

Title (en)  
A high pressure fluid rail

Title (de)  
Hochdruckflüssigkeitsschiene

Title (fr)  
Rail fluide haute pression

Publication  
**EP 2511517 B1 20150401 (EN)**

Application  
**EP 12155871 A 20120217**

Priority  
• EP 11162593 A 20110415  
• EP 12155871 A 20120217

Abstract (en)  
[origin: EP2511517A1] A high pressure fluid feed device (1) for a common rail system for a large internal combustion engine comprises a pressure accumulator unit (7) for supplying high pressure fluid to a plurality of fluid injectors (8), and the pressure accumulator unit (7) has an outer circumferential surface (16) and is disposed with a central bore (11) substantially extending along the longitudinal axis (14) of the pressure accumulator unit (7) and having an inner circumferential surface (15) and at least one radial bore (13) extending from the central bore (11) to the outer circumferential surface (16) of the pressure accumulator unit (7). The radial bore (13) has a width (22) measured in a plane normal to the longitudinal axis (14) of the pressure accumulator unit (7), which is greater at the inner circumferential surface (15) than at the outer circumferential surface (16) and decreasing continuously from the inner circumferential surface (15) to the outer circumferential surface (16) preferably for at least half of the distance between the inner circumferential surface (15) and the outer circumferential surface (16), and the radial bore (13) has a first lateral wall (18) and a second lateral wall (19), whereby the width (22) is measured as the distance between the first and second lateral walls (18, 19) of the radial bore (13) in a plane containing the central axis (17) of the radial bore and arranged normally to the longitudinal axis (14) of the pressure accumulator unit (7).

IPC 8 full level  
**F02M 55/02** (2006.01)

CPC (source: EP KR)  
**F02M 55/025** (2013.01 - EP KR); **F02M 2200/03** (2013.01 - EP KR); **F02M 2200/80** (2013.01 - KR)

Cited by  
CN110625328A; EP3587789A1

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