

Title (en)
SCREW PUMP

Title (de)
SCHRAUBENPUMPE

Title (fr)
POMPE À VIS

Publication
EP 3467314 A3 20190417 (DE)

Application
EP 18208219 A 20130612

Priority

- EP 12174029 A 20120628
- EP 13729688 A 20130612
- EP 2013062177 W 20130612

Abstract (en)
[origin: WO2014001089A1] The invention relates to a screw pump having two screws (14), in which each screw (14) has a first thread (19) and a second thread (19). The threads (19) each extend from a suction side (20) to a pressure side (21) and mesh with each other such that the threads (19) are divided into a plurality of working chambers, the volume of which decreases from the suction side (20) to the pressure side (21). According to the invention, the threads (19) have two thread turns.

IPC 8 full level
F04C 18/08 (2006.01); **F04C 18/16** (2006.01)

CPC (source: CN EP KR US)
F04C 18/084 (2013.01 - CN EP US); **F04C 18/086** (2013.01 - CN EP US); **F04C 18/16** (2013.01 - CN EP KR US);
F04C 23/003 (2013.01 - US); **F04C 29/12** (2013.01 - EP US); **F04C 23/001** (2013.01 - EP US); **F04C 2220/12** (2013.01 - CN EP KR US);
F04C 2230/605 (2013.01 - CN EP KR US); **F04C 2240/402** (2013.01 - CN EP KR US); **F04C 2250/101** (2013.01 - EP US)

Citation (search report)

- [XYI] US 2011158841 A1 20110630 - LIU DING-KUEY [TW], et al
- [Y] DE 4426761 A1 19960125 - KUEHLAUTOMAT BERLIN GMBH KAB [DE]

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)
WO 2014001089 A1 20140103; CN 104520587 A 20150415; CN 104520587 B 20161207; EP 2867532 A1 20150506; EP 2867532 B1 20190220;
EP 3467314 A2 20190410; EP 3467314 A3 20190417; EP 3467314 B1 20210804; KR 102024218 B1 20190923; KR 20150023901 A 20150305;
TW 201405010 A 20140201; TW I589778 B 20170701; US 2016053761 A1 20160225; US 9845803 B2 20171219

DOCDB simple family (application)
EP 2013062177 W 20130612; CN 201380034163 A 20130612; EP 13729688 A 20130612; EP 18208219 A 20130612;
KR 20157002260 A 20130612; TW 102122719 A 20130626; US 201314409002 A 20130612