

Title (en)  
ROTARY COMPRESSOR

Title (de)  
ROTATIONSVERDICHTER

Title (fr)  
COMPRESSEUR ROTATIF

Publication  
**EP 3141755 A1 20170315 (EN)**

Application  
**EP 16186351 A 20160830**

Priority  
JP 2015177347 A 20150909

Abstract (en)  
The present invention provides a rotary compressor having increased efficiency while ensuring reliability of sliding bearings between eccentric shaft portions and rotors. This is achieved by reducing the axial width and the diameter of the eccentric shaft portions and thereby reducing oil film shear loss between the eccentric shaft portions and the rotors. Provided is a rotary compressor in which a drive shaft 14 includes eccentric shaft portions 15, 16, and rotors 25, 26 rotationally movably fitted to the eccentric shaft portions 15, 16, respectively, are configured to eccentrically rotationally move along the inner peripheral surfaces of the cylinder chambers 17, 18 to thereby compress refrigerant gas or other gases, and further in which bearing rings 33, 34 are provided between the eccentric shaft portions 15, 16 and the rotors 25, 26, and the axial widths of the eccentric shaft portions 15, 16 and bearing rings 33, 34 are smaller than the axial widths of the rotors 25, 26.

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Citation (applicant)  
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Citation (search report)  
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CN108443150A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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