

Title (en)
TWIN ROTARY SCROLL TYPE COMPRESSOR

Title (de)
ROTIERENDER DOPPELSPIRALVERDICHTER

Title (fr)
COMPRESSEUR DE TYPE À DOUBLE SPIRALE ROTATIVE

Publication
EP 3613985 A4 20200527 (EN)

Application
EP 18848562 A 20180824

Priority

- JP 2017162663 A 20170825
- JP 2017173038 A 20170908
- JP 2017192774 A 20171002
- JP 2017203804 A 20171020
- JP 2018031262 W 20180824

Abstract (en)
[origin: EP3613985A1] This co-rotating scroll compressor is provided with: a first side plate (27) which is arranged on the side of a drive-side rotational axis direction (CL1) with respect to a drive-side scroll member (70) and a driven-side scroll member (90), a second side plate (30) fixed at a predetermined gap in the direction of the drive-side rotational axis (CL1) with respect to the first side plate (27), and a center plate (20) arranged between the first side plate (27) and the second side plate (30). The first side plate (27) is fixed to the driven-side scroll member (90), and the center plate (20) is fixed to the drive-side scroll member (70). A synchronization drive mechanism equipped with a crank pin (15) is disposed between the first side plate (27) and second side plate (30) and the center plate (20).

IPC 8 full level
F04C 18/02 (2006.01); **F01C 17/06** (2006.01)

CPC (source: EP US)
F01C 17/063 (2013.01 - EP); **F04C 18/02** (2013.01 - EP); **F04C 18/0215** (2013.01 - US); **F04C 18/0238** (2013.01 - EP); **F04C 23/008** (2013.01 - US); **F04C 18/023** (2013.01 - US); **F04C 18/0246** (2013.01 - US); **F04C 27/005** (2013.01 - US); **F04C 29/0057** (2013.01 - US); **F04C 2230/602** (2013.01 - US); **F04C 2240/50** (2013.01 - US); **F04C 2240/603** (2013.01 - US)

Citation (search report)

- [X] US 9316223 B2 20160419 - UNAMI ATSUSHI [JP], et al
- [X] JP H0343688 A 19910225 - DAIKIN IND LTD
- [X] US 5346374 A 19940913 - GUETTINGER HEINRICH [CH]
- [A] WO 2008023417 A1 20080228 - KAWAZOE SHINJI [JP]
- See references of WO 2019039575A1

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 3613985 A1 20200226; EP 3613985 A4 20200527; CN 110959072 A 20200403; JP 6804655 B2 20201223; JP WO2019039575 A1 20200227; US 2020088193 A1 20200319; WO 2019039575 A1 20190228

DOCDB simple family (application)
EP 18848562 A 20180824; CN 201880033774 A 20180824; JP 2018031262 W 20180824; JP 2019537700 A 20180824; US 201816615478 A 20180824