

Title (en)

Over-pressure relief valve in a fuel system

Title (de)

Überdruckentlastungsventil in einem Kraftstoffsystem

Title (fr)

Soupape de décharge de surpression dans un système d'alimentation en carburant

Publication

EP 1247976 B1 20061115 (EN)

Application

EP 02252327 A 20020328

Priority

GB 0108216 A 20010402

Abstract (en)

[origin: EP1247976A2] A fuel system (10) arranged to deliver fuel at high pressure to a fuel injector through a high pressure fuel line (42, 44) defined, at least in part, within first and second housing parts (46, 40) of a pressure relief valve arrangement. The first and second housing parts (46, 40) define first and second separable valve surfaces respectively. A clamping means (46) is provided for applying a clamping load to the first and second housing parts (46, 40) so as to urge first and second valve surfaces respectively thereof into substantially sealing engagement. The clamping means is arranged to permit separation of the first and second valve surfaces in the event that fuel pressure within the high pressure fuel line (42, 44) exceeds a predetermined amount, thereby to permit fuel within the high pressure fuel line (42, 44) to flow to a region (62) of relatively low pressure to relieve fuel pressure within the high pressure fuel line. <IMAGE>

IPC 8 full level

F02M 59/46 (2006.01); **F02M 55/02** (2006.01); **F02M 57/02** (2006.01); **F02M 59/36** (2006.01); **F02M 59/48** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)

F02M 55/02 (2013.01); **F02M 59/366** (2013.01); **F02M 59/46** (2013.01); **F02M 59/466** (2013.01); **F02M 59/48** (2013.01); **F02M 63/0215** (2013.01)

Cited by

EP1707799A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1247976 A2 20021009; **EP 1247976 A3 20040211**; **EP 1247976 B1 20061115**; AT E345441 T1 20061215; DE 60215994 D1 20061228; DE 60215994 T2 20070920; GB 0108216 D0 20010523

DOCDB simple family (application)

EP 02252327 A 20020328; AT 02252327 T 20020328; DE 60215994 T 20020328; GB 0108216 A 20010402