

Title (en)
SCREW COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR A VIS

Publication
EP 3169902 A1 20170524 (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)

Citation (search report)
See references of WO 2016012083A1

Designated contracting state (EPC)
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DE 102014010534 A 20140719; CN 201580039012 A 20150710; DK 15736789 T 20150710; EP 15736789 A 20150710; EP 2015001413 W 20150710; US 201515326524 A 20150710