

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 2754878 A1 20140716 (EN)

Application

EP 13151336 A 20130115

Priority

EP 13151336 A 20130115

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 energizing time (ET), measuring a pressure signal in the combustion chamber with the pressure sensor, determining a first course (51) of a value (Vb1) of an integrated heat release plateau depending on the pressure signal for several energizing times (ET), determining a second course (52) of the value (Vb1) for several energizing times (ET) after a given running time of the combustion engine, evaluating a first and a second offset point (OP1, OP2) of the first and the second course (51, 52), and evaluating a corrected energizing time (ETcorr) depending on the first and the second offset point (OP1, OP2).

IPC 8 full level

F02D 41/24 (2006.01); **F02D 35/02** (2006.01)

CPC (source: EP)

F02D 35/023 (2013.01); **F02D 41/247** (2013.01)

Citation (search report)

- [XY] US 2005121000 A1 20050609 - VERMONET CLAIRE [FR], et al
- [Y] US 7219005 B2 20070515 - MAZET HENRI [FR]
- [A] US 2010089362 A1 20100415 - HASKARA IBRAHIM [US], et al
- [A] FR 2846373 A1 20040430 - PEUGEOT CITROEN AUTOMOBILES SA [FR], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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