

Title (en)
INJECTION VALVE WITH TRANSMISSION UNIT

Title (de)
EINSPRITZVENTIL MIT ÜBERTRAGUNGSEINHEIT

Title (fr)
SOUPAPE D'INJECTION AVEC UNITÉ DE TRANSMISSION

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Application
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Abstract (en)
[origin: WO2010142753A1] The invention relates to an injection valve (1) for injecting fuel into an internal combustion engine, comprising an actuator (7) and an injection needle (5) that is associated with a sealing seat (10). A transmission unit (6) is provided which establishes an effective connection between the actuator (7) and the injection needle (5). The invention is characterized in that the transmission unit (6) includes a pressure chamber (24) which is delimited by two movable pistons (12, 15) that are guided within a movable pot (14). The first piston (12) is guided through a bottom (13) of the pot (14) while maintaining a first sealing gap (22), and the second piston (15) is guided within a sleeve section of the pot (14) while maintaining a second sealing gap (23). One piston (12, 15) is effectively connected to the injection needle (5), and the other piston (12, 15) is effectively connected to the actuator (7).

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