

Title (en)
Vacuum pump

Title (de)
Vakuumpumpe

Title (fr)
Pompe à vide

Publication
EP 2607706 B1 20181017 (DE)

Application
EP 12194041 A 20121123

Priority
DE 202011109517 U 20111223

Abstract (en)
[origin: EP2607706A2] The pump has a rotor with rotor disks (12) and a stator arranged in a pump casing. The stator has annular stator disks (14) and stator rings (22) arranged between the adjacent rotor disks. A spring element (24) is arranged between the adjacent stator disks and pushes apart the stator disks and stator rings, where axial forces (26, 28) act on the stator disks and stator rings by the spring element. The spring element surrounds the rotor disks and is comprised of elastomer. A housing flange (32) axially lies at the casing.

IPC 8 full level
F04D 19/04 (2006.01); **F04D 29/54** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP)
F04D 19/042 (2013.01); **F04D 29/542** (2013.01); **F04D 29/644** (2013.01)

Cited by
FR3135306A1; US10844864B2; WO2023213458A1

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 202011109517 U1 20130325; EP 2607706 A2 20130626; EP 2607706 A3 20140409; EP 2607706 B1 20181017

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