

Title (en)
Valve assembly for an injection valve and injection valve

Title (de)
Ventilanordnung für ein Einspritzventil und Einspritzventil

Title (fr)
Ensemble de vanne pour soupape d'injection, et soupape d'injection

Publication
EP 2003331 A1 20081217 (EN)

Application
EP 07011514 A 20070612

Priority
EP 07011514 A 20070612

Abstract (en)
Injection valve (10) and valve assembly (14) for an injection valve (10), comprising a valve body (20) including a central longitudinal axis (L), the valve body (20) comprising a cavity (24) forming an inner wall (42), the cavity (24) comprising a fluid outlet portion (28) with a seat area (44) being part of the inner wall (42), a valve needle (22) axially movable in the cavity (24), the valve needle (22) preventing a fluid flow through the fluid outlet portion (28) in a closing position and releasing the fluid flow in a fluid flow direction (F) through the fluid outlet portion (28) in further positions, the valve needle (22) comprising a needle seat (46), the needle seat (46) and the seat area (44) forming an injection nozzle (29), and a collar (40) being coupled to an outer surface (48) of the valve body (20) and extending in axial direction of the valve body (20) relative to the central longitudinal axis (L), wherein the collar (40) is arranged circumferentially relative to the central longitudinal axis (L) to encircle the injection nozzle (29).

IPC 8 full level
F02M 61/18 (2006.01)

CPC (source: EP)
F02M 61/08 (2013.01); **F02M 61/1866** (2013.01); **F02M 61/1886** (2013.01)

Citation (search report)
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