

Title (en)  
SCROLL COMPRESSOR

Title (de)  
SPIRALVERDICHTER

Title (fr)  
COMPRESSEUR À SPIRALES

Publication  
**EP 3824186 A4 20210922 (EN)**

Application  
**EP 19864598 A 20190926**

Priority  

- JP 2018183776 A 20180928
- JP 2019001138 A 20190108
- KR 20190112190 A 20190910
- KR 2019012532 W 20190926

Abstract (en)  
[origin: JP2020056394A] To optimize a position at which a load is applied from a support member to a movable scroll.SOLUTION: A scroll compressor includes: a fixed scroll fixed to an interior of a housing; a movable scroll which engages with the fixed scroll and revolves; a rotary shaft which causes the movable scroll to revolve; a holding member which holds the fixed scroll from the opposite side of the movable scroll; and a support member which is provided between the rotary shaft and the holding member and supports the movable scroll by a load applied to a position offset from a center of the movable scroll.SELECTED DRAWING: Figure 1

IPC 8 full level  
**F04C 18/02** (2006.01); **F01C 21/00** (2006.01); **F04C 23/00** (2006.01); **F04C 27/00** (2006.01); **F04C 29/00** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP KR)  
**F01C 21/007** (2013.01 - EP); **F04C 18/0215** (2013.01 - EP KR); **F04C 23/008** (2013.01 - EP); **F04C 27/005** (2013.01 - EP); **F04C 29/005** (2013.01 - KR); **F04C 29/12** (2013.01 - KR); **F04C 2210/26** (2013.01 - KR); **F04C 2240/20** (2013.01 - KR); **F04C 2240/50** (2013.01 - KR); **F04C 2240/56** (2013.01 - EP); **F04C 2240/60** (2013.01 - KR); **F04C 2240/80** (2013.01 - KR); **F05B 2210/14** (2013.01 - KR); **F05B 2240/20** (2013.01 - KR); **F05B 2240/50** (2013.01 - KR); **F05B 2240/57** (2013.01 - KR); **F05B 2240/60** (2013.01 - KR)

Citation (search report)  

- [X1] EP 1002953 B1 20041215 - MITSUBISHI ELECTRIC CORP [JP]
- [X1] JP 2000337276 A 20001205 - MITSUBISHI ELECTRIC CORP
- [XD1] JP 5641978 B2 20141217
- [XA1] US 2015354572 A1 20151210 - YOKOYAMA TETSUhide [JP], et al
- See also references of WO 2020067739A1

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)  
CN 112771272 A 20210507; CN 112771272 B 20230324; EP 3824186 A1 20210526; EP 3824186 A4 20210922; EP 3824186 B1 20230823; JP 2020056394 A 20200409; KR 102671683 B1 20240610; KR 20200037730 A 20200409

DOCDB simple family (application)  
CN 201980063461 A 20190926; EP 19864598 A 20190926; JP 2019001138 A 20190108; KR 20190112190 A 20190910