

Title (en)

Fluid injector with a deformable valve needle

Title (de)

Einspritzventil mit einem verformbaren Ventilnadel

Title (fr)

Injecteur de fluide avec une aiguille de soupape deformable

Publication

EP 1559905 A1 20050803 (EN)

Application

EP 04002003 A 20040129

Priority

EP 04002003 A 20040129

Abstract (en)

A fluid injector comprises a housing, an actuator unit and a valve body. The valve body comprises a cartridge (21) with a recess, that forms an injection nozzle on one end and with a needle (22), that is arranged in the recess and closes the injection nozzle, if it rests with its seat area (224) on a needle seat (215) of the cartridge (21). The needle tip (222), which is adjacent to the seat area (224) comprises a centrically dished area (225).
<IMAGE>

IPC 1-7

F02M 61/04; **F02M 61/08**; **F02M 61/06**

IPC 8 full level

F02M 61/04 (2006.01); **F02M 61/06** (2006.01); **F02M 61/08** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 61/047 (2013.01); **F02M 61/08** (2013.01); **F02M 2200/21** (2013.01)

Citation (search report)

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