

Title (en)  
High-pressure fuel pump

Title (de)  
Kraftstoffhochdruckpumpe

Title (fr)  
Pompe de carburant à haute pression

Publication  
**EP 1857667 B1 20091209 (EN)**

Application  
**EP 06425338 A 20060519**

Priority  
EP 06425338 A 20060519

Abstract (en)  
[origin: EP1857667A1] A high-pressure fuel pump (1) is provided with a pump housing (2); a fuel delivery duct (3); and a delivery valve (4), which extends along a longitudinal axis (A), is arranged along the delivery duct (3), and has a valve seat (7) directly machined in the pump housing (2); a shutter (17) movable between a closed and an open position in the valve seat (7); a fastening member (16) suitable for being fastened to the pump housing (2); a helical spring (18) suitable for biasing the shutter (17) in the closed position; and a sleeve (20), which is fitted to the fastening member (16) and has a sealing ring (30), which is coupled to the valve seat (7) in fluid-tight manner and defines a fuel passage and an abutment for said shutter (17) so as to allow the shutter(17) closing the fuel passage.

IPC 8 full level  
**F02M 59/46** (2006.01)

CPC (source: EP)  
**F02M 59/462** (2013.01)

Cited by  
ITUB20155795A1; ITMI20091659A1; IT201600131338A1; CN106255823A; JPWO2015163246A1; EP3135900A4; US10954907B2; WO2018122005A1

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