

Title (en)

Glow plug having combustion chamber pressure sensor

Title (de)

Glühkerze mit Brennraumdrucksensor

Title (fr)

Bougie de préchauffage dotée d'un capteur de pression de la chambre de combustion

Publication

**EP 2072897 A1 20090624 (EN)**

Application

**EP 08172468 A 20081219**

Priority

JP 2007326995 A 20071219

Abstract (en)

A glow plug (100) is provided having a combustion pressure sensor capable of detecting combustion pressure with high accuracy over a long period of time. A heater support member (10) for supporting a heater (20) has a movable or elastically deformable portion (12), which is located forward of a seat face (7); i.e. the movable or elastically deformable portion (12) is substantially exposed forward of a housing (1). The movable portion (12) has the function to allow axial displacement of the heater (20) through elastic deformation in response to combustion pressure applied to the pressure-receiving surface of a forward end of the heater (20).

IPC 8 full level

**F23Q 7/00** (2006.01)

CPC (source: EP)

**F23Q 7/001** (2013.01); **F02P 19/028** (2013.01); **F23Q 2007/002** (2013.01)

Citation (applicant)

DE 102004063750 A1 20060713 - BOSCH GMBH ROBERT [DE]

Citation (search report)

- [A] DE 102004063750 A1 20060713 - BOSCH GMBH ROBERT [DE]
- [A] US 7207214 B1 20070424 - WLODARCZYK MAREK T [US]
- [PA] US 2007289370 A1 20071220 - HIROSE YOSHINOBU [JP], et al

Cited by

US10253982B2

Designated contracting state (EPC)

DE FR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2072897 A1 20090624; EP 2072897 B1 20120411**; JP 2009150570 A 20090709; JP 5047770 B2 20121010

DOCDB simple family (application)

**EP 08172468 A 20081219**; JP 2007326995 A 20071219