

Title (en)

Spark survey in spark ignition engine.

Title (de)

Verfahren und Vorrichtung zur Zündüberwachung einer Zündanlage.

Title (fr)

Dispositif de surveillance de l'étincelle dans une installation d'allumage.

Publication

EP 0502549 B1 19951102 (DE)

Application

EP 92103903 A 19920306

Priority

DE 4107335 A 19910307

Abstract (en)

[origin: EP0502549A2] Method and device for monitoring ignition in an ignition system. The ignition system comprises a storage inductor (LO) in which the energy required for producing an ignition spark is stored, and an ignition coil (ZSPO) to which this energy is transmitted at the ignition time. In order to detect whether an ignition spark is produced, i.e. in order to obtain direct information on the loading of the ignition coil (ZSPO), and to detect whether the ignition coil is short-circuited or not, the two voltage increases (U20, U21) on both sides of the storage choke (LO) and the supply voltage (UB) are tapped off and the voltage differences (U21-U20 and U20-UB) are evaluated, i.e. connected after the logic AND function. The absence of at least one of these voltage differential signals is evaluated as a fault in the ignition system. <IMAGE>

IPC 1-7

F02P 17/00; F02P 11/06; F02P 3/04

IPC 8 full level

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CPC (source: EP)

F02P 3/0435 (2013.01); **F02P 11/06** (2013.01); **F02P 17/12** (2013.01)

Cited by

US5896848A; GB2325988A; EP0882886A3; EP0740073A1; US5735254A; WO9718391A1

Designated contracting state (EPC)

DE ES FR IT SE

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