

Title (en)
MOTOR-OPERATED COMPRESSOR

Title (de)
MOTORBETRIEBENER KOMPRESSOR

Title (fr)
COMPRESSEUR MOTORISÉ

Publication
EP 3508728 A3 20191218 (EN)

Application
EP 18211251 A 20181210

Priority
KR 20180001371 A 20180104

Abstract (en)
A motor-operated compressor includes a casing having a sealed internal space, a first scroll fixed in a radial direction in the internal space of the casing, a second scroll engaged with the first scroll to make an orbiting motion to form a pair of two compression chambers with the first scroll, a frame fixed on the opposite side of the first scroll in a radial direction with the second scroll interposed therebetween, a driving motor provided on the opposite side of the second scroll with the frame interposed therebetween, and a rotary shaft having a first end portion coupled to the second scroll in an off-centered manner and a second end portion coupled to the driving motor and transmitting a rotational force from the driving motor to the second scroll, wherein the first end portion of the rotary shaft forms a fixed end supported in the radial direction by members positioned on both sides of the second scroll in an axial direction and the second end portion of the rotary shaft forms a free end coupled to a rotor of the driving motor on the opposite side of the first end portion with respect to the frame.

IPC 8 full level
F04C 23/02 (2006.01); **F01C 21/02** (2006.01); **F04C 18/02** (2006.01); **F04C 29/00** (2006.01); **F04C 29/02** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR US)
F01C 21/02 (2013.01 - EP US); **F04C 18/0215** (2013.01 - EP KR US); **F04C 18/0223** (2013.01 - EP); **F04C 18/0292** (2013.01 - US); **F04C 29/0042** (2013.01 - KR); **F04C 29/0078** (2013.01 - EP US); **F04C 29/0085** (2013.01 - EP US); **F04C 29/02** (2013.01 - US); **F04C 29/023** (2013.01 - EP US); **F04C 29/028** (2013.01 - KR); **F04C 29/047** (2013.01 - EP KR US); **F04C 29/12** (2013.01 - US); **F04C 23/02** (2013.01 - EP US); **F04C 2210/26** (2013.01 - US); **F04C 2240/30** (2013.01 - US); **F04C 2240/403** (2013.01 - EP US); **F04C 2240/50** (2013.01 - EP US); **F04C 2240/51** (2013.01 - EP US); **F04C 2240/52** (2013.01 - EP US); **F04C 2240/60** (2013.01 - US); **F04C 2240/603** (2013.01 - EP US); **F04C 2240/808** (2013.01 - EP US)

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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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