

Title (en)

PENCIL TYPE GLOW PLUG WITH COMBUSTION CHAMBER PRESSURE SENSOR

Title (de)

GLÜHSTIFTKERZE MIT BRENNRAUMDRUCKSENSOR

Title (fr)

BOUGIE CRAYON DE PRECHAUFFAGE COMPRENANT UN CAPTEUR DE PRESSION DE CHAMBRE DE COMBUSTION

Publication

EP 1882170 A1 20080130 (DE)

Application

EP 06724988 A 20060309

Priority

- EP 2006060579 W 20060309
- DE 102005021229 A 20050509

Abstract (en)

[origin: WO2006120049A1] A pencil type glow plug (110) for a self-igniting internal combustion engine and having an integrated combustion chamber pressure sensor is proposed for measuring pressures in the combustion chamber, in particular for an engine control system based on combustion chamber pressure signals. The pencil type glow plug (110) comprises a heating element (112) and a glow plug housing (114) as well as a glow plug axis (124). The glow plug housing (114) includes a zone (116) for receiving the heating element (112), a housing body (120) and at least one flexibility zone (118) arranged between the housing body (120) and the receiving zone (116). At least one force-measuring element (136) is arranged in the glow plug housing (114).

IPC 8 full level

G01L 23/22 (2006.01); **F23Q 7/00** (2006.01); **G01L 23/10** (2006.01)

CPC (source: EP US)

F23Q 7/001 (2013.01 - EP US); **G01L 23/22** (2013.01 - EP US); **F02P 19/028** (2013.01 - EP US); **F23Q 2007/002** (2013.01 - EP US)

Citation (search report)

See references of WO 2006120049A1

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