

Title (en)
High-pressure fuel pump

Title (de)
Kraftstoffhochdruckpumpe

Title (fr)
Pompe de carburant à haute pression

Publication
EP 1857667 A1 20071121 (EN)

Application
EP 06425338 A 20060519

Priority
EP 06425338 A 20060519

Abstract (en)
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)

Citation (applicant)
GB 521060 A 19400510 - RUDOLF L ORANGE

Citation (search report)
• [X] GB 521060 A 19400510 - RUDOLF L ORANGE
• [A] DE 10261415 B3 20040708 - SIEMENS AG [DE]
• [A] US 6238190 B1 20010529 - CZARNECKI PHILIP JAMES [US], et al
• [A] GB 742847 A 19560104 - PORN & DUNWOODY LTD
• [A] GB 515231 A 19391129 - RUDOLF L ORANGE
• [A] GB 513349 A 19391010 - BRYCE LTD, et al

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

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