

Title (en)  
Ignition system for internal combustion engines

Title (de)  
Zündsystem für innere Brennkraftmaschine

Title (fr)  
Système d'allumage pour moteur à combustion interne

Publication  
**EP 0766003 A2 19970402 (EN)**

Application  
**EP 96420302 A 19960924**

Priority  
JP 25420395 A 19950929

Abstract (en)  
An ignition control apparatus comprises: an overvoltage protection circuit (10) having a thyristor (11) connected to an input terminal (B), for preventing an overvoltage from passing to subsequent circuits by shutting off the thyristor (11) when an overvoltage is input thereto; a DC-DC converter (20A) having a field effect transistor (22) and a gate drive circuit (23A) for driving the gate thereof, connected in series to the overvoltage protection circuit (10), for stepping up and outputting the output voltage from the overvoltage protection circuit (10); a parallel connection section (50) comprising a diode (51) and a resistor (52) for connecting the input terminal (B) and the gate drive circuit (23A), but not through the overvoltage protection circuit (10); a capacitor (30) which is charged by an output from the DC-DC converter (20A); and a thyristor (40) for discharging an electrical load charged into the capacitor (30), in accordance with a trigger pulse from an external section. <IMAGE>

IPC 1-7  
**F02P 1/08**; **F02P 3/08**

IPC 8 full level  
**F02B 61/02** (2006.01); **F02P 1/08** (2006.01); **F02P 3/08** (2006.01); **F02P 11/02** (2006.01); **F02P 15/12** (2006.01)

CPC (source: EP KR)  
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