

Title (en)

IGNITION DEVICE FOR INTERNAL COMBUSTION ENGINE

Title (de)

ZÜNDVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

DISPOSITIF D'ALLUMAGE POUR MOTEUR A COMBUSTION INTERNE

Publication

EP 1939435 A4 20091125 (EN)

Application

EP 06811530 A 20061010

Priority

- JP 2006320218 W 20061010
- JP 2005302243 A 20051017

Abstract (en)

[origin: EP1939435A1] An ignition apparatus which allows for an accurate diagnosis of a spark plug in an internal combustion engine provided with plural spark plugs for each cylinder is provided for an internal combustion engine. The ignition apparatus is for an internal combustion engine provided with plural spark plugs for each cylinder, and includes an input port which receives fail signals (S3, S4) generated corresponding to each of the plural spark plugs for diagnosis of the spark plugs. An input timing of the fail signal to the input port is made different for each of the plural fail signals. Ignition timings (S1, S2) of the plural spark plugs are set to different times.

IPC 8 full level

F02D 45/00 (2006.01); **F02P 15/08** (2006.01); **F02P 17/12** (2006.01)

CPC (source: EP)

F02P 15/02 (2013.01); **F02P 15/08** (2013.01); **F02P 17/12** (2013.01)

Citation (search report)

- [X] US 6559647 B1 20030506 - BIDNER DAVID KARL [US], et al
- [A] GB 2319096 A 19980513 - DAIMLER BENZ AG [DE]
- See references of WO 2007046270A1

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 1939435 A1 20080702; **EP 1939435 A4 20091125**; **EP 1939435 B1 20111123**; JP 2007107509 A 20070426; JP 4466533 B2 20100526; WO 2007046270 A1 20070426

DOCDB simple family (application)

EP 06811530 A 20061010; JP 2005302243 A 20051017; JP 2006320218 W 20061010