

Title (en)
DOUBLE ROTATING SCROLL-TYPE COMPRESSOR

Title (de)
ROTIERENDER DOPPELSPIRALVERDICHTER

Title (fr)
COMPRESSEUR DU TYPE À DOUBLE VOLUTE À ROTATION

Publication
EP 3480464 A4 20190508 (EN)

Application
EP 17836980 A 20170801

Priority
• JP 2016151544 A 20160801
• JP 2017027939 W 20170801

Abstract (en)
[origin: EP3480464A1] A co-rotating scroll compressor includes a driving-side scroll member (70), a driven-side scroll member (90), and a housing (3) that accommodates both of the scroll members (70, 90). The housing (3) includes partition surfaces (P) partitioned at a plane including both of the scroll members (70, 90) and approximately orthogonal to rotational axes (CL1, CL2) of the scroll members, and flange parts (30) that fasten the partition surfaces in a region on a periphery of the scroll members (70, 90) and on a lateral side when seen from a straight line (L1) connecting the rotational axes (CL1, CL2) of the scroll members (70, 90) to each other.

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP US)
F04C 18/0215 (2013.01 - US); **F04C 18/023** (2013.01 - EP US); **F04C 2240/30** (2013.01 - US); **F04C 2240/40** (2013.01 - US); **F04C 2240/50** (2013.01 - US); **F04C 2240/603** (2013.01 - US)

Citation (search report)
• [X1] US 2013309116 A1 20131121 - UNAMI ATSUSHI [JP], et al
• [X1] US 2013315767 A1 20131128 - UNAMI ATSUSHI [JP], et al
• [X1] US 2013302199 A1 20131114 - UNAMI ATSUSHI [JP], et al
• [X1] WO 9010157 A1 19900907 - ZEXEL CORP [JP], et al
• See also references of WO 2018025877A1

Cited by
US10995755B2

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 3480464 A1 20190508; EP 3480464 A4 20190508; EP 3480464 B1 20200930; CN 109729720 A 20190507; CN 109729720 B 20201229; JP 2018021464 A 20180208; JP 6665055 B2 20200313; US 2020378383 A1 20201203; WO 2018025877 A1 20180208

DOCDB simple family (application)
EP 17836980 A 20170801; CN 201780047356 A 20170801; JP 2016151544 A 20160801; JP 2017027939 W 20170801; US 201716321661 A 20170801