

Title (en)

Method and apparatus for the regulation of a pressure value of a combustion engine

Title (de)

Verfahren und Vorrichtung zur Regelung einer Druckgrösse einer Brennkraftmaschine

Title (fr)

Procédé et dispositif pour la régulation d'une valeur de pression d'un moteur à combustion interne

Publication

EP 1403494 B1 20051026 (DE)

Application

EP 03015720 A 20030710

Priority

DE 10245268 A 20020927

Abstract (en)

[origin: EP1403494A1] The regulation method has a setting value for regulation of the rail pressure obtained by comparing the actual rail pressure (P) with the required rail pressure (S) and used for adjusting a setting element controlling the feed quantity of a high pressure pump (125). A correction value is for the setting value is provided in a given operating condition via a differential element (260) receiving an engine operating parameter, e.g. the engine revs. An Independent claim for a rail pressure regulation device for an IC engine is also included.

IPC 1-7

F02D 41/38

IPC 8 full level

F02M 47/00 (2006.01); **F02D 41/04** (2006.01); **F02D 41/38** (2006.01); **F02D 45/00** (2006.01); **F02M 51/00** (2006.01); **F02M 55/02** (2006.01); **F02M 59/20** (2006.01)

CPC (source: EP)

F02D 41/3836 (2013.01); **F02D 41/3845** (2013.01); **F02D 41/3863** (2013.01); **F02D 2041/1409** (2013.01); **F02D 2250/31** (2013.01)

Cited by

EP2172634A3; EP2588734A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1403494 A1 20040331; **EP 1403494 B1 20051026**; DE 10245268 A1 20040408; DE 50301474 D1 20051201; JP 2004116527 A 20040415

DOCDB simple family (application)

EP 03015720 A 20030710; DE 10245268 A 20020927; DE 50301474 T 20030710; JP 2003333197 A 20030925