Title (en)

PUMP FOR A HIGH PRESSURE CLEANER AND A HIGH PRESSURE CLEANER

Title (de)

PUMPE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT UND HOCHDRUCKREINIGUNGSGERÄT

Title (fr)

POMPE POUR UN NETTOYEUR HAUTE PRESSION ET UN NETTOYEUR HAUTE PRESSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2013123969A1] The invention relates to a pump for a high-pressure cleaning apparatus (10) for conveying a cleaning liquid, wherein the pump (14) comprises a pump head (16) having a base body (26) in which a suction line (27) and a pressure line (32) connected to said suction line by at least one pump chamber (29) are formed, a bypass line (33) which connects the pressure line (32) to the suction line (27), is oriented transversely to the pressure line (32), and defines a pump plane with said pressure line, and a delivery line (18) connected to the pressure line (32) for connecting an external liguid line, wherein the pump head (16) comprises an overflow valve (35) arranged on the bypass line (33), the valve body (36) of which is connected to a piston (34) that is immersed from the side facing the bypass line (33) into the pressure line (32), delimits in sections a pressure chamber (40) that is connected to the delivery line (18) in the flow direction via a pressure channel (41), and moves the valve body (36) depending on the fluid pressure in the pressure chamber (40) for opening and closing the bypass line (33). According to the invention, in order to further develop such a pump, by means of which pump variants that comprise an overpressure valve or a plunger for actuating an electric switch element can be designed in a simple manner, a projection (44) is formed on the base body (26), which projection comprises a first projection section (45) that defines a first axis (47) intersecting with the pressure line (32) and a second projection section (46) that defines a second axis (48) intersecting with the pressure chamber (40), wherein the first axis (47) and the second axis (48) intersect at an intersection point (49) located outside the pressure line (32) and the pressure chamber (40). The invention further relates to a high-pressure cleaning apparatus.

IPC 8 full level

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Citation (search report)

See references of WO 2013123969A1

Cited by

CN105435986A; CN110603109A; WO2022117240A1

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