

Title (en)

Apparatus for diagnosing a spark ignition engine

Title (de)

Vorrichtung zur Diagnose einer fremdgezündeten Brennkraftmaschine

Title (fr)

Dispositif pour le diagnostic d'un moteur à allumage commandé

Publication

**EP 1236891 A3 20050406 (DE)**

Application

**EP 02004575 A 20020228**

Priority

DE 10110047 A 20010302

Abstract (en)

[origin: EP1236891A2] The diagnosis circuit is for a motor vehicle engine ignition. Each cylinder has a spark plug connected via a potential cut off diode (20) connected with the secondary winding (14) of the ignition coil (12). The voltage (UZ) applied to the plug is compared to a preset value (US) by a comparator (30). The switching signal (UK) is evaluated as a signal fed to the fuel injector adjacent to the plug. The spark position is compared to a preset crankshaft rotational position.

IPC 1-7

**F02P 17/12**

IPC 8 full level

**F02P 17/12** (2006.01)

CPC (source: EP)

**F02P 17/12** (2013.01); **F02P 2017/006** (2013.01); **F02P 2017/121** (2013.01)

Citation (search report)

- [DA] DE 4236878 A1 19940505 - BOSCH GMBH ROBERT [DE]
- [DA] DE 4207140 A1 19920910 - HONDA MOTOR CO LTD [JP]
- [A] US 5495757 A 19960305 - ATANASYAN ALAIN A [FR], et al
- [A] US 6032650 A 20000307 - RASK PATRIK [SE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13 5 February 2001 (2001-02-05)

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1236891 A2 20020904; EP 1236891 A3 20050406; EP 1236891 B1 20060621**; DE 10110047 A1 20020905; DE 50207241 D1 20060803

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