

Title (en)

Apparatus for producing spark ignition of an internal combustion engine.

Title (de)

Apparat zur Erzeugung des Zündfunkens bei einer Brennkraftmaschine.

Title (fr)

Appareil pour produire l'étincelle d'allumage pour moteur à combustion interne.

Publication

**EP 0028899 A1 19810520 (EN)**

Application

**EP 80303805 A 19801027**

Priority

GB 7938550 A 19791107

Abstract (en)

The appts. comprises a spark pulse generating system for applying an initial pulse to the spark plug in an IC engine cylinder. It includes an ignition coil with controlled current flow into the primary and an engine driven spark timing control. Additionally, a dc to dc generator produces a continuous output voltage to sustain the sparks. It is designed to provide a constant voltage over a wide current range and has an added overcurrent trip facility.. The ignition system is for motor vehicles and is designed to give improved performance with lean basis engines. It also reduces spark erosion of the plugs. The IC engine also includes an EGR system responsive to the strength of the fuel mixture and engine temp.

IPC 1-7

**F02P 3/08**; **F02P 3/00**

IPC 8 full level

**F02P 3/00** (2006.01); **F02P 3/08** (2006.01); **F02P 9/00** (2006.01); **F02P 17/12** (2006.01)

CPC (source: EP)

**F02P 9/007** (2013.01); **F02P 17/12** (2013.01)

Citation (search report)

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- FR 2149929 A5 19730330 - BOSCH GMBH ROBERT [DE]
- US 3983461 A 19760928 - JORDAN RICHARD JAMES
- US 3921606 A 19751125 - HABERT ROGER

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0028899 A1 19810520**; AU 6387080 A 19810514; BR 8007189 A 19810512; CA 1161101 A 19840124; DD 154232 A5 19820303; DK 467080 A 19810508; FI 803441 L 19810508; GR 72122 B 19830916; IL 61398 A0 19801231; JP S56124672 A 19810930; NO 803241 L 19810508; PL 227702 A1 19810807; PT 72024 A 19801201; PT 72024 B 19811217; ZA 806767 B 19811028

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**EP 80303805 A 19801027**; AU 6387080 A 19801030; BR 8007189 A 19801106; CA 364090 A 19801106; DD 22506080 A 19801107; DK 467080 A 19801104; FI 803441 A 19801104; GR 800163287 A 19801105; IL 6139880 A 19801103; JP 15603680 A 19801107; NO 803241 A 19801030; PL 22770280 A 19801106; PT 7202480 A 19801106; ZA 806767 A 19801103