteur à combustion

Publication

EP 1529948 A3 20060906 (DE)

Application

EP 04021981 A 20040916

Priority

DE 10351914 A 20031107

Abstract (en)

[origin: EP1529948A2] Process for pre-controlling a reciprocating fuel pump of a vehicle comprises from the starting values determining the fuel volume removal from a high pressure rail by the injection valve per stroke of the pump, determining the fuel volume necessary for a change of theoretical pressure in the high pressure rail per stroke of the pump, and determining the volume loss by a non-optimum degree of delivery based on the formation of steam bubbles in the fuel. Preferred Features: The reciprocating pump is driven by a camshaft of an internal combustion engine.

IPC 8 full level

F02D 41/38 (2006.01); **F02M 59/10** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)

F02D 41/3845 (2013.01); **F02M 63/0225** (2013.01); **F02M 63/028** (2013.01); **F02D 2041/141** (2013.01); **F02D 2250/02** (2013.01)

Citation (search report)

- [A] DE 10236654 A1 20030724 - MITSUBISHI ELECTRIC CORP [JP]
- [A] US 6446610 B1 20020910 - MAZET HENRI [FR]
- [A] DE 10158950 A1 20030626 - BOSCH GMBH ROBERT [DE]
- [A] EP 0936352 A2 19990818 - TOYOTA MOTOR CO LTD [JP]

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CN113339152A

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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