

Title (en)
Engine ignition system

Title (de)
Motorzündsystem

Title (fr)
Système d'allumage d'un moteur

Publication
EP 1085204 A2 20010321 (EN)

Application
EP 00203176 A 20000913

Priority
• JP 26080899 A 19990914
• JP 2000106679 A 20000407

Abstract (en)
In an engine ignition system utilizing an AC generator (1) for supplying an electric power to an ignition coil (13), a phase relationship between the generator voltage and an ignition timing (T1) is determined so that an electric current flowing through a primary winding (L1) of the ignition coil (13) due to the voltage generation by the AC generator (1) at the ignition timing (T1) is greater than a predetermined current (Ad) required to produce a sufficient spark from a spark plug (14). Such an ignition system can advantageously ensure achieving ignition even when the battery is disconnected or totally discharged. Preferably, a capacitor (C1) is connected in parallel with the primary winding (L1) of the ignition coil (13). A stator core (6) for supporting a stator coil (5) in the AC generator (1) may be circumferentially displaceable to adjust the phase relationship between the ignition timing and the generator voltage. <IMAGE>

IPC 1-7
F02P 1/00; **F02P 3/08**

IPC 8 full level
F02P 1/00 (2006.01); **F02P 3/08** (2006.01)

CPC (source: EP)
F02P 1/00 (2013.01); **F02P 3/0838** (2013.01)

Designated contracting state (EPC)
FR IT

DOCDB simple family (publication)
EP 1085204 A2 20010321; **EP 1085204 A3 20030212**; **EP 1085204 B1 20040421**

DOCDB simple family (application)
EP 00203176 A 20000913