Title (en)

ROTARY COMPRESSOR

Title (de)

ROTATIONSVERDICHTER

Title (fr)

COMPRESSEUR ROTATIF

Publication

EP 3112683 A4 20171115 (EN)

Application

EP 15755988 A 20150203

Priority

- JP 2014039064 A 20140228
- JP 2015052976 W 20150203

Abstract (en)

[origin: EP3112683A1] In a rotary compressor, when it is assumed that a vane width is W, the amount of eccentricity of an eccentric portion is e, a vane leading end curvature radius is R v , an annular piston radius is R ro , and a non-sliding region width on each of both side portions of a vane leading end is W t , the vane width W and the vane leading end curvature radius R v are set such that the non-sliding region width W t on each of both the side portions of the vane leading end defined by the following equation (A) is a value satisfying an equation (B): W t = W / 2 ## e × R v / R v + R ro 0.3 mm #¤ W t #¤ 0.6 mm

IPC 8 full level

F04C 18/356 (2006.01); **F01C 21/08** (2006.01); **F01C 21/10** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP US)

F01C 21/0809 (2013.01 - EP US); **F04C 18/356** (2013.01 - EP US); **F04C 23/001** (2013.01 - US); **F04C 23/008** (2013.01 - EP US); F01C 21/102 (2013.01 - EP US); F04C 2210/268 (2013.01 - US); F04C 2240/40 (2013.01 - US); F04C 2250/20 (2013.01 - EP US); F04C 2250/30 (2013.01 - EP US)

Citation (search report)

- [X] EP 1134418 A2 20010919 - SANYO ELECTRIC CO [JP]
- [X] EP 1233186 A2 20020821 - SANYO ELECTRIC CO [JP]
- See references of WO 2015129406A1

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

DOCDB simple family (publication)

EP 3112683 A1 20170104; **EP 3112683 A4 20171115**; AU 2015224264 A1 20160818; AU 2015224264 B2 20170629; CN 106133321 A 20161116; JP 2015161295 A 20150907; US 2017051739 A1 20170223; WO 2015129406 A1 20150903

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EP 15755988 A 20150203; AU 2015224264 A 20150203; CN 201580008662 A 20150203; JP 2014039064 A 20140228; JP 2015052976 W 20150203; US 201515119091 A 20150203