

Title (en)  
Piston compressor

Title (de)  
Kolbenkompressor

Title (fr)  
Compresseur a piston

Publication  
**EP 1462651 A1 20040929 (EN)**

Application  
**EP 04007411 A 20040326**

Priority  
JP 2003087295 A 20030327

Abstract (en)  
A gasket is provided between a cylinder block and a valve plate. By providing a through hole at a position near the center of the gasket, bending moment acting on the cylinder block is reduced, and hence deformation of the cylinder block is restrained. As a result, reciprocating motion of a piston and rotational motion of a rotary valve are performed smoothly. <IMAGE>

IPC 1-7  
**F04B 39/10**; **F04B 39/12**; **F04B 27/10**

IPC 8 full level  
**F04B 27/08** (2006.01); **F04B 27/10** (2006.01); **F04B 39/10** (2006.01)

CPC (source: EP KR US)  
**F04B 27/08** (2013.01 - KR); **F04B 27/1036** (2013.01 - EP US); **F04B 27/1045** (2013.01 - EP US); **F04B 27/1081** (2013.01 - EP US);  
**F04B 39/1066** (2013.01 - EP US)

Citation (search report)  
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• [X] US 5782613 A 19980721 - MICHYUKI HIROMI [JP], et al  
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Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**EP 1462651 A1 20040929**; BR PI0401434 A 20050118; CN 1294358 C 20070110; CN 1534191 A 20041006; JP 2004293421 A 20041021;  
KR 20040086130 A 20041008; US 2004247455 A1 20041209

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