

Title (en)

Valve body and fluid injector with a valve body

Title (de)

Ventilkörper und Flüssigkeitsinjektor mit Ventilkörper

Title (fr)

Corps de soupape et injecteur de fluide avec un corps de soupape

Publication

EP 1712776 B1 20080702 (EN)

Application

EP 05008192 A 20050414

Priority

EP 05008192 A 20050414

Abstract (en)

[origin: EP1712776A1] The invention is distinguished by a valve body with a needle (22) and a cartridge (21). A recess (22) of the cartridge (21) takes in the needle (22) and comprises on one of its ends a seat plate (27). The seat plate (27) comprises a needle seat (29) for the inward opening needle (22), with the needle (22) further comprising a seat-part (24) with a sealing area that is designed to rest on the needle seat (29). At least one sack disc (39a) is fixed to the seat plate (27) and restricts the sack volume (35) in conjunction with the seat plate (27) and the seat part (24) of the needle (22). Each sack disc (39a) comprises a sack disc recess (40a) in order to modify the sack volume (35). An orifice disc (37) is arranged facing away from the sack volume (35) related to the sack disc (39a), and the orifice disc (37) comprises a nozzle (41).

IPC 8 full level

F02M 61/18 (2006.01)

CPC (source: EP)

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