

Title (en)

PLUNGER TIP GEOMETRY FOR A PRESSURE RELIEF VALVE

Title (de)

STÖSSELSPITZEN-GEOMETRIE FÜR EIN DRUCKREGELVENTIL

Title (fr)

GÉOMETRIE D'UN EMBOUT D'UN POUSSOIR POUR UNE SOUPE DE DÉCHARGE DE PRESSION

Publication

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Application

EP 14736826 A 20140708

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Abstract (en)

[origin: WO2015004140A1] The invention relates to a tappet element (2), in particular for a pressure control valve (4), comprising a tappet body (2a), in particular an elongated tappet body. The tappet body has a first side (2b), a second side (2c), and a centre axis (2d). A tappet tip (14) is formed on the first side (2a), which tappet tip is designed to contact a valve ball (6). A driving device (10) for the tappet element (2) can be provided on the second side (2c). The tappet tip (14) has a recess (12) for contacting a valve ball (6). The tappet element is characterised in that the recess (12) has a first region (16a) and a second region (16b), the two regions (16a, b) being arranged concentrically with respect to the centre axis (2d); and a valve ball (6) being movable (18a) on the surface (22a) of the recess (12) substantially in a radial direction (20a) perpendicular to the centre axis (2d) in the first region (16a); and a valve ball (6) being movable (18b) on the surface (22b) of the recess (12) substantially in a combined motion both in the radial direction (20a) and in an axial direction (20b) in the second region (16b).

IPC 8 full level

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Citation (search report)

See references of WO 2015004140A1

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