

Title (en)

Fuel injector with hydraulically actuated pressure amplifier

Title (de)

Kraftstoffinjektor mit hydraulisch betätigbarem Druckübersetzer

Title (fr)

Injecteur de carburant avec amplification de pression commandée hydrauliquement

Publication

EP 1657427 B1 20091202 (DE)

Application

EP 05105254 A 20050615

Priority

DE 102004051757 A 20041023

Abstract (en)

[origin: DE102004051757A1] Fuel injector for injecting fuel into combustion chamber (29) of internal combustion engine with minimum injector opening (28) with hydraulically operated nozzle needle (26) , pressure amplifier (5) and pressure amplifier piston (7) with high pressure piston part (10). Fuel pressure is intensified in high pressure intensifier body (6) and fuel under pressure comes out from high pressure area (23).

IPC 8 full level

F02M 57/02 (2006.01); **F02M 47/02** (2006.01); **F02M 59/10** (2006.01)

CPC (source: EP)

F02M 57/025 (2013.01); **F02M 57/026** (2013.01); **F02M 59/105** (2013.01); **F02M 47/027** (2013.01)

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

DE 102004051757 A1 20060427; DE 502005008613 D1 20100114; EP 1657427 A1 20060517; EP 1657427 B1 20091202; ES 2336458 T3 20100413

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