

Title (en)
MULTI-STAGE ROTARY PISTON PUMP

Title (de)
MEHRSTUFIGE WÄLZKOLBENPUMPE

Title (fr)
POMPE ROOTS À ÉTAGES MULTIPLES

Publication
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Application
EP 18726990 A 20180523

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Abstract (en)
[origin: WO2018228784A1] The invention relates to a multi-stage rotary piston pump comprising two shafts in a housing, which support multiple rotary pistons. Corresponding rotary pistons form a respective rotary piston pair, wherein multiple rotary piston pairs are provided which form a respective pump stage. Neighbouring pump stages are each connected to one another via connection channels. The multi-stage rotary piston pump also comprises a pump inlet that is connected to the first pump stage, as well as a pump outlet that is connected to the last pump stage. According to the invention, the built-in volume ratio is at least 15, so that high pumping capacities of at least 1500 m3/h can be achieved.

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