

Title (en)  
PISTON PUMP

Title (de)  
KOLBENPUMPE

Title (fr)  
POMPE À PISTON

Publication  
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Application  
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Abstract (en)  
[origin: WO2016041821A1] The invention relates to a reciprocating pump (1), having a step piston (4) and intended as hydraulic pump of a slip-controlled vehicle braking system . According to the invention, a piston step (8) of the step piston (4) delimits a stepped space (36) which by way of a differential pressure valve (37) communicates with a pump outlet (34). The stepped space (36) suctions and displaces in a direction opposite to that of a displacement space (25), but in smaller quantities; this results in a more even brake fluid volume flow in a pump outlet (34) and lower pressure pulsations.

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