

Title (en)
RECIPROCATING-PISTON COMPRESSOR HAVING NON-CONTACT GAP SEAL

Title (de)
HUBKOLBENVERDICHTER MIT BERÜHRUNGSLOSER SPALTDICHTUNG

Title (fr)
COMPRESSEUR A PISTONS DOTE D'UNE ETANCHEITE D'INTERSTICE SANS CONTACT

Publication
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Application
EP 07722864 A 20070220

Priority
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Abstract (en)
[origin: US2009220364A1] A reciprocating-piston compressor having at least two working cylinders arranged in series, along a cylinder axis is described. The compressor includes a piston in each of the cylinders, guided in an axially movable manner, and a common axially actuated piston rod of the pistons, extending through a passage opening in a partition between the at least two working cylinders. The at least two working cylinders are sealed off with respect to one another in a region of the common axially actuated piston rod, exclusively by a non-contact seal. The axial seal has an axial gap seal formed between a radially outer circumferential surface of the common axially actuated piston rod and a radially inner circumferential surface of the passage opening.

IPC 8 full level
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