

Title (en)

Electronic ignition control device for internal combustion engines of motor vehicles

Title (de)

Vorrichtung zur elektronischen Zündsteuerung bei Brennkraftmaschinen in Kraftfahrzeugen

Title (fr)

Dispositif électronique de commande d'allumage pour moteurs à combustion interne des véhicules automobiles

Publication

EP 0770777 A3 19990113 (DE)

Application

EP 96114534 A 19960911

Priority

DE 19540349 A 19951028

Abstract (en)

[origin: EP0770777A2] The ignition current is supplied through a high-voltage (HV) distributor (1) to the four cylinders (Z1-Z4) of a four-stroke engine. A misfire detector (F) identifies the cylinder (Z1) which should have been fired at top dead centre (OT), and permits identification of the cylinder (Z3) needing to be fired next after about 180 deg. O in the first of the two crankshaft revolutions. The particular cylinder can be chosen at random from the beginning so that cylinder identification can be performed without provoking any misfire. When a misfire is detected in any cylinder, that cylinder is accepted as the particular one.

IPC 1-7

F02P 7/03

IPC 8 full level

F02D 41/34 (2006.01); **F02P 7/077** (2006.01); **F02P 15/00** (2006.01); **F02P 17/04** (2006.01)

CPC (source: EP)

F02D 41/009 (2013.01); **F02P 7/0775** (2013.01); **F02P 15/008** (2013.01); **F02P 17/04** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 489 (M - 888) 7 November 1989 (1989-11-07)

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Designated contracting state (EPC)

DE ES FR GB IT SE

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EP 96114534 A 19960911; DE 19540349 A 19951028