

Title (en)

Pump arrangement for a common rail injection system

Title (de)

Pumpvorrichtung für ein Common Rail System

Title (fr)

Configuration de pompe à injection pour un système de common rail

Publication

**EP 1130251 A1 20010905 (DE)**

Application

**EP 00810169 A 20000301**

Priority

EP 00810169 A 20000301

Abstract (en)

The arrangement has at least two pumps (2) for delivering fluid into a pressure reservoir (10) and an intermediate reservoir (3) for damping dynamic pressure components, whereby each pump is connected via a separate pump line (4) to the intermediate reservoir. Three pumps and lines can be used and the lines have non-return valves (9) at the ends connected to the intermediate reservoir. Independent claims are also included for the following: a large diesel engine with a pump device.

Abstract (de)

Es wird eine Pumpvorrichtung zum Speisen eines Druckspeichers eines Common Rail Systems in einem Grossdieselmotor vorgeschlagen, mit mindestens zwei Pumpen (2) zum Fördern eines Fluids in den Druckspeicher (10), sowie mit einem Zwischenspeicher (3) zum Dämpfen von dynamischen Druckanteilen, wobei jede Pumpe (2) jeweils über eine separate Pumpenleitung (4) mit dem Zwischenspeicher (3) verbunden ist.  
<IMAGE>

IPC 1-7

**F02M 63/02**; F02M 59/08; F02M 55/04; F02M 55/02

IPC 8 full level

**F02M 55/02** (2006.01); **F02M 55/04** (2006.01); **F02M 63/02** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

**F02M 55/025** (2013.01); **F02M 55/04** (2013.01); **F02M 63/0215** (2013.01); **F02M 63/029** (2013.01); **F02B 3/06** (2013.01); **F02F 2007/0097** (2013.01)

Citation (search report)

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