

Title (en)  
ROTARY COMPRESSOR

Title (de)  
ROTATIONSVERDICHTER

Title (fr)  
COMPRESSEUR ROTATIF

Publication  
**EP 3354902 A1 20180801 (EN)**

Application  
**EP 15899910 A 20150924**

Priority  
CN 2015090608 W 20150924

Abstract (en)  
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  
**F04C 29/00** (2006.01); **F04C 29/06** (2006.01)

CPC (source: EP US)  
**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)

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

DOCDB simple family (publication)  
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