

Title (en)
Motor-driven compressor

Title (de)
Motorbetriebener Verdichter

Title (fr)
Compresseur motorisé

Publication
EP 2546457 A2 20130116 (EN)

Application
EP 12173519 A 20120626

Priority
JP 2011152559 A 20110711

Abstract (en)
A motor-driven compressor (1) includes an inner housing member (10) that accommodates a compression mechanism (3) and a motor mechanism (5) in a sealed state and also includes an outer housing member (20) that accommodates the inner housing member (10) and has attachment portions (201A, 201 B, 202A, and 202B), which are fixed to a target (9) through bolts (89A, 89B). The inner housing member (10) has a suction port (15) for drawing refrigerant into the compression mechanism (3) and a discharge port (16) for discharging the refrigerant from the compression mechanism (3). A suction member (50) and a discharge member (60), which are connected to the suction port (15) and the discharge port (16), respectively, are fixed to the inner housing member (10). The outer housing member (20) is formed of vibration-absorbing and heat-insulating material and is combined with the inner housing member (10) such that the outer housing member (20) accommodates the inner housing member (10) and is held in a non-contact state with respect to the suction member (50) and the discharge member (60).

IPC 8 full level
F01C 21/10 (2006.01); **F04C 18/02** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP KR US)
F01C 21/10 (2013.01 - EP US); **F04B 39/12** (2013.01 - US); **F04B 39/121** (2013.01 - US); **F04C 18/02** (2013.01 - KR); **F04C 23/008** (2013.01 - EP US); **F04C 29/00** (2013.01 - KR); **F04B 39/127** (2013.01 - US); **F04C 18/0215** (2013.01 - EP US); **F04C 2270/12** (2013.01 - EP US)

Citation (applicant)
JP H11294365 A 19991026 - SHARP KK, et al

Cited by
US9989058B2; WO2014135202A1

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)
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