

Title (en)  
Method for determining oil dilution

Title (de)  
Verfahren zur Bestimmung einer Ölverdünnung

Title (fr)  
Procédé pour déterminer une dilution d'huile

Publication  
**EP 2123868 A1 20091125 (EN)**

Application  
**EP 08156729 A 20080522**

Priority  
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Abstract (en)  
The invention relates to a method for determining the need for an oil change due to oil dilution of the engine oil in an internal combustion engine, which engine is provided with an electronic control unit. The method involves performing the steps of determining a plurality of engine parameters indicative of soot formation; determining the occurrence of a late fuel injection; determining a fuel volume injected after a threshold value; adding the volume of fuel injected after the threshold value to a counter; and triggering an output signal when an accumulated volume of injected fuel exceeds a predetermined amount.

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Citation (applicant)  
US 5750887 A 19980512 - SCHRICKER DAVID R [US]

Citation (search report)  
• [XY] EP 1241326 A2 20020918 - ISUZU MOTORS LTD [JP]  
• [X] DE 102004033413 A1 20060202 - BOSCH GMBH ROBERT [DE]  
• [X] FR 2862087 A1 20050513 - RENAULT SAS [FR]  
• [Y] JP 2004137953 A 20040513 - NISSAN MOTOR  
• [A] US 2002007817 A1 20020124 - UEDA KATSUNORI [JP], et al  
• [A] US 2006016429 A1 20060126 - MASHIKI ZENICHIRO [JP]

Cited by  
CN111255542A; CN114135363A; GB2571095A; GB2571095B; US9470173B2

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