

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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• [XDA] US 5556261 A 19960917 - KIMURA KAZUYA [JP], et al
• [X] US 5782613 A 19980721 - MICHYUKI HIROMI [JP], et al
• [A] US 6454545 B1 20020924 - IKEDA HAYATO [JP], et al
• [A] US 6231315 B1 20010515 - IKEDA HAYATO [JP], et al

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

DOCDB simple family (application)
EP 04007411 A 20040326; BR PI0401434 A 20040325; CN 200410035266 A 20040327; JP 2003087295 A 20030327;
KR 20030084292 A 20031126; US 80883104 A 20040325