Title (en)
PUMP HAVING A VALVE WITH A DAMPING ARRANGEMENT

Title (de)
PUMPE MIT EINER EINEM VENTIL ZUGEORNETEN DÄMPFANORDNUNG

Title (fr)
POMPE AYANT UNE VALVE AVEC UN DISPOSITIF D'AMORTISSEMENT

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Abstract (en)
[origin: WO2011116752A2] The invention relates to a pump for pumping a fluid, comprising an inlet, an outlet, and a pumping chamber, wherein a valve (17) is arranged between the inlet and the pumping chamber or between the pumping chamber and the outlet, wherein the valve (17) comprises a valve body (30), which has a valve seat (32) pointing in the direction of the outlet, and a valve element (31a) that interacts with the valve seat (32), wherein the valve element (31a) is loaded under pre-loading against the valve seat (32) into a closed position of the valve (17) and allows fluid to pass through in the pumping direction due to the valve element (31a) lifting off against the pre-load, wherein the valve body (30) is accommodated in a receptacle (15c) of a pump part (15). A pump for which the development of noises and vibrations is reduced is created according to the invention in that during the operation of the pump the valve body (30) can move axially relative to the receptacle (15c) that accommodates the valve body.

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