

Title (en)  
RECIPROCATING COMPRESSOR

Title (de)  
HUBKOLBENVERDICHTER

Title (fr)  
COMPRESSEUR VOLUMETRIQUE A PISTONS

Publication  
**EP 1605160 A1 20051214 (EN)**

Application  
**EP 03772804 A 20031117**

Priority  
• JP 0314564 W 20031117  
• JP 2003044680 A 20030221

Abstract (en)  
[origin: WO2004074683A1] A reciprocating compressor, comprising a cylinder block (3) having a plurality of cylinder bores (11) formed therein, a shaft rotatably installed so as to be passed through the cylinder block (3), and pistons reciprocating in the cylinder bores according to the rotation of the shaft, wherein mounting leg parts (31) formed of connection parts (31a) extended from the cylinder block (3) and projected parts (31b) formed continuously with the connection parts (31a) and projected to one side or both sides thereof in the tightening direction are provided on the cylinder block (3) and tightened to specified positions for the installation of the compressor, the projected parts (31b) being formed to have a rigidity lower than that of the connection parts (31a), whereby the smooth movement of the pistons can be assured and the strict control of piston clearances can be eliminated by suppressing the deformation of the cylinder bores within an allowable range while assuring a rigid installation state by the mounting leg parts.

IPC 1-7  
**F04B 27/08**

IPC 8 full level  
**F04B 27/08** (2006.01); **F04B 27/10** (2006.01)

CPC (source: EP US)  
**F04B 27/0891** (2013.01 - EP US); **F04B 27/1045** (2013.01 - EP US); **F04B 27/1081** (2013.01 - EP US)

Cited by  
EP2390503A1

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DE FR

DOCDB simple family (publication)  
**EP 1605160 A1 20051214**; **EP 1605160 A4 20060809**; **EP 1605160 B1 20090107**; DE 60325782 D1 20090226; JP 4496534 B2 20100707; JP WO2004074683 A1 20060601; US 2006275148 A1 20061207; WO 2004074683 A1 20040902

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