

Title (en)

METHOD FOR DETERMINING A DEFECT IN A SPARK PLUG OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR BESTIMMUNG EINES DEFEKTS IN EINER ZÜNDKERZE EINES VERBRENNUNGSMOTORS

Title (fr)

PROCÉDÉ DE DÉTERMINATION D'UN DÉFAUT DANS UNE BOUGIE D'ALLUMAGE D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 3276156 A1 20180131 (EN)**

Application

**EP 16181892 A 20160729**

Priority

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Abstract (en)

In a method for determining a defect in a spark plug (12) associated with a cylinder (26) of a spark-ignited internal combustion engine (10), an ignition delay from starting a supply of current to a primary winding (16) of an ignition coil (14) associated with the spark plug (12) to reaching a maximum value of the supplied current is determined. When the ignition delay is above a threshold defined in advance for the spark plug (12), it is determined that the spark plug (12) is defective or approaches the end of its service life and should be replaced. A corresponding indication is output to an operator of the internal combustion engine (10) to allow for scheduling a downtime of the engine for exchanging the spark plug (12).

IPC 8 full level

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CPC (source: EP)

**F02P 17/12** (2013.01); **H01T 13/58** (2013.01); **F02P 3/00** (2013.01)

Citation (search report)

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