

Title (en)

Valve assembly for an injection valve and injection valve

Title (de)

Düsenanordnung für eine Einspritzdüse und Einspritzdüse

Title (fr)

Assemblage de soupape d'injection et soupape d'injection

Publication

EP 1816344 B1 20090708 (EN)

Application

EP 06002243 A 20060203

Priority

EP 06002243 A 20060203

Abstract (en)

[origin: EP1816344A1] Valve assembly (10) of an injection valve (12), the valve assembly (10) comprising a valve body (20) with a seat body (27), a cavity (18) and an orifice disc (37) being arranged away from the cavity (18) relative to the seat body (27), and a valve needle (22) axially movable in the cavity (18). The seat body (27) comprises a needle seat (29) for the valve needle (22) and a projection (28) extending away from the cavity (18) relative to the seat body (27). The orifice disc (37) comprises a nozzle (41) and a protrusion (39) extending away from the cavity (18) relative to the seat body (27) and abutting the projection (28) of the seat body (27) and being rigidly coupled to the projection (28) of the seat body (27).

IPC 8 full level

F02M 61/18 (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

F02M 51/061 (2013.01); **F02M 61/168** (2013.01); **F02M 61/1853** (2013.01)

Cited by

EP2543872A4; CN108235716A; US8794550B2

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 1816344 A1 20070808; **EP 1816344 B1 20090708**; DE 602006007674 D1 20090820

DOCDB simple family (application)

EP 06002243 A 20060203; DE 602006007674 T 20060203