

Title (en)

Fuel injector with integrated pressure intensifier

Title (de)

Kraftstoffinjektor mit integriertem Druckverstärker

Title (fr)

Injecteur de carburant doté d'un amplificateur de pression intégré

Publication

EP 1980742 B1 20110727 (DE)

Application

EP 08101824 A 20080221

Priority

DE 102007018040 A 20070413

Abstract (en)

[origin: EP1980742A1] The injector has a high pressure chamber (61) separated from a valve chamber (62) using a valve seat (55), where the high pressure chamber is loaded with system pressure. The valve chamber is connected with a difference pressure chamber (33), and is separated from a low pressure chamber (63) using a valve seat (56), where the low pressure chamber is connected to a low pressure/return system. The valve seat (56) has a conical sealing surface that is formed at a valve piston (52) that presses a housing-sided valve piston seat (71) against the low pressure area.

IPC 8 full level

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CPC (source: EP)

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