

Title (en)
Vacuum pump

Title (de)
Vakuumpumpe

Title (fr)
Pompe à vide

Publication
EP 1798417 A3 20100519 (DE)

Application
EP 06023139 A 20061107

Priority
DE 102005059636 A 20051214

Abstract (en)
[origin: EP1798417A2] The vacuum pump (1) has a rapidly rotating rotor (2) with attached active pump components (4), a stator (9) with attached active pump components (5) and first and second housing components (10,11). The first and second housing components have mutually overlapping structures at their joint point (13) to provide locking of the components against a movement solely in the axial direction.

IPC 8 full level
F04D 19/04 (2006.01)

CPC (source: EP)
F04D 19/042 (2013.01); **F04D 29/522** (2013.01); **F04D 29/644** (2013.01)

Citation (search report)

- [X] EP 1517045 A2 20050323 - PFEIFFER VACUUM GMBH [DE]
- [X] EP 1413761 A2 20040428 - BOC TECHNOLOGIES LTD [JP]
- [A] US 2003175113 A1 20030918 - MIWATA TOORU [JP], et al
- [A] JP 2000073986 A 20000307 - JEOL LTD

Cited by
CN113167281A; WO2022258410A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1798417 A2 20070620; EP 1798417 A3 20100519; EP 1798417 B1 20110907; AT E523693 T1 20110915; DE 102005059636 A1 20070621

DOCDB simple family (application)
EP 06023139 A 20061107; AT 06023139 T 20061107; DE 102005059636 A 20051214