

Title (en)

Device and method for determining the wear of an ignition plug in a combustion engine

Title (de)

Vorrichtung und Verfahren zur Bestimmung des Verschleiß einer Zündkerze einer Brennkraftmaschine

Title (fr)

Appareil et méthode de détermination de l'usure d'une bougie dans un moteur thermique

Publication

EP 1835172 A3 20141217 (DE)

Application

EP 07102061 A 20070209

Priority

DE 102006011886 A 20060315

Abstract (en)

[origin: EP1835172A2] The device (1) determines an actual wear of a spark plug (2) during continuous operation of an internal-combustion engine (3) based on operating movements of a load (L), number of revolutions (N) and sparking energy of the engine, where the actual wear is added to a total wear condition of the plug. A material removal of a spark plug electrode (6) per spark is determined. An independent claim is also included for a method for determination of wear of a spark plug of an internal combustion engine.

IPC 8 full level

F02P 3/05 (2006.01); **F02P 17/10** (2006.01); **F02P 17/12** (2006.01)

CPC (source: EP)

F02P 3/053 (2013.01); **F02P 17/10** (2013.01); **F02P 17/12** (2013.01); **H01T 13/58** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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