

Title (en)

DEVICE FOR A HIGH-PRESSURE PUMP FOR A MOTOR VEHICLE

Title (de)

VORRICHTUNG FÜR EINE HOCHDRUCKPUMPE FÜR EIN KRAFTFAHRZEUG

Title (fr)

DISPOSITIF POUR POMPE À HAUTE PRESSION POUR VÉHICULE AUTOMOBILE

Publication

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Application

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Abstract (en)

[origin: WO2016020106A1] The invention relates to a device for a high-pressure pump for a motor vehicle, comprising a valve housing (3), a central axis (17) and an actuator assembly (5) arranged substantially along the central axis (17) in the valve housing (3) in an operating state. In addition, the actuator assembly (5) has an actuator recess (11) that extends into the actuator assembly (5), starting from a first end (6) of the actuator assembly (5). The actuator assembly (5) also has at least one hydraulic compensation opening (13) that extends through a wall of the actuator assembly (5) from the actuator recess (11) into an outer region (12). The device further has a solid body (15) which is arranged in the actuator recess (11) at a distance to the actuator assembly (5), and which extends into a region (14) of the at least one hydraulic compensation opening (13). Furthermore, the solid body (15) is immovably arranged relative to the valve housing (3), and, in relation to the central axis (17), the actuator assembly (5) is arranged in an axially moveable manner relative to the valve housing (3) and relative to the solid body (15).

IPC 8 full level

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