

Title (en)

ELECTROMAGNETICALLY ACTUATED METERING CONTROL VALVE, PARTICULARLY FOR CONTROLLING THE FLOW OF A HIGH PRESSURE FUEL PUMP

Title (de)

ELEKTROMAGNETISCH BETÄTIGTES MENGENSTEUERVENTIL, INSBESONDERE ZUR STEUERUNG DER FÖRDERMENGE EINER KRAFTSTOFF-HOCHDRUCKPUMPE

Title (fr)

VANNE DE CONTROLE DU DEBIT DE COMMANDE ELECTRIQUE, DESTINEE EN PARTICULIER A COMMANDER LE DEBIT D'UNE POMPE HAUTE PRESSION A CARBURANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011079989A1] The invention relates to an electromagnetically actuatable volume control valve, in particular for controlling the delivery volume of a high-pressure fuel pump. The volume control valve comprises a movement chamber (28), which can be filled with a fluid (30), a moving part (22) of an electromagnetic actuating device arranged in said chamber, and a stop (26). When the moving part (22) rests against the stop (26), a contact area is present between the moving part (22) and the stop (26). The contact area is defined by a surface of the moving part (22) and a surface of the stop (26). The contact area is smaller than the total area of the moving part (22) or the stop (26).

IPC 8 full level

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