

Title (en)

TWO-WAY-ROTATING SCROLL COMPRESSOR AND METHOD FOR ASSEMBLING SAME

Title (de)

IN ZWEI RICHTUNGEN ROTIERENDER SPIRALVERDICHTER UND VERFAHREN ZUR MONTAGE DAVON

Title (fr)

COMPRESSEUR À SPIRALE À ROTATION DOUBLE, ET PROCÉDÉ D'ASSEMBLAGE DE CELUI-CI

Publication

EP 3569862 A4 20200617 (EN)

Application

EP 18754702 A 20180207

Priority

- JP 2017028083 A 20170217
- JP 2018004225 W 20180207

Abstract (en)

[origin: EP3569862A1] A co-rotating scroll compressor includes a driving-side scroll member (70) that is rotationally driven by a driving unit and includes a spiral driving-side wall (71b) disposed on a driving-side end plate (71a), and a driven-side scroll member that includes a driven-side wall corresponding to the driving-side wall (71b), the driven-side wall being disposed on a driven-side end plate and engaging with the driving-side wall (71b) to form a compression chamber. Positioning pins (40) that position a phase of the driving-side scroll member (70) around a driving-side rotation axis (CL1) are provided at two positions around the driving-side rotation axis (CL1) at a front end of the driving-side wall (71b) in an axis direction, and dummy pins (41) that are provided at equal angular intervals around the driving-side rotation axis (CL1) with the positioning pins (40) are provided.

IPC 8 full level

F04C 18/02 (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP US)

F04C 18/023 (2013.01 - US); **F04C 18/0238** (2013.01 - EP US); **F04C 23/001** (2013.01 - US); **F04C 27/007** (2013.01 - US); **F04C 29/0057** (2013.01 - US); **F01C 17/066** (2013.01 - US); **F04C 23/008** (2013.01 - US); **F04C 2240/20** (2013.01 - EP)

Citation (search report)

- [XII] US 2013309116 A1 20131121 - UNAMI ATSUSHI [JP], et al
- [XII] US 2013302199 A1 20131114 - UNAMI ATSUSHI [JP], et al
- [XII] JP 2016089677 A 20160523 - ANEST IWATA CORP
- See references of WO 2018150977A1

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 3569862 A1 20191120; **EP 3569862 A4 20200617**; CN 110337543 A 20191015; CN 110337543 B 20210528; JP 2018132036 A 20180823; JP 6787814 B2 20201118; US 2019376513 A1 20191212; WO 2018150977 A1 20180823

DOCDB simple family (application)

EP 18754702 A 20180207; CN 201880012029 A 20180207; JP 2017028083 A 20170217; JP 2018004225 W 20180207; US 201816485601 A 20180207