

Title (en)

METHOD FOR OPERATING A PISTON COMPRESSOR AND PISTON COMPRESSOR

Title (de)

VERFAHREN ZUM BETREIBEN EINES KOLBENVERDICHTERS UND KOLBENVERDICHTER

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D' UN COMPRESSEUR À PISTON ET COMPRESSEUR À PISTON

Publication

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Application

**EP 18803317 A 20181106**

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Abstract (en)

[origin: WO2019101361A1] The invention relates to a method for operating a piston compressor (100) having a reciprocating piston (111) in a cylinder (110), wherein an inlet valve (112) and an outlet valve (113) are provided in the cylinder (110) on the side of a medium (b) which is to be compressed and conveyed, wherein the reciprocating piston (111) is moved to and fro by way of a hydraulic drive (120, 121) with a hydraulic piston (120) with the use of a hydraulic medium (a) in a first volume (141), with which the reciprocating piston (111) is loaded on the side of the hydraulic drive (120, 121), wherein, if required, hydraulic medium (a) is fed into the first volume (141) and/or is discharged from the first volume (141) in a manner which is dependent on a position of the hydraulic piston (120) and/or a rotational angle ( $\varphi$ ) of a shaft (121) which is provided for moving the hydraulic piston (120) in relation to a position (x) of the reciprocating piston (120) and/or a pressure (p) in the first volume (141), and to a piston compressor (100) of this type.

IPC 8 full level

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