

Title (en)

Driving circuit for at least one electromagnetic valve for fuel metering in an internal combustion engine

Title (de)

Ansteuerschaltung zur Ansteuerung wenigstens eines Magnetventils für die Kraftstoffzumessung in einer Brennkraftmaschine

Title (fr)

Circuit de commande d'au moins une soupape électromagnétique pour commander le dosage en carburant dans un moteur à combustion interne

Publication

**EP 1154140 A3 20030917 (DE)**

Application

**EP 01108113 A 20010330**

Priority

DE 10022956 A 20000511

Abstract (en)

[origin: EP1154140A2] The drive circuit has a first switching device (115,116) switched off to minimize battery voltage dependency during rapid transitions and a re-charging circuit (1) that supplies voltage to the magnetic valve(s) (100-102;200-202) via a third switching device (140,141) during a booster phase from energy stored in a storage capacitor (145). The storage capacitor is charged with a pre-stabilized recharging voltage produced from the battery voltage.

IPC 1-7

**F02D 41/20**; H01F 7/18

IPC 8 full level

**F02M 47/00** (2006.01); **F02D 41/20** (2006.01); **F02M 47/02** (2006.01); **F02M 51/06** (2006.01); **F16K 31/06** (2006.01)

CPC (source: EP US)

**F02D 41/20** (2013.01 - EP US); **F02D 2041/2006** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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