

Title (en)

Exciter circuit using gated switches.

Title (de)

Erregerkreis mit steuerbaren Schaltern.

Title (fr)

Circuit d'excitation avec des commutateurs à commande.

Publication

**EP 0679804 A1 19951102 (EN)**

Application

**EP 94302955 A 19940425**

Priority

EP 94302955 A 19940425

Abstract (en)

An exciter for an internal combustion engine igniter plug includes a charging circuit (104) and a discharge circuit (106). The charging circuit is connected to a power supply (108) and the discharge circuit is connected to the plug (64) to produce sparks. The discharge circuit (106) comprises a storage capacitor (38) connected to the charging circuit (104), a gated solid state switching device (33-35) connected between the capacitor (38) and the plug (64), and a trigger means for gating the switching device on and off. The capacitor is discharged when the switching device (33-35) is gated on and is charged by the charging circuit (104) after the switching device is gated off. <IMAGE>

IPC 1-7

**F02P 7/03**; **F02P 3/08**

IPC 8 full level

**F02P 3/08** (2006.01); **F02P 7/03** (2006.01); **F02P 15/00** (2006.01)

CPC (source: EP)

**F02P 3/0838** (2013.01); **F02P 7/035** (2013.01); **F02P 15/003** (2013.01)

Citation (search report)

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- [A] EP 0589603 A2 19940330 - SIMMONDS PRECISION ENGINE SYST [US]

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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