

Title (en)  
Controllable ignition system

Title (de)  
Steuerbare Zündanlage

Title (fr)  
Dispositif d'allumage commandable

Publication  
**EP 0640761 B2 20040102 (DE)**

Application  
**EP 94112180 A 19940804**

Priority  
DE 4328524 A 19930825

Abstract (en)  
[origin: EP0640761A2] The invention relates to a method for controlling an ignition system for internal-combustion engines, in which invention the spark firing current and its firing period can be adjusted. The described method permits each cylinder of the engine to be supplied with that ignition energy which corresponds to the instantaneous requirement of the engine, as a result of which a spark plug changing interval of more than 100,000 km can be achieved. According to the invention, both the value of the spark firing current and its firing duration can be controlled as a function of engine parameters, in particular of load, speed and temperature. Preferably, the method according to the invention can be used in an alternating current or high voltage capacitor ignition system. <IMAGE>

IPC 1-7  
**F02P 3/045**; **F02P 15/10**; **F02P 3/09**; **F02P 15/12**

IPC 8 full level  
**F02P 3/05** (2006.01); **F02P 3/045** (2006.01); **F02P 3/08** (2006.01); **F02P 3/09** (2006.01); **F02P 15/10** (2006.01); **F02P 15/12** (2006.01)

CPC (source: EP US)  
**F02P 3/0456** (2013.01 - EP US); **F02P 3/0869** (2013.01 - EP US); **F02P 15/10** (2013.01 - EP US)

Citation (opposition)  
Opponent :

- EP 0596471 A2 19940511 - VOGT ELECTRONIC AG [DE]
- US 3945362 A 19760323 - NEUMAN JOHN G, et al
- EP 0229643 A2 19870722 - ATLAS FAHRZEUGTECHNIK GMBH [DE]

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DE ES FR GB IT

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