

Title (en)
Ignition system with generator voltage distribution control

Title (de)
Zündsystem mit Generatorspannungsverteilungssteuerung

Title (fr)
Dispositif d'allumage avec commande de distribution de tension de générateur

Publication
EP 0811763 A2 19971210 (EN)

Application
EP 97630031 A 19970603

Priority
JP 16530396 A 19960605

Abstract (en)
In an ignition system for an internal combustion engine of a motorcycle comprising an electric generator; an ignition circuit connected to the electric generator for producing a spark voltage for a spark plug; a battery having an end connected to the electric generator via switching means, and another end connected to the ground; and an electrical load connected in parallel with the battery, the switching means includes a voltage detector for detecting an output voltage of the electric generator, and a switching element for disconnecting the battery and the electrical load from the electric generator when the output voltage detected by the voltage detector is below a prescribed value. Because the electrical load and the battery are disconnected from the generator when the output voltage of the generator is below a prescribed value, the output voltage can go up to the prescribed value or higher which is sufficient for the ignition circuit to properly operate so as to produce a spark voltage for a spark plug, with the result that the internal combustion engine can be easily started by operating a kickstarter of the motorcycle. <IMAGE>

IPC 1-7
F02P 1/08; **F02P 15/12**

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

CPC (source: EP KR)
F02B 61/02 (2013.01 - EP); **F02P 1/08** (2013.01 - EP); **F02P 15/12** (2013.01 - EP); **H01T 13/00** (2013.01 - KR)

Cited by
US7764052B2; GB2348057A; GB2348057B

Designated contracting state (EPC)
ES FR IT

DOCDB simple family (publication)
EP 0811763 A2 19971210; **EP 0811763 A3 19991215**; **EP 0811763 B1 20021030**; CN 1071843 C 20010926; CN 1176344 A 19980318; ES 2184051 T3 20030401; ID 17443 A 19971224; IN 192325 B 20040410; JP 3525010 B2 20040510; JP H09324732 A 19971216; KR 100268957 B1 20001016; KR 980006676 A 19980330; MY 119183 A 20050430; TW 328556 B 19980321

DOCDB simple family (application)
EP 97630031 A 19970603; CN 97112935 A 19970604; ES 97630031 T 19970603; ID 971917 A 19970605; IN 1033CA1997 A 19970603; JP 16530396 A 19960605; KR 19970021945 A 19970530; MY PI9702478 A 19970604; TW 86107678 A 19970604