

Title (en)
Variable displacement compressor

Title (de)
Verdichter mit variabler Verdrängung

Title (fr)
Compresseur de déplacement variable

Publication
EP 1855003 A2 20071114 (EN)

Application
EP 07107453 A 20070503

Priority
JP 2006133838 A 20060512

Abstract (en)
A variable displacement compressor comprises a flange, a movable body, and a detection sensor. The flange is joined to a housing and forms a flange passage for connecting a refrigerant passage and an external refrigerant circuit. The movable body is movably disposed in the flange, is movable according to a flow rate of refrigerant gas in the flange passage, and has a magnet. The detection sensor is fixed to or in the flange for detecting magnetic flux density of the magnet. The flow rate of the refrigerant gas is detected based on the magnetic flux density detected by the detection sensor. The flange is attachable to and detachable from the housing in a state where the flange is provided with the movable body and the detection sensor.

IPC 8 full level
F04B 27/18 (2006.01); **F04B 39/00** (2006.01)

CPC (source: EP KR US)
F04B 27/0878 (2013.01 - KR); **F04B 27/1081** (2013.01 - EP KR US); **F04B 27/1804** (2013.01 - EP KR US); **F04B 39/0072** (2013.01 - EP KR US); **F04B 2027/1854** (2013.01 - EP KR US); **F04B 2205/04** (2013.01 - EP KR US); **F04B 2205/09** (2013.01 - EP KR US); **F05B 2210/12** (2013.01 - KR); **F05B 2210/14** (2013.01 - KR); **Y10S 417/00** (2013.01 - KR)

Cited by
US10488427B2

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1855003 A2 20071114; BR PI0703889 A 20080311; CN 101070839 A 20071114; JP 2007303416 A 20071122; KR 100834335 B1 20080602; KR 20070109946 A 20071115; US 2007264131 A1 20071115

DOCDB simple family (application)
EP 07107453 A 20070503; BR PI0703889 A 20070511; CN 200710102900 A 20070511; JP 2006133838 A 20060512; KR 20070046035 A 20070511; US 80089207 A 20070507