

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 1995447 B1 20091230 (EN)

Application

EP 07010384 A 20070524

Priority

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Abstract (en)

[origin: EP1995447A1] Valve assembly (14) of an injection valve (10) and injection valve (10), the valve assembly (14) comprising a first valve body (20) including a central longitudinal axis (A) and comprising a first cavity (24), a second valve body (21) being rigidly coupled to the first valve body (20) and comprising a second cavity (25) with a fluid outlet portion (28), and - a valve needle (22) axially movable in the first cavity (24) and the second cavity (25), the valve needle (22) preventing a fluid flow through the fluid outlet portion (28) of the second cavity (25) in a closing position and releasing the fluid flow through the fluid outlet portion (28) in further positions, the second valve body (21) comprising a passage (40) being arranged between the first cavity (24) and the second cavity (25) directly upstream the second cavity (25) and being designed to enable a fluid flow from the first cavity (24) to the second cavity (25). A filter (42) is arranged directly upstream or inside the passage (40) and is designed to filter fluid flowing from the first cavity (24) to the second cavity (25).

IPC 8 full level

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CPC (source: EP)

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Cited by

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