

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À SPIRALES

Publication
EP 3791071 A4 20210421 (EN)

Application
EP 19829902 A 20190703

Priority
• JP 2018127719 A 20180704
• KR 20190070973 A 20190614
• KR 2019008120 W 20190703

Abstract (en)
[origin: WO2020009466A1] A scroll compressor includes a fixed scroll fixed inside a housing, an orbiting scroll configured to orbit engaged with the fixed scroll, a rotary shaft configured to allow the orbiting scroll to orbit by supporting the orbiting scroll with an eccentric shaft eccentric from a main shaft, and a slide bush portion installed between a bearing of the orbiting scroll and the eccentric shaft and according to a rotational speed of the rotary shaft, configured to change a pressing force of the orbiting scroll applied to the fixed scroll by allowing an eccentricity to be changed by a gas load applied to the orbiting scroll.

IPC 8 full level
F04C 18/02 (2006.01); **F04C 23/00** (2006.01); **F04C 28/22** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP KR US)
F04C 18/0215 (2013.01 - EP KR US); **F04C 18/0246** (2013.01 - US); **F04C 29/0021** (2013.01 - EP); **F04C 29/0057** (2013.01 - EP US);
F04C 29/12 (2013.01 - US); **F04C 23/008** (2013.01 - EP); **F04C 2210/26** (2013.01 - KR); **F04C 2240/80** (2013.01 - KR);
F04C 2250/10 (2013.01 - US); **F04C 2250/20** (2013.01 - US); **F04C 2270/03** (2013.01 - EP); **F05B 2210/14** (2013.01 - KR)

Citation (search report)
[XA] EP 0718500 A1 19960626 - CARRIER CORP [US]

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)
WO 2020009466 A1 20200109; CN 112384699 A 20210219; CN 112384699 B 20221014; EP 3791071 A1 20210317; EP 3791071 A4 20210421;
JP 2020007928 A 20200116; KR 102640864 B1 20240228; KR 20200004748 A 20200114

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KR 2019008120 W 20190703; CN 201980044958 A 20190703; EP 19829902 A 20190703; JP 2018127719 A 20180704;
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