

Title (en)  
DEVICE FOR MONITORING THE FUEL PRESSURE IN THE FUEL SUPPLY CIRCUIT FOR AN INTERNAL COMBUSTION ENGINE WITH FUEL INJECTION

Title (de)  
VORRICHTUNG ZUR ÜBERWACHUNG DES KRAFTSTOFFDRUCKS IM KRAFTSTOFFVERSORGUNGSKREIS FÜR EINEN VERBRENNUNGSMOTOR MIT KRAFTSTOFFEINSPRITZUNG

Title (fr)  
DISPOSITIF POUR SURVEILLER LA PRESSION DU CARBURANT DANS LE CIRCUIT D'ALIMENTATION EN CARBURANT D'UN MOTEUR THERMIQUE A INJECTION DE CARBURANT

Publication  
**EP 1730393 A1 20061213 (FR)**

Application  
**EP 05715234 A 20050201**

Priority  
• EP 2005000964 W 20050201  
• FR 0401595 A 20040218

Abstract (en)  
[origin: FR2866390A1] The device has calculation units (12) to determine a reconstituted value of fuel pressure from exhaust gas content and allowed fresh air flow measurement values and mechanical opening duration of an injector (4). The units detect the drifts of the reconstituted value from a measurement value of fuel pressure of a fuel supply system (7) measured by a sensor while fueling. Units (15) use the drifts to diagnose the system state while fueling. The duration of mechanical opening of the injector is determined by control units (10). An independent claim is also included for a process of monitoring fuel pressure in a fuel supply system of a heat engine with fuel injection.

IPC 8 full level  
**F02D 41/22** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)  
**F02D 41/222** (2013.01 - EP US); **F02D 41/1454** (2013.01 - EP US); **F02D 41/187** (2013.01 - EP US); **F02D 41/3836** (2013.01 - EP US); **F02D 2041/223** (2013.01 - EP US); **F02D 2200/0604** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005090767A1

Designated contracting state (EPC)  
DE GB IT SE

DOCDB simple family (publication)  
**FR 2866390 A1 20050819; FR 2866390 B1 20060519**; EP 1730393 A1 20061213; US 2007157904 A1 20070712; WO 2005090767 A1 20050929

DOCDB simple family (application)  
**FR 0401595 A 20040218**; EP 05715234 A 20050201; EP 2005000964 W 20050201; US 58985405 A 20050201