

Title (en)  
Compressor housing gasket

Title (de)  
Verdichterzylinderkopfdichtung

Title (fr)  
Joint de culasse de compresseur

Publication  
**EP 1277956 A3 20030827 (EN)**

Application  
**EP 02255062 A 20020719**

Priority  
GB 0117834 A 20010721

Abstract (en)  
[origin: EP1277956A2] A head gasket (5) is disclosed for a reciprocating compressor (1) that comprises a cylinder head (3) and a main body (2) containing a piston assembly (16) and piston valve means (22), the head gasket (5) being formed with fluid channel means (40,91), the arrangement being such that, in use, the fluid channel means (40,91) substantially prevents the piston valve means (22) becoming stuck. In a first embodiment of the invention the fluid channel means is a recess (40) formed by a cut-out (30) extending through the head gasket(5) and a portion of an inner surface of the cylinder head (3). In a second embodiment of the present invention the fluid channel means is formed by a raised portion (91) that extends in a direction away from a planar surface of the head gasket (5). <IMAGE>

IPC 1-7  
**F04B 35/04**; **F04B 39/12**; **F04B 39/00**; **F04B 53/12**

IPC 8 full level  
**F04B 35/04** (2006.01); **F04B 39/00** (2006.01); **F04B 39/12** (2006.01)

CPC (source: EP)  
**F04B 35/045** (2013.01); **F04B 39/0016** (2013.01); **F04B 39/125** (2013.01)

Citation (search report)  
• [XD] US 5603612 A 19970218 - MCGRATH MICHAEL A [GB]  
• [X] US 5226796 A 19930713 - OKAMOTO TAKASHI [JP], et al  
• [X] US 3877842 A 19750415 - GREENE ROBERT RAYMOND, et al  
• [X] DE 1276446 B 19680829 - EARL L SISSON  
• [X] GB 905095 A 19620905 - GEN MOTORS FRANCE

Cited by  
CN106382203A; CN108775278A; DE102004037895B4; DE10323509B4; CN100375841C; CN106415008A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**EP 1277956 A2 20030122**; **EP 1277956 A3 20030827**; **EP 1277956 B1 20050608**; AT E297504 T1 20050615; DE 60204515 D1 20050714; DE 60204515 T2 20060511; GB 0117834 D0 20010912; HK 1054582 A1 20031205

DOCDB simple family (application)  
**EP 02255062 A 20020719**; AT 02255062 T 20020719; DE 60204515 T 20020719; GB 0117834 A 20010721; HK 03105187 A 20030717