

Title (en)

Alternative current ignition system for combustion engines with control of the ignition energy.

Title (de)

Wechselstromzündsystem für Verbrennungskraftmaschinen mit Regelung der Zündenergie.

Title (fr)

Système d'allumage à courant alternatif pour un moteur à combustion avec réglage de l'énergie d'allumage.

Publication

**EP 0596471 A3 19950222 (DE)**

Application

**EP 93117813 A 19931103**

Priority

- DE 4237271 A 19921104
- US 43437895 A 19950503

Abstract (en)

[origin: EP0596471A2] An ignition system which operates with alternating current is described, in which system a computer, in which a motor-specific characteristic field diagram is stored and which is fed operating parameters via sensors, controls the duration of the alternating ignition current and the ignition coil energy. <IMAGE>

IPC 1-7

**F02P 15/10**; **F02P 3/05**

IPC 8 full level

**F02P 3/045** (2006.01); **F02P 9/00** (2006.01); **F02P 15/10** (2006.01); **F02P 17/00** (2006.01)

CPC (source: EP US)

**F02P 3/0456** (2013.01 - EP US); **F02P 9/002** (2013.01 - EP US); **F02P 15/10** (2013.01 - EP US); **F02P 17/00** (2013.01 - EP US)

Citation (search report)

- [A] US 3945362 A 19760323 - NEUMAN JOHN G, et al
- [A] EP 0457383 A2 19911121 - GEN MOTORS CORP [US]
- [DA] DE 3928726 A1 19910307 - VOGT ELECTRONIC AG [DE]
- [A] EP 0281528 A1 19880907 - MARELLI AUTRONICA [IT]
- [A] EP 0229643 A2 19870722 - ATLAS FAHRZEUGTECHNIK GMBH [DE]
- [A] NEUMAN ET AL: "SAE 750348: PROGRAMMABLE ENERGY IGNITION SYSTEM FOR ENGINE OPTIMIZATION", SAE TRANSACTIONS, vol. 84, no. 2, 1975, NEW YORK US, pages 847 - 855

Cited by

EP0674102B1; EP0640761B2

Designated contracting state (EPC)

BE DE FR GB IT LU NL

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**DE 4237271 A1 19940505**; EP 0596471 A2 19940511; EP 0596471 A3 19950222; US 5505175 A 19960409

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