

Title (en)  
Fuel system

Title (de)  
Kraftstoffanlage

Title (fr)  
Système de carburant

Publication  
**EP 0771946 B1 20001102 (DE)**

Application  
**EP 96112865 A 19960809**

Priority  
DE 19540892 A 19951102

Abstract (en)  
[origin: EP0771946A1] The system includes a fuel tank with an immersed fuel pump which conveys fuel through a pre-charge piping over a filter into an injection rail of a combustion engine. A reverse piping is provided, through which the engine returns not required fuel into the fuel tank. The filtered fuel is supplied to a pressure control (12) which opens above a predetermined threshold pressure, so that the excessive fuel flows over the reverse piping (17,9) back into the fuel tank (2). A back-pressure valve (13) is connected after the pressure control in direction of the engine. At least one elastic element (39) is pref. installed as a pressure buffer in the precharge piping.

IPC 1-7  
**F02M 37/00**; **F02M 37/10**

IPC 8 full level  
**F02M 37/00** (2006.01); **F02M 37/10** (2006.01); **F02D 33/00** (2006.01); **F02M 37/02** (2006.01)

CPC (source: EP US)  
**F02M 37/0029** (2013.01 - EP US); **F02M 37/0052** (2013.01 - EP US); **F02M 37/0094** (2013.01 - EP US); **F02M 37/106** (2013.01 - EP US); **F02D 33/006** (2013.01 - EP US); **F02M 37/025** (2013.01 - EP US)

Cited by  
CN104838128A; EP0939218A3; EP0997633A1; US7588017B2; WO2016078849A1; WO2014057093A1; WO2008091595A1

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