

Title (en)
SCREW COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR À VIS

Publication
EP 3204648 B1 20211222 (DE)

Application
EP 15771988 A 20151005

Priority
• DE 102014114605 A 20141008
• DE 102015116324 A 20150928
• EP 2015072934 W 20151005

Abstract (en)
[origin: WO2016055412A1] The invention relates to a screw compressor comprising: a compressor housing (12) with a rotor chamber (18) arranged therein; two rotors that are arranged in said rotor chamber and rotatably mounted on said compressor housing; and at least one control valve (52, 54) which is arranged in a valve channel of said compressor housing and is adjacent to the two rotors (26, 28) by means of valve compression wall surfaces, said control valve being displaceable in a displacement direction parallel to the rotor axes; as well as a position-detector device (152), for said at least one control valve, comprising a position display element (156, 158) that is coupled to the at least one control valve, said at least one position display element interacting with a detector element (154) that extends parallel to the displacement direction of the at least one control valve (52, 54), said position display element (156, 158) being able to be moved along said detector element, and this detector element (154) being coupled to an evaluation device (192) which detects the positions of said position display element (156, 158) along the detector element (154).

IPC 8 full level
F04C 28/12 (2006.01); **F04C 18/16** (2006.01)

CPC (source: CN EP RU US)
F04C 18/16 (2013.01 - CN EP RU US); **F04C 28/12** (2013.01 - CN EP RU US); **F04C 28/20** (2013.01 - US); **F04C 28/28** (2013.01 - US); **F04C 2240/30** (2013.01 - US); **F04C 2240/56** (2013.01 - US); **F04C 2240/81** (2013.01 - CN EP 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

DOCDB simple family (publication)
DE 102015116324 A1 20160414; CN 106795884 A 20170531; CN 106795884 B 20181214; EP 3204648 A1 20170816; EP 3204648 B1 20211222; RU 2017116018 A 20181112; RU 2017116018 A3 20181112; RU 2684053 C2 20190403; US 10794382 B2 20201006; US 2017211574 A1 20170727; WO 2016055412 A1 20160414

DOCDB simple family (application)
DE 102015116324 A 20150928; CN 201580054579 A 20151005; EP 15771988 A 20151005; EP 2015072934 W 20151005; RU 2017116018 A 20151005; US 201715482021 A 20170407