

Title (en)

Adjusting arrangement for an injection valve, injection valve and method for adjusting an injection valve

Title (de)

Anordnung zur Einstellung eines Einspritzventils, Einspritzventil und Verfahren zur Einstellung eines Einspritzventils

Title (fr)

Agencement pour l'ajustement d'une vanne d'injection, vanne d'injection et méthode d'ajustement d'une vanne d'injection

Publication

EP 1865191 B1 20090520 (EN)

Application

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Priority

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Abstract (en)

[origin: EP1865191A1] Adjusting arrangement (14) for an injection valve (10), the injection valve (10) comprising a housing (12) comprising an actuator unit (16) being coupled to a valve needle (22) and enabling the axial movement of the valve needle (22) relative to the valve body (20) upon actuation of the actuator unit (16). The adjusting arrangement (14) comprises a thermal compensation unit (40) being coupable to the housing (12), a spring retaining element (42) being mechanically coupled to the thermal compensation unit (40), and an adjusting spring (44) arranged between the thermal compensation unit (40) and the spring retaining element (42) and enabled to exert an axial preload force on the actuator unit (16). The thermal compensation unit (40) and the spring retaining element (42) are formed in a manner that under a rotational movement of the thermal compensation unit (40) relative to the housing (12) the spring retaining element (42) is movable in axial direction relative to the thermal compensation unit (40) thereby setting the axial preload force of the adjusting spring (44) on the actuator unit (16).

IPC 8 full level

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CPC (source: EP)

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