

Title (en)  
ROTARY COMPRESSOR

Title (de)  
ROTATIONSVERDICHTER

Title (fr)  
COMPRESSEUR ROTATIF

Publication  
**EP 3073118 A1 20160928 (EN)**

Application  
**EP 16162407 A 20160324**

Priority  
JP 2015067242 A 20150327

Abstract (en)  
A rotary compressor (1) includes: a sealed vertical compressor housing (10) in which a refrigerant discharging unit is provided at an upper part, a refrigerant intake unit is provided at a lower part, and lubricant oil is retained; a compressing unit (12) configured to be disposed in the compressor housing, include an upper end plate and a lower end plate that block an annular cylinder and end portions of the cylinder, and discharge a refrigerant sucked from the intake unit through the discharging unit by compressing the refrigerant in the cylinder; and a motor (11) configured to be disposed in the compressor housing, include a cylindrical stator (111) and a rotor (112) that is fixed to a rotation axis (15) to rotate in the stator, and drive the compressing unit via the rotation axis.

IPC 8 full level  
**F04C 23/00** (2006.01); **F04C 18/356** (2006.01)

CPC (source: CN EP US)  
**F04C 18/3564** (2013.01 - CN EP US); **F04C 23/008** (2013.01 - EP US); **F04C 23/02** (2013.01 - CN); **F04D 3/00** (2013.01 - US); **F04D 7/00** (2013.01 - US); **F04D 13/06** (2013.01 - US); **F04C 2230/231** (2013.01 - EP US); **F04C 2230/602** (2013.01 - EP US)

Citation (applicant)  
• JP 2010255623 A 20101111 - PANASONIC CORP  
• JP 2008248889 A 20081016 - DAIKIN IND LTD

Citation (search report)  
• [I] EP 2050960 A1 20090422 - DAIKIN IND LTD [JP]  
• [A] EP 2000671 A1 20081210 - DAIKIN IND LTD [JP]  
• [A] EP 2138722 A1 20091230 - DAIKIN IND LTD [JP]  
• [A] EP 2330301 A1 20110608 - MITSUBISHI HEAVY IND LTD [JP]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3073118 A1 20160928**; AU 2016201894 A1 20161013; AU 2016201894 B2 20200604; CN 106014992 A 20161012; CN 106014992 B 20191129; JP 2016186285 A 20161027; JP 6477137 B2 20190306; US 2016281717 A1 20160929

DOCDB simple family (application)  
**EP 16162407 A 20160324**; AU 2016201894 A 20160324; CN 201610177100 A 20160325; JP 2015067242 A 20150327; US 201615080328 A 20160324