

Title (en)
Piston compressor

Title (de)
Kolbenverdichter

Title (fr)
Compresseur à piston

Publication
EP 1571336 A2 20050907 (EN)

Application
EP 05004432 A 20050301

Priority
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Abstract (en)
A piston compressor includes a rotary valve (35) having a suction guide hole. A plurality of introducing passages are formed in a cylinder block to connect compression chambers to the rotary valve (35). The inner circumferential surface of each cylinder bore has a suction auxiliary recess (61), which is connected to the outlet of the corresponding introducing passage in the circumferential direction of the cylinder bore at the end of the cylinder bore facing a valve assembly. Therefore, the compressor reduces suction resistance of gas at the beginning of the suction stroke without enlarging introducing passages formed in the cylinder block.

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F04B 27/10; F04B 39/12; F04B 39/08

IPC 8 full level
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