

Title (en)

Engine phase detection device for an engine with simultaneous ignition in cylinder pairs, especially for automobiles

Title (de)

Vorrichtung zur Erkennung der Phase des Motorzyklus für einen Motor mit gleichzeitiger Zündung in Zylinderpaaren, insbesondere für Automobile

Title (fr)

Dispositif de détection de la phase de fonctionnement d'un moteur à allumage simultané par paires de cylindre, notamment pour véhicule automobile

Publication

EP 0736688 B1 19990623 (FR)

Application

EP 96400705 A 19960401

Priority

FR 9504051 A 19950405

Abstract (en)

[origin: EP0736688A2] The operational phase detector is for an engine having pairs of cylinders, the mixture in each pair of cylinders being ignited by means of sparking plugs (B1,B4) connected to the respective ends of the centre-tapped secondary winding (1) of an ignition coil (2). The primary winding (3) is connected to a power supply controlled by an engine operation calculator incorporating e.g. a bipolar transistor (4). The alternately positive and negative voltage (Vpm) at the centre tap is applied to a signal detector and shaper comprising a current-limiting resistor (5) and a Zener diode (6). The voltage (Vz) across the Zener represents a pulse for each spark generated in the cylinder concerned.

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F02P 15/08

IPC 8 full level

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CPC (source: EP)

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