

Title (en)

Fluid injector with means to prevent rotation of the valve needle

Title (de)

Einspritzventil mit Mittel, um Ventilnadelrotation zu verhindern

Title (fr)

Soupape d'injection avec moyens pour eviter la rotation de l'aiguille

Publication

EP 1559907 A1 20050803 (EN)

Application

EP 04001803 A 20040128

Priority

EP 04001803 A 20040128

Abstract (en)

The fluid injector has a housing, an actuator unit and a valve body. The valve body has a cartridge (21) with a recess (211), that forms an injection nozzle (213), if it rests with its seat area on a needle seat of the cartridge. A further recess (217) or raised area in the cartridge (21), a holding element and a recess (226) or raised area in the needle (22) are formed and arranged in a way, that they cooperate to fix the needle (22) in its rotational position relative to the cartridge (21). <IMAGE>

IPC 1-7

F02M 61/12; **F02M 61/16**

IPC 8 full level

F02M 61/08 (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 51/0603 (2013.01); **F02M 61/08** (2013.01); **F02M 61/12** (2013.01)

Citation (search report)

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EP2246557A1; WO2006128757A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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