

Title (en)  
ROTARY COMPRESSOR

Title (de)  
ROTATIONSVERDICHTER

Title (fr)  
COMPRESSEUR ROTATIF

Publication  
**EP 2857688 B1 20200429 (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  $\gamma$ , a minimum value  $\gamma_{\min}$  of the gap  $\gamma$  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 (examination)  
JP 2010116782 A 20100527 - DAIKIN IND LTD

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 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