

Title (en)
Motor-driven compressor

Title (de)
Motorbetriebener Verdichter

Title (fr)
Compresseur motorisé

Publication
EP 2623786 A1 20130807 (EN)

Application
EP 13152990 A 20130129

Priority
JP 2012021092 A 20120202

Abstract (en)
A motor-driven compressor includes a connector receiving portion provided on the outer surface of a housing. A wiring connection portion is provided in the connector receiving portion and supplies electricity from an external power source to a motor drive circuit. An insulating member provided inside the connector receiving portion insulates the wiring connection portion and the connector receiving portion from each other. An electrical wire is arranged between the inner surface of the connector receiving portion and the insulating member. The electric wire is used for a purpose other than supply of electricity to the motor drive circuit. A recess is formed in at least one of the inner surface of the connector receiving portion and the outer surface of the insulating member. The recess forms a wiring space, in which the electrical wire is arranged, between the connector receiving portion and the insulating member.

IPC 8 full level
F04C 18/02 (2006.01); **H01R 13/40** (2006.01)

CPC (source: EP US)
F04B 35/04 (2013.01 - EP US); **F04B 39/121** (2013.01 - EP US); **F04B 39/14** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 23/02** (2013.01 - US); **H01R 13/641** (2013.01 - EP US); **F04C 18/0215** (2013.01 - EP US); **F04C 2240/803** (2013.01 - EP US)

Citation (applicant)
• JP 2009074517 A 20090409 - SANDEN CORP
• JP 2007331606 A 20071227 - SANYO ELECTRIC CO

Citation (search report)
• [A] US 2004118146 A1 20040624 - HALLER DAVID K [US], et al
• [A] US 2010254834 A1 20101007 - TOLBERT JR JOHN W [US]
• [A] US 2009185921 A1 20090723 - BEAGLE WAYNE P [US], et al
• [A] US 6361281 B1 20020326 - WURTH LUKAS M [BE], et al

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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DOCDB simple family (application)
EP 13152990 A 20130129; CN 201310036221 A 20130130; JP 2012021092 A 20120202; US 201313751962 A 20130128