Title (en)

ROTARY COMPRESSOR

Title (de)

ROTATIONSVERDICHTER

Title (fr)

COMPRESSEUR ROTATIF

Publication

EP 2857688 A4 20150527 (EN)

Application

EP 13797726 A 20130531

Priority

- JP 2012125719 A 20120601
- JP 2013003446 W 20130531

Abstract (en)

[origin: EP2857688A1] If a gap formed between an outer peripheral surface of a piston and an inner peripheral surface of a cylinder in a state where an eccentric portion is disposed at a position of a predetermined crank angle from a position of a vane and the piston is made to abut against a most eccentric position of the eccentric portion and an inner peripheral surface of an upper bearing is made to abut against a main shaft outer peripheral surface of the crankshaft when a rotary compressor is assembled is defined as ´, a minimum value ´min of the gap ´ is set at a crank angle substantially opposite from a maximum load direction of the crankshaft during operation of the rotary compressor.

IPC 8 full level

F04C 18/356 (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)

F04C 18/3564 (2013.01); F04C 23/008 (2013.01); F04C 2230/602 (2013.01)

Citation (search report)

- [XI] JP H01138393 A 19890531 - DAIKIN IND LTD
- [XI] WO 2010013375 A1 20100204 - PANASONIC CORP [JP], et al
- [A] EP 1195526 A1 20020410 - SANYO ELECTRIC CO [JP]
- See references of WO 2013179677A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2857688 A1 20150408; **EP 2857688 A4 20150527**; **EP 2857688 B1 20200429**; CN 103782037 A 20140507; CN 103782037 B 20160120; JP 6350916 B2 20180704; JP WO2013179677 A1 20160118; WO 2013179677 A1 20131205

DOCDB simple family (application)

EP 13797726 A 20130531; CN 201380002908 A 20130531; JP 2013003446 W 20130531; JP 2014518295 A 20130531