

Title (en)  
Compressor

Title (de)  
Verdichter

Title (fr)  
Compresseur

Publication  
**EP 2559902 A2 20130220 (EN)**

Application  
**EP 12007493 A 20040609**

Priority  
• EP 04736465 A 20040609  
• JP 2003163800 A 20030609

Abstract (en)  
A diaphragm (42) is provided between a frame (21) and a stator (33) of an electric motor (24). The diaphragm (42) allows a communication passage (26) to communicate with a gap (39a) and allows a gas passage (40) to communicate with a discharge space (16). Refrigerant gas discharged from a compression mechanism (22) flows thoroughly into the gap (39a), passes through a communication space (15) and the gas passage (40), and then, is discharged from a discharge pipe (18).

IPC 8 full level  
**F04C 18/02** (2006.01); **F04C 29/12** (2006.01); **F04B 39/02** (2006.01); **F04B 39/06** (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR US)  
**F04B 35/04** (2013.01 - KR); **F04B 39/023** (2013.01 - EP KR US); **F04B 39/06** (2013.01 - EP KR US); **F04B 39/121** (2013.01 - KR); **F04C 18/0215** (2013.01 - EP KR US); **F04C 29/045** (2013.01 - EP KR US); **F05B 2210/12** (2013.01 - KR); **F05B 2240/10** (2013.01 - KR)

Citation (applicant)  
• JP H05164069 A 19930629 - HITACHI LTD  
• JP H1022381 A 19980123 - MIYAZAKI OKI DENKI KK, et al  
• JP H02169887 A 19900629 - DAIKIN IND LTD

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

DOCDB simple family (publication)  
**EP 1640609 A1 20060329**; **EP 1640609 A4 20110615**; CN 100432435 C 20081112; CN 1802506 A 20060712; EP 2559902 A2 20130220; EP 2559902 A3 20140514; JP 2005002799 A 20050106; JP 4492043 B2 20100630; KR 100711694 B1 20070502; KR 20060018247 A 20060228; US 2006257272 A1 20061116; WO 2004109108 A1 20041216

DOCDB simple family (application)  
**EP 04736465 A 20040609**; CN 200480015616 A 20040609; EP 12007493 A 20040609; JP 2003163800 A 20030609; JP 2004008418 W 20040609; KR 20057023525 A 20051208; US 55863505 A 20051130