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

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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

F04B 3/00 (2006.01); **F04B 25/00** (2006.01); **F04B 39/04** (2006.01); **F16J 15/44** (2006.01); **F16J 15/447** (2006.01)

CPC (source: EP US)

F04B 3/00 (2013.01 - EP US); **F04B 25/00** (2013.01 - EP US); **F04B 25/005** (2013.01 - EP US); **F04B 39/041** (2013.01 - EP US)

Citation (search report)

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