

Title (en)

APPARATUS FOR PRESSURE DETECTION IN AN ENGINE COMBUSTION CHAMBER

Title (de)

APPARAT ZUR DETEKTION DES DRUCKES IN DER VERBRENNUNGSKAMMER EINES MOTORS

Title (fr)

APPAREIL DE DETECTION DE LA PRESSION DANS LA CHAMBRE DE COMBUSTION D'UN MOTEUR

Publication

EP 1573291 A2 20050914 (FR)

Application

EP 03785799 A 20031212

Priority

- EP 0314103 W 20031212
- FR 0216372 A 20021220

Abstract (en)

[origin: FR2849192A1] A functional engine component such as a sparking plug (1) has a collar (1b) which is supported by the shoulder (15c) of an intermediate element (15) screwed into an orifice (3) of the cylinder head (5). A nut (17) exerts pressure on the shoulder through a piezoelectric unit (19) which has contact and insulating rings (21,23). An electronic calculator (25) uses the cylinder pressure data to regulated a fuel injector (27)

IPC 1-7

G01L 23/10

IPC 8 full level

G01L 23/10 (2006.01)

CPC (source: EP KR US)

F23Q 7/001 (2013.01 - EP US); **G01L 23/10** (2013.01 - EP KR US); **F02P 19/028** (2013.01 - EP US); **F23Q 2007/002** (2013.01 - EP US)

Citation (search report)

See references of WO 2004057293A2

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

FR 2849192 A1 20040625; FR 2849192 B1 20050304; EP 1573291 A2 20050914; JP 2006510888 A 20060330; KR 20060014022 A 20060214; US 2006123887 A1 20060615; WO 2004057293 A2 20040708; WO 2004057293 A3 20050512

DOCDB simple family (application)

FR 0216372 A 20021220; EP 0314103 W 20031212; EP 03785799 A 20031212; JP 2004561278 A 20031212; KR 20057011389 A 20050617; US 53874805 A 20051222