

Title (en)

Method and apparatus for monitoring fuel supply system

Title (de)

Verfahren und Vorrichtung zur Überwachung eines Kraftstoffzumesssystems

Title (fr)

Méthode et dispositif de surveillance d'un système d'alimentation en carburant

Publication

**EP 0976921 B1 20040630 (DE)**

Application

**EP 99103561 A 19990224**

Priority

DE 19834660 A 19980731

Abstract (en)

[origin: EP0976921A2] Fuel is supplied to a reservoir by a pump and then metered into the combustion chamber by a controllable injector. A sensor provides a signal indicating the pressure in the reservoir. Based on a change in the pressure signal when a parameter affecting the pressure changes, an incorrect pressure signal is detected. An incorrect pressure signal may be detected if the ratio between the change in pressure signal and the change in the parameter exceeds a threshold. A drive signal for an actuator affecting the pressure may be used as the parameter. An apparatus for monitoring a fuel proportioning system is also claimed.

IPC 1-7

**F02D 41/22**; F02D 41/38; F02D 41/30

IPC 8 full level

**F02D 41/22** (2006.01); **F02D 41/30** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP)

**F02D 41/222** (2013.01); **F02D 41/3082** (2013.01); **F02D 41/3863** (2013.01); **F02D 2041/223** (2013.01); **F02D 2041/227** (2013.01); **F02D 2200/0604** (2013.01)

Cited by

DE102013017420B3; DE102013021925B3; EP1832737A3; US2012080010A1; CN103119272A; US8511275B2; EA024451B1; US9551289B2; US6705296B2; WO2012044336A1; WO0201057A1; WO2018069107A1; WO0201058A1; WO2015070984A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0976921 A2 20000202**; **EP 0976921 A3 20010307**; **EP 0976921 B1 20040630**; DE 19834660 A1 20000203; DE 59909841 D1 20040805; JP 2000054903 A 20000222; JP 4313901 B2 20090812

DOCDB simple family (application)

**EP 99103561 A 19990224**; DE 19834660 A 19980731; DE 59909841 T 19990224; JP 21922499 A 19990802