

Title (en)  
COMPRESSOR ARRANGEMENT WITH INTEGRATED MOTOR

Title (de)  
KOMPRESSORANORDNUNG MIT INTEGRIERTEM MOTOR

Title (fr)  
AGENCEMENT DE COMPRESSEUR À MOTEUR INTÉGRÉ

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Application  
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Abstract (en)  
[origin: WO2018050621A1] The invention refers to a rotary compressor arrangement (100) comprising a stationary member (40) centered at a shaft axis (X) and a rotary member (90) rotating around the stationary member (40); the stationary member (40) and the rotary member (90) being inside a hermetically sealed inner volume within the compressor arrangement (100); the compressor arrangement (100) comprising a stator (210) with a winding arrangement (211) generating an electromagnetic force inside the stator (210), the stator (210) being arranged outside the hermetically sealed inner volume; the compressor arrangement (100) further comprising a plurality of magnets (221) directly attached to the rotary member (90) and facing the winding arrangement (211) in the stator (210) such that the rotary member (90) is entrained in rotation by a rotating electromagnetic field from the stator (210). The invention further refers to a cooling/refrigerating system comprising such a rotary compressor arrangement (100).

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