

Title (en)
Electronic ignition system for internal combustion engines

Title (de)
Elektronisches Zündsystem für Brennkraftmaschinen

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

Publication
EP 0790406 A3 19990127 (DE)

Application
EP 97101844 A 19970206

Priority
DE 19605803 A 19960216

Abstract (en)
[origin: EP0790406A2] The method requires using a control unit (1) which predetermines the generation of sparks at the plugs (Zk1-Zk4) by ignition coils (e.g. Tr1) whose primary windings (P1) are switched by semiconductor output stages (E1) of a regulator (2). The charging of each primary is terminated when its current exceeds a specified value. During the remainder of the ignition cycle successive charging processes are performed until the ignition current (Isek) is interrupted. The recharging is terminated likewise when the primary current has attained its limit.

IPC 1-7
F02P 3/045; **F02P 15/10**; **F02P 17/12**

IPC 8 full level
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CPC (source: EP US)
F02P 3/0456 (2013.01 - EP US); **F02P 15/10** (2013.01 - EP US); **F02P 17/12** (2013.01 - EP US); **F02P 2017/125** (2013.01 - EP US)

Citation (search report)
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• [A] US 4380989 A 19830426 - TAKAKI IWAO [JP]
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