

Title (en)
ROTARY COMPRESSOR AND METHOD FOR MANUFACTURING THE SAME

Title (de)
DREHKOMPRESSOR UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
COMPRESSEUR ROTATIF ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3141754 A1 20170315 (EN)

Application
EP 16186345 A 20160830

Priority
JP 2015177348 A 20150909

Abstract (en)
Provided is a rotary compressor which exhibits a high efficiency without an increase in a suction pressure loss due to reduction in a cylinder width and which can be easily assembled without the difficulty in assembly and manufacturing to ensure concentricity even if a suction port extending across a plurality of components is provided. Also provided is a method for manufacturing the rotary compressor. In a rotary compressor 1, two upper and lower cylinder chambers 9, 11 are formed by an upper cylinder 10, a separator plate 13, a lower cylinder 12, an upper bearing 14, and a lower bearing 15, and a single suction port 24 communicating with the upper and lower cylinder chambers 9, 11 is provided to extend across three components including the upper cylinder 10, the separator plate 13, and the lower cylinder 12.

IPC 8 full level
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CPC (source: EP)
F04C 18/3564 (2013.01); **F04C 23/001** (2013.01); **F04C 23/008** (2013.01); **F04C 29/12** (2013.01)

Citation (applicant)
• JP 2010121481 A 20100603 - MITSUBISHI ELECTRIC CORP
• WO 2013057946 A1 20130425 - PANASONIC CORP [JP]
• JP 2015068211 A 20150413 - MITSUBISHI HEAVY IND LTD

Citation (search report)
• [XI] CN 103696963 A 20140402 - GUANGDONG MIDEA TOSHIBA COMPRESSOR CORP
• [X] CN 1978913 A 20070613 - LG ELECTRONICS & ELECTRIC APPL [CN]
• [A] CN 202937450 U 20130515 - ZHUHAI GREE ELEC APPLIANCES, et al

Designated contracting state (EPC)
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