

Title (en)

Detecting misfiring in spark ignition engines.

Title (de)

Einrichtung zur Erkennung von Zündaussetzern bei fremdgezündeten Brennkraftmaschinen.

Title (fr)

Détection d'un défaut d'allumage dans les moteurs à allumage par étincelles.

Publication

**EP 0344349 A1 19891206 (EN)**

Application

**EP 88108869 A 19880603**

Priority

EP 88108869 A 19880603

Abstract (en)

Misfiring in internal combustion engines is detected by detecting the voltage induced in the primary winding of the ignition coil, and comparing it to a reference voltage which represents normal firing. The reference voltage preferably has a predetermined magnitude and a predetermined duration and the detected and reference voltage are compared so as to detect when the magnitude of the detected voltage falls below the predetermined magnitude before the end of the duration.

IPC 1-7

**F02P 11/06**; **F02P 17/00**

IPC 8 full level

**F02P 11/06** (2006.01); **F02P 17/12** (2006.01)

CPC (source: EP)

**F02P 11/06** (2013.01); **F02P 17/12** (2013.01)

Citation (search report)

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- [A] US 4454560 A 19840612 - NAKAO SATOSHI [JP], et al
- [A] EP 0020069 A1 19801210 - LUCAS IND PLC [GB]
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- [A] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 139 (M-387)[1862], 14th June 1985; & JP-A-60 19 962 (NIPPON DENSO K.K.) 01-02-1985

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