

Title (en)  
SOLENOID VALVE WITH PLUNGER STAGE FOR CONTROLLING A FLUID

Title (de)  
MAGNETVENTIL MIT TAUCHSTUFE ZUM STEUERN EINES FLUIDS

Title (fr)  
ÉLECTROVANNE À VOLUME DE DÉTENTE POUR LA RÉGULATION D'UN FLUIDE

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Application  
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Abstract (en)  
[origin: WO2011104116A1] The invention relates to a solenoid valve (1) for controlling a fluid, comprising an armature (2), a pole core (41), wherein a working gap (51) is provided between the armature (2) and the pole core (41), a valve member (3) which is connected to the armature (2) and can be moved together with the armature (2), a valve body (4) with a passage opening (5), on which a valve seat (6) is formed, wherein the valve member (3) opens and closes the passage opening (5) on the valve seat (6), a restoring element (7) which exerts a restoring force on the valve member (3), in order to restore the valve member (3) into a closed state, wherein the armature (2) has a central passage hole (16) for receiving the valve member (3) and the restoring element (7), and a plunger stage (12) which is formed between the pole core (41) and the armature (2).

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See references of WO 2011104116A1

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