

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 B1 19941207 (EN)**

Application

**EP 88108869 A 19880603**

Priority

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Abstract (en)

[origin: EP0344349A1] 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)

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Cited by

EP0408916A3; EP1388869A3; CN1060553C; DE19524499B4; RU2474723C2; EP0825343A1; FR2752598A1; DE4116642C2; DE4437480C1; US5619975A; DE4035957A1; US5201293A; FR2680833A1; EP0559540A1; FR2688272A1; EP0529281A3; US5438268A; EP0389775A3; EP0766004A3

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