

Title (en)

PRESSURE SENSOR FOR MEASUREMENTS IN A CHAMBER OF AN INTERNAL COMBUSTION ENGINE

Title (de)

DRUCKSENSOR FÜR MESSUNGEN IN EINER KAMMER EINER BRENNKRAFTMASCHINE

Title (fr)

CAPTEUR DE PRESSION POUR DES MESURES DANS UNE CHAMBRE D UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2283334 A1 20110216 (DE)

Application

EP 09757026 A 20090512

Priority

- CH 2009000154 W 20090512
- CH 8562008 A 20080604

Abstract (en)

[origin: WO2009146565A1] The invention relates to a pressure sensor 1 for measurements in a chamber 29 of an internal combustion engine, in particular a pressure-measuring glowplug. This pressure sensor 1 comprises a housing 2, a pressure element 3 for picking up a pressure, and a measuring element 4 arranged in the housing 2 downstream of the pressure element 3 in the direction of the pressure and having a sensor element 5 and a diaphragm 7. This diaphragm is permanently connected at its first end 9 to the pressure element 3, and at its second end 10 it is directly or indirectly permanently connected to the housing 2 at a connection 19, with the pressure element 3 being supported on the measuring element 4 via the diaphragm 7.

IPC 8 full level

G01L 23/10 (2006.01); **G01L 23/22** (2006.01)

CPC (source: EP US)

F23Q 7/001 (2013.01 - EP); **G01L 23/10** (2013.01 - EP US); **G01L 23/222** (2013.01 - EP US); **F23Q 2007/002** (2013.01 - EP US)

Citation (search report)

See references of WO 2009146565A1

Citation (examination)

WO 2008068101 A1 20080612 - BOSCH GMBH ROBERT [DE], et al

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