

Title (en)

FUEL INJECTOR WITH A DIRECT CONTROLLED INJECTION VALVE MEMBER

Title (de)

KRAFTSTOFFINJEKTOR MIT DIREKTGESTEUERTEM EINSPRITZVENTILGLIED

Title (fr)

INJECTEUR DE CARBURANT AVEC OBTURATEUR D'INJECTION A COMMANDE DIRECTE

Publication

EP 1714025 B1 20080326 (DE)

Application

EP 04804653 A 20041202

Priority

- EP 2004053230 W 20041202
- DE 102004005456 A 20040204

Abstract (en)

[origin: US7455244B2] A fuel injector for injecting fuel into a combustion chamber of an internal combustion engine, the injector having body and a nozzle holder in which an injection valve member is movably received, which injection valve member has a seat that opens or closes injection openings, and the injection valve member is actuatable via a piezoelectric actuator. The piezoelectric actuator actuates a first booster piston, in which a second booster piston, connected to the injection valve member is guided.

IPC 8 full level

F02M 51/06 (2006.01); **F02M 63/00** (2006.01); **F02M 57/02** (2006.01)

CPC (source: EP US)

F02M 51/0603 (2013.01 - EP US); **F02M 2200/703** (2013.01 - EP US); **F02M 2200/704** (2013.01 - EP US)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 2004053230 W 20041202; AT 04804653 T 20041202; CN 200480041386 A 20041202; DE 102004005456 A 20040204; DE 502004006696 T 20041202; EP 04804653 A 20041202; JP 2006521591 A 20041202; US 58686904 A 20041202