

Title (en)
Method for controlling a combustion machine

Title (de)
Verfahren zur Steuerung einer Brennkraftmaschine

Title (fr)
Procédé de commande d'un moteur à combustion interne

Publication
EP 1884646 A3 20130807 (DE)

Application
EP 07012743 A 20070629

Priority
DE 102006034514 A 20060726

Abstract (en)
[origin: EP1884646A2] The method involves computing a fuel mass from a measured fuel-pressure curve using a common-rail system, with which the mass is set as representation for controlling injection. A pressure curve (PE) of a single memory (7) is measured and a modeled pressure curve is reproduced to the curve by a hydraulic model, where the mass is computed from a hydraulic model. Deviations from the curve of the memory are computed for the modeled pressure curve and model parameters are adjusted until the deviations are smaller than a threshold value.

IPC 8 full level
F02D 41/38 (2006.01); **F02D 41/00** (2006.01)

CPC (source: EP US)
F02D 41/0085 (2013.01 - EP US); **F02D 41/3836** (2013.01 - EP US); **F02D 2200/0602** (2013.01 - EP US); **F02D 2200/0616** (2013.01 - EP US)

Citation (search report)

- [A] DE 19740608 A1 19990318 - DAIMLER BENZ AG [DE]
- [A] GB 2098334 A 19821117 - BOSCH GMBH ROBERT
- [A] EP 0742361 A2 19961113 - BOSCH GMBH ROBERT [DE]
- [A] WO 2005031138 A1 20050407 - MTU FRIEDRICHSHAFEN GMBH [DE], et al
- [A] US 2003121501 A1 20030703 - BARNES TRAVIS E [US], et al

Cited by
CN105308298A; CN105612334A; EP2221465A1; FR2942506A1; US10107223B2; US11203960B2; WO2014198388A1; WO2019042787A1; WO2015022057A1

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