

Title (en)
Glow plug with integrated pressure sensor

Title (de)
Glühkerze mit integriertem Drucksensor

Title (fr)
Bougie de préchauffage dotée d'un capteur de pression intégré

Publication
EP 1847777 A3 20080528 (DE)

Application
EP 07450039 A 20070301

Priority
AT 6712006 A 20060420

Abstract (en)
[origin: EP1847777A2] A glowplug (1) has an integral pressure sensor (2) that measures the pressure pertaining in an engine combustion chamber. The glowplug housing (6) translates via a converging conical seal zone (7) around the heated helical filament (8) towards the combustion chamber (9), and terminates at an apex (10) within the combustion chamber (3). The pressure sensor (2a, 2b, 2c) is located not cooled in the combustion chamber (9) side of the glowplug (1). The pressure sensor is exposed to radial pressure. The glowplug helical filament or its electrical feed wire by-passes the pressure sensor (2a), or passes thru the pressure sensor (2b, 2c) to the glowplug apex.

IPC 8 full level
F23Q 7/00 (2006.01)

CPC (source: EP US)
F23Q 7/001 (2013.01 - EP US); **F02P 19/028** (2013.01 - EP US); **F23Q 2007/002** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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EP 07450039 A 20070301; AT 07450039 T 20070301; AT 6712006 A 20060420; US 78517307 A 20070416