

Title (en)

Alternating current ignition with optimized electronic circuit.

Title (de)

Wechselstromzündung mit optimierter elektronischer Schaltung.

Title (fr)

Dispositif d'allumage à courant alternatif avec un circuit électronique optimisé.

Publication

EP 0674102 A3 19960110 (DE)

Application

EP 95102930 A 19950302

Priority

DE 4409984 A 19940323

Abstract (en)

[origin: EP0674102A2] The ignition system has at least one ignition end stage (Z) with an ignition coil (Tr), having primary and secondary windings, a transistor (T), in series with the primary winding and a capacitor (C) forming an oscillation circuit with the primary winding. An energy recovery diode (D) is connected across the transistor, with the current through the diode acting as the trigger signal for switching in the transistor. Pref. the current through the diode is detected by a series resistance (R2), with a clamping circuit (2) limiting the voltage for the switching transistor, provided by a voltage divider and a comparator, with its output coupled to the transistor control electrode.

IPC 1-7

F02P 15/10

IPC 8 full level

F02P 3/04 (2006.01); **F02P 3/055** (2006.01); **F02P 15/10** (2006.01); **H03K 17/73** (2006.01)

CPC (source: EP US)

F02P 3/0552 (2013.01 - EP US); **F02P 15/10** (2013.01 - EP US)

Citation (search report)

- [E] DE 4409985 A1 19950928 - DAUG DEUTSCHE AUTOMOBILGESELLS [DE]
- [PA] DE 4237271 A1 19940505 - VOGT ELECTRONIC AG [DE]
- [A] EP 0034787 A1 19810902 - SIEMENS AG [DE]
- [A] EP 0070572 A1 19830126 - SIEMENS AG [DE]

Cited by

FR2988233A1; DE19700179C2; AT518968A1; AT518968B1; US10995725B2

Designated contracting state (EPC)

DE ES FR GB NL SE

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 95102930 A 19950302; DE 4409984 A 19940323; DE 59500964 T 19950302; ES 95102930 T 19950302; JP 9936895 A 19950322; US 40804095 A 19950321