Title (en)
RECIPROCATING REFRIGERATION COMPRESSOR AND METHOD FOR MOUNTING A RECIPROCATING REFRIGERATION COMPRESSOR

Title (de)
KOLBENKÜHLKOMPRESSOR UND VERFAHREN ZUR MONTAGE EINES KOLBENKÜHLKOMPRESSORS

Title (fr)
COMPRESSEUR FRIGORIFIQUE ALTERNATIF ET PROCÉDÉ DE MONTAGE D'UN COMPRESSEUR FRIGORIFIQUE ALTERNATIF

Publication
EP 3126673 B1 20220504 (EN)

Application
EP 15731483 A 20150316

Priority
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- BR 2015050029 W 20150316

Abstract (en)
[origin: WO2015139105A2] The compressor comprises: a crankcase (B) carrying a cylinder (11) and a bearing hub (50) which lodges a crankshaft (60); a valve plate (40) closing one end of the cylinder (11); a piston (20) reciprocating in the cylinder (11) and driven by the rotation of the crankshaft (60); an electric motor (M) having a stator (70) affixed to the crankcase (B) and provided with winding grooves (71) and teeth (72), each tooth carrying a respective shoe (72a), and a rotor (80) affixed to the crankshaft (60) and carrying magnet segments (81). 0 stator (70), the rotor (80) and the crankshaft (60) are mounted in an indexed way, in order to present, in relation to one another, a relative positioning which produces, upon the stop of the electric motor (M) and with the crankshaft (60) and rotor (80) being in the upper dead point condition of the piston (20), a cogging torque capable of taking the piston away from the upper dead point.

IPC 8 full level
F04B 35/04 (2006.01)

CPC (source: CN EP US)
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