

Title (en)

INTERNAL COMBUSTION ENGINE IGNITION SYSTEM MONITORING DEVICE

Title (de)

VORRICHTUNG ZUR ÜBERWACHUNG DES ZÜNDSYSTEMS EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF DE SURVEILLANCE DU SYSTEME D'ALLUMAGE D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 0866917 A2 19980930 (FR)

Application

EP 96942402 A 19961213

Priority

- FR 9601998 W 19961213
- FR 9514936 A 19951215

Abstract (en)

[origin: WO9722803A2] An internal combustion engine ignition system monitoring device including a measuring circuit for measuring the gas ionisation current in the cylinders. The circuit is connected to the secondary winding (L2) of the coil in parallel with the spark plug (3), and consists of a capacitor (6) that is charged when the ignition intake arrives and discharged when the spark stops, by two series of diodes (D1, D2) arranged head-to-tail, a current-limiting resistor (R), isolating means (9) between the coil and the spark plug, and an electronic ionisation signal processing system for sensing ignition control, the continuity of the ignition system, the charge of the measuring circuit, combustion, the presence of controlled aerodynamics or breakage of a spark plug.

IPC 1-7

F02P 17/12; **F02P 17/04**

IPC 8 full level

F02P 17/04 (2006.01); **F02P 17/12** (2006.01)

CPC (source: EP)

F02P 17/04 (2013.01); **F02P 17/12** (2013.01); **F02P 2017/125** (2013.01)

Citation (search report)

See references of WO 9722803A2

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

WO 9722803 A2 19970626; **WO 9722803 A3 19970904**; EP 0866917 A2 19980930; FR 2742486 A1 19970620; FR 2742486 B1 19980123

DOCDB simple family (application)

FR 9601998 W 19961213; EP 96942402 A 19961213; FR 9514936 A 19951215