

Title (en)
Turbo molecular pump

Title (de)
Turbomolekularpumpe

Title (fr)
Pompe turbomoléculaire

Publication
EP 1498612 B1 20150729 (DE)

Application
EP 04014174 A 20040617

Priority
DE 10331932 A 20030715

Abstract (en)
[origin: EP1498612A2] The turbomolecular pump has rotor and stator discs (14,16) arranged to alternate and interacting to create a pumping effect. The stator discs are spaced apart by distance rings (18,19) which are designed so that they form a fixed connection with the respective adjacent ring so that they undertake in their entirety the fixing and centering of the stator discs. The fixed connection between the distance rings is created by a screw thread or clip lock fastening .

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

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

Cited by
WO2009089958A1; DE102007048703A1; EP1918588A3; US8562293B2

Designated contracting state (EPC)
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EP 04014174 A 20040617; DE 10331932 A 20030715; JP 2004164365 A 20040602; US 89073004 A 20040714