

Title (en)

Common-Rail-System with a pressure maintenance valve

Title (de)

Common-Rail-System mit einer Druckhalteventilanordnung

Title (fr)

Common-Rail-Systeme avec un agencement de soupape de maintien de pression

Publication

EP 2664783 B1 20150603 (DE)

Application

EP 13156745 A 20130226

Priority

DE 102012208110 A 20120515

Abstract (en)

[origin: EP2664783A1] The pressure control valve system (100) has a main fuel line (103) which is closed with a spring-loaded sealing structure (105) for maintaining a fuel pressure in a fuel line (101). The sealing structure is comprised of a sealing structure head (107) for sealing the main fuel line, by pressing the sealing structure with spring force against a sealing seat (117). An auxiliary fuel line (109) is formed in the spring-loaded sealing structure for filling the fuel line with fuel. The spring-loaded sealing structure (111) is provided for sealing the auxiliary fuel line.

IPC 8 full level

F02M 63/00 (2006.01); **F02M 59/46** (2006.01); **F02M 69/54** (2006.01)

CPC (source: EP US)

F02M 59/462 (2013.01 - EP US); **F02M 63/005** (2013.01 - EP US); **F02M 63/0054** (2013.01 - EP US); **F02M 69/54** (2013.01 - EP US); **Y10T 137/877** (2015.04 - EP US)

Cited by

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2664783 A1 20131120; **EP 2664783 B1 20150603**; DE 102012208110 A1 20131121; ES 2545056 T3 20150908; US 2013306178 A1 20131121

DOCDB simple family (application)

EP 13156745 A 20130226; DE 102012208110 A 20120515; ES 13156745 T 20130226; US 201313789195 A 20130307