

Title (en)  
ENGINE CONTROL METHOD AND ENGINE CONTROL DEVICE

Title (de)  
MOTORSTEUERUNGSVERFAHREN UND MOTORSTEUERUNGSVORRICHTUNG

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE COMMANDE DE MOTEUR

Publication  
**EP 3371436 A1 20180912 (EN)**

Application  
**EP 15791577 A 20151105**

Priority  
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Abstract (en)  
[origin: WO2017076450A1] The present invention relates to an engine control method to be used for detecting misfire in an internal combustion engine having at least one pressure sensor for in-cylinder pressure detection, and an electronic control unit, wherein the method comprises the following steps: i) detecting an in-cylinder pressure, ii) determining an engine crank position, iii) calculating temperature index based on measured in-cylinder pressure and a cylinder volume as a function of measured engine position via the ideal gas law by the electronic control unit; and iv) determining from calculated temperature index within the current expansion stroke of the internal combustion engine whether or not a combustion event takes place in the current expansion stroke.

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Citation (examination)  
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