

Title (en)
SCREW COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR A VIS

Publication
EP 3169902 B1 20180919 (DE)

Application
EP 15736789 A 20150710

Priority
• DE 102014010534 A 20140719
• EP 2015001413 W 20150710

Abstract (en)
[origin: WO2016012083A1] Disclosed is a screw compressor, in particular for refrigeration systems, comprising a compressor housing (1) which at least partly encloses the compressor, an integrated suction gas filter (2) and a non-return valve (7) that is to be actuated by pressurized gas; the compressor housing (1) has grooves, in particular drilled or cast ducts (13, 16 22, 23, 24) to which pressurized gas can be fed in order to control the non-return valve (7).

IPC 8 full level
F04C 29/12 (2006.01); **F04C 18/16** (2006.01); **F04C 29/00** (2006.01)

CPC (source: CN EP US)
F04C 18/16 (2013.01 - CN EP US); **F04C 29/0092** (2013.01 - CN US); **F04C 29/126** (2013.01 - CN EP US); **F04C 2240/30** (2013.01 - 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 102014010534 A1 20160121; CN 107076151 A 20170818; CN 107076151 B 20200724; DK 3169902 T3 20190114;
EP 3169902 A1 20170524; EP 3169902 B1 20180919; US 10648473 B2 20200512; US 2017211575 A1 20170727;
WO 2016012083 A1 20160128

DOCDB simple family (application)
DE 102014010534 A 20140719; CN 201580039012 A 20150710; DK 15736789 T 20150710; EP 15736789 A 20150710;
EP 2015001413 W 20150710; US 201515326524 A 20150710