

Title (en)
Drive circuit

Title (de)
Treiberschaltung

Title (fr)
Circuit de commande

Publication
EP 1489296 B1 20090819 (DE)

Application
EP 03013951 A 20030620

Priority
EP 03013951 A 20030620

Abstract (en)
[origin: EP1489296A1] The drive circuit (10) applies a negative voltage to a glow plug (12) acting as a sensor and associated with the cylinder for an ion measurement device to determine the conductivity of combustion gases. The negative voltage is generated by a capacitor (20) that is suitably charged after switching off the glow plug via the stored magnetic energy in the internal inductance (16) of the glow plug.

IPC 8 full level
F02P 19/02 (2006.01); **F02D 41/14** (2006.01); **F02D 41/20** (2006.01); **F02D 35/02** (2006.01)

CPC (source: EP US)
F02P 19/028 (2013.01 - EP US); **F02D 35/021** (2013.01 - EP US)

Designated contracting state (EPC)
DE

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EP 1489296 A1 20041222; **EP 1489296 B1 20090819**; DE 50311830 D1 20091001; US 2004257083 A1 20041223; US 7373803 B2 20080520

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EP 03013951 A 20030620; DE 50311830 T 20030620; US 86836604 A 20040615