

Title (en)
ROTARY COMPRESSOR

Title (de)
ROTATIONSVERDICHTER

Title (fr)
COMPRESSEUR ROTATIF

Publication
EP 2592279 A4 20150114 (EN)

Application
EP 11825143 A 20110913

Priority
• JP 2010205183 A 20100914
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Abstract (en)
[origin: EP2592279A1] A rotary compressor 1 includes a pair of closing members 11 and 12 that close axial front and rear opening portions of a cylinder 5, and a rotor 6 that is accommodated within the cylinder 5 and rotated by a motor. Concave portions 11C and 12C having the same depth are respectively formed in inner wall surfaces 11A and 12A of the closing members 11 and 12, and the concave portions 11C and 12C are filled with synthetic resin coatings 22. Accordingly, the surfaces of the synthetic resin coatings 22 are flush with the inner wall surfaces 11A and 12A located outwardly adjacent thereto (a left side in the drawing). The rotary compressor 1 which can prevent a seizure on end surfaces 6A and 6B of the rotor 6, and can be manufactured at low cost can be thereby provided.

IPC 8 full level
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CPC (source: EP KR US)
F01C 21/108 (2013.01 - EP US); **F04C 18/00** (2013.01 - US); **F04C 18/344** (2013.01 - KR); **F04C 18/3441** (2013.01 - EP US); **F04C 18/3564** (2013.01 - EP US); **F04C 23/001** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 27/008** (2013.01 - EP US); **F04C 29/00** (2013.01 - KR); **F04C 2230/91** (2013.01 - EP US); **F04C 2240/802** (2013.01 - EP US); **F05C 2253/20** (2013.01 - EP US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2012036141A1

Cited by
EP3037666A4; EP3051135A4

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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