Title (en)

IGNITION SYSTEM FOR SPARK-IGNITION ENGINE

Title (de)

ZÜNDANLAGE FÜR EINEN OTTOMOTOR

Title (fr)

SYSTEME D'ALLUMAGE POUR UN MOTEUR A ALLUMAGE COMMANDE

Publication

EP 0640181 B1 20000524 (DE)

Application

EP 94901784 A 19931018

Priority

- DE 4235204 A 19921019
- EP 9302868 W 19931018

Abstract (en)

[origin: DE4235204A1] An ignition system for a spark-ignition engine (13) has an intermediate layer (10) between a cylinder block (12) and a cylinder head (11) which serves as a cylinder head gasket. The intermediate plate (10) carries at the inner edge of each drilled hole (14,...) at least two electrode pairs (15, 16...) to which an ignition voltage pulse generating device (26) applies a high-voltage energy through feed lines (19, 20...) laid in the intermediate layer. Diodes (27, 28...) in the feed lines (19, 20...) are used for equalizing the high-voltage energy fed to all the electrode pairs (15, 16...) of a cylinder.

IPC 1-7

F02P 15/08; F02F 1/24; F02F 11/00; F02P 15/02

IPC 8 full level

F02F 1/24 (2006.01); **F02F 11/00** (2006.01); **F02P 15/02** (2006.01); **F02P 15/08** (2006.01); F02B 1/04 (2006.01)

CPC (source: EP)

F02F 11/002 (2013.01); **F02P 15/02** (2013.01); **F02P 15/08** (2013.01); F02B 1/04 (2013.01)

Citation (examination)

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Designated contracting state (EPC)

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DE 4235204 A1 19940421; AT 193354 T 20000615; DE 59310048 D1 20000629; EP 0640181 A1 19950301; EP 0640181 B1 20000524; ES 2148311 T3 20001016; PT 640181 E 20001130; WO 9409271 A2 19940428; WO 9409271 A3 19940609

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