

Title (en)

Method of operating a combustion engine

Title (de)

Verfahren für den Betrieb eines Verbrennungsmotors

Title (fr)

Procédé de fonctionnement d'un moteur à combustion

Publication

EP 2754876 A1 20140716 (EN)

Application

EP 13151317 A 20130115

Priority

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Abstract (en)

A method of operating a combustion engine is described. The combustion engine comprises a cylinder, a piston, an injection valve and a pressure sensor, wherein the cylinder and the piston delimit a combustion chamber. The method comprises injecting fuel with the injection valve into the combustion chamber according to an injection signal (TI) and measuring a pressure signal (P) in the combustion chamber with the pressure sensor. The method comprises the further steps of: determining an actual value (Va1) of a heat release rate peak (HRRP1) depending on the pressure signal (P), determining a difference between the actual value and a corresponding nominal value, and adapting the injection signal (TI) depending on the difference.

IPC 8 full level

F02D 35/02 (2006.01)

CPC (source: EP)

F02D 35/023 (2013.01); **F02D 41/403** (2013.01)

Citation (search report)

- [X] EP 1593824 A2 20051109 - DENSO CORP [JP]
- [X] DE 102007061225 A1 20090625 - BOSCH GMBH ROBERT [DE]
- [X] US 2008162017 A1 20080703 - NAGATA TETSUJI [JP], et al
- [X] EP 1936156 A1 20080625 - DELPHI TECH INC [US]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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