

Title (en)
ROTARY COMPRESSOR

Title (de)
ROTATIONSVERDICHTER

Title (fr)
COMPRESSEUR ROTATIF

Publication
EP 3354902 A4 20190529 (EN)

Application
EP 15899910 A 20150924

Priority
CN 2015090608 W 20150924

Abstract (en)
[origin: EP3354902A1] A rotary compressor (100) includes a casing (1), an electric motor (2) and a compression mechanism (3), in which the electric motor (2) includes a stator core (21) and a rotor core (21), the compression mechanism (3) includes an air cylinder assembly (31) and a main bearing (32) connected to a side end face of the cylinder assembly (31) adjacent to the electric motor (2), the largest distance between a side end face of the stator core (21) adjacent to the first end wall (111) and the first end wall (111) is denoted by Dst, the smallest distance between a side end face of the rotor core (21) adjacent to the first end wall (111) and a side end face of a flange portion (321) of the main bearing (32) at one side adjacent to the first end wall (111) is denoted by Drt, in which Dst and Drt satisfy a relationship: $0.335 \leq Dst/Drt \leq 0.838$.

IPC 8 full level
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F04C 23/008 (2013.01 - EP US); **F04C 29/0085** (2013.01 - EP US); **F04C 29/06** (2013.01 - EP US); **F04C 29/065** (2013.01 - US); **F04C 29/068** (2013.01 - US); **F04C 2240/20** (2013.01 - US); **F04C 2240/40** (2013.01 - US); **F04C 2270/135** (2013.01 - US)

Citation (search report)
• [XII] US 2012159983 A1 20120628 - TSUTSUMI TAKAHIRO [JP], et al
• [XII] US 2011081263 A1 20110407 - YOSHINO HAYATO [JP], et al
• [XAI] US 2012007455 A1 20120112 - TANAKA JUNYA [JP]
• See also references of WO 2017049545A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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