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 2772631 A1 20140903 (EN)

Application
    EP 13157358 A 20130301

Priority
    EP 13157358 A 20130301

Abstract (en)
    A method of operating a combustion engine is specified. 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, and wherein the method comprises injecting fuel with the injection valve
    into the combustion chamber in a load condition of the combustion engine and measuring a pressure signal in the combustion chamber with the
    pressure sensor. It is determined (32) during the load condition a value of an integral net heat release of the load condition corresponding to an
    actual angle of the combustion engine and depending on the pressure signal. It is retrieved (34) during the load condition a value of an integral net
    heat release of an overrun condition of the combustion engine corresponding to the actual angle. And it is determined (36) during the load condition
    a value of an integral gross heat release of the load condition corresponding to the actual angle depending on the value of the integral net heat
    release of the overrun condition and the value of the integral net heat release in the load condition.

IPC 8 full level
    F02D 35/02 (2006.01)

CPC (source: EP)
    F02D 35/023 (2013.01); F02D 35/028 (2013.01)

Citation (applicant)
- US 2010121555 A1 20100513 - FISCHER WOLFGANG [DE], et al
- PISCHINGER; KRAF3NIG; TAUCAR; SAMS: "Thermodynamik der Verbrennungskraftmaschine", 1989, SPRINGER

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Designated contracting state (EPC)
    AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
    BA ME

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