

Title (en)  
PRESSURE REGULATING PISTON PUMP WITH A MAGNETIC DRIVE

Title (de)  
DRUCKREGELNDE HUBKOLBENPUMPE MIT MAGNETISCHEM ANTRIEB

Title (fr)  
POMPE À PISTON À ENTRAÎNEMENT MAGNETIQUE ASSURANT UNE PRESSION DONNÉE

Publication  
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Application  
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Abstract (en)  
[origin: WO2012113579A1] The invention relates to a reciprocating piston pump (1) having a magnet drive and a first displacement chamber (25) and a second displacement chamber (26), which are separated from each other by a piston (7), wherein both displacement chambers (25, 26) are connected to each other by a fluid-conducting channel (28). An overflow valve (9) is arranged in the channel (28) and allows a preferred flow from the first displacement chamber (25) to the second displacement chamber (26), wherein an additional return valve (14) is arranged either in a transition region between an inlet (13) and the first displacement chamber (25) or in a transition region between the second displacement chamber (26) and an outlet (19), an armature (6) of the magnet drive being firmly connected to the piston (7).

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