

Title (en)

DEVICE FOR SUPPRESSING UNDESIRED IGNITIONS IN A SPARK IGNITION ENGINE

Title (de)

VORRICHTUNG ZUR UNTERDRÜCKUNG UNERWÜNSCHTER ZÜNDUNGEN BEI EINEM OTTOMOTOR

Title (fr)

DISPOSITIF DE SUPPRESSION D'ALLUMAGES PARASITES DANS UN MOTEUR A ESSENCE

Publication

**EP 1017940 A2 20000712 (DE)**

Application

**EP 98958159 A 19980923**

Priority

- DE 9802830 W 19980923
- DE 19741963 A 19970923

Abstract (en)

[origin: DE19741963C1] The device has an ignition coil (7), with its primary winding (7a) arranged in series with an ignition switch (6), switched by a control circuit (1), between the positive terminal and negative terminal of an on-board voltage source (9). The secondary winding (7b) of the coil is connected to at least one spark plug (8). The device also has a series circuit of a capacitor (4), and a resistor (2) connected to the negative terminal (GND) of the voltage source, as well as to a diode (3). The gate (G) of the IGBT-type ignition switch (6) is connected to the control circuit (1) via a first resistor (2). The capacitor (4) is connected on one side with the collector terminal (C) of the ignition switch. The second resistor (5) connected in series is connected to the negative terminal (GND) of the voltage source (9). A diode (3) which conducts current away from the gate (G) is arranged between the gate and the connection point between the capacitor and the resistor.

IPC 1-7

**F02P 11/02; F02P 3/045**

IPC 8 full level

**F02P 3/04** (2006.01)

CPC (source: EP US)

**F02P 3/0435** (2013.01 - EP US)

Citation (search report)

See references of WO 9915788A2

Designated contracting state (EPC)

FR IT

DOCDB simple family (publication)

**DE 19741963 C1 19990311**; EP 1017940 A2 20000712; KR 100342337 B1 20020702; KR 20010030686 A 20010416; US 6257216 B1 20010710; WO 9915788 A2 19990401; WO 9915788 A3 19990520

DOCDB simple family (application)

**DE 19741963 A 19970923**; DE 9802830 W 19980923; EP 98958159 A 19980923; KR 20007003107 A 20000323; US 53375800 A 20000323