

Title (en)
SCREW COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR À VIS

Publication
EP 3683445 A4 20201209 (EN)

Application
EP 18874619 A 20181017

Priority
• JP 2017208828 A 20171030
• JP 2018038630 W 20181017

Abstract (en)
[origin: EP3683445A1] Disclosed is a screw compressor (1) including a slide valve mechanism (50) configured to adjust an opening area of a cylinder opening (51A, 51B) of a cylinder (25) of a casing (10). A plurality of valve members (52A, 52B) are arranged for a single compression chamber, and move in an axial direction of a screw rotor to adjust the opening area of the cylinder opening (51A, 51B). The casing (10) has a plurality of valve housing portions (53A, 53B) housing the valve members (52A, 52B), respectively.

IPC 8 full level
F04C 18/52 (2006.01); **F04C 28/12** (2006.01)

CPC (source: EP)
F04C 18/52 (2013.01); **F04C 28/12** (2013.01)

Citation (search report)
• [X] JP 2012197734 A 20121018 - DAIKIN IND LTD
• [X] US 2008206075 A1 20080828 - PICOUE JEAN LOUIS [US]
• [X] WO 2017174130 A1 20171012 - BITZER KÜHLMASCHINENBAU GMBH [DE]
• [X] WO 2017175298 A1 20171012 - MITSUBISHI ELECTRIC CORP [JP]
• [X] EP 2623789 A1 20130807 - DAIKIN IND LTD [JP]
• See references of WO 2019087785A1

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 3683445 A1 20200722; EP 3683445 A4 20201209; EP 3683445 B1 20231108; CN 111183288 A 20200519; CN 111183288 B 20210326; JP 2019082123 A 20190530; JP 6500964 B1 20190417; WO 2019087785 A1 20190509

DOCDB simple family (application)
EP 18874619 A 20181017; CN 201880063296 A 20181017; JP 2017208828 A 20171030; JP 2018038630 W 20181017