

Title (en)  
Turbo molecular pump

Title (de)  
Turbomolekularpumpe

Title (fr)  
Pompe turbo-moléculaire

Publication  
**EP 1096152 A3 20011017 (DE)**

Application  
**EP 00122662 A 20001018**

Priority  
DE 19951954 A 19991028

Abstract (en)  
[origin: EP1096152A2] The turbo molecular pump has rotor discs (10) and stator discs (14) stacked in alternation within a cylindrical pump housing, cooperating for providing a pump effect. Each stator disc has a distance ring (16) which determines the distance between adjacent stator discs, with part (17) of the cylindrical housing forming an integral stator element (12). The rotor discs are attached to a rotor shaft (4) via clamp elements (24).

IPC 1-7  
**F04D 19/04**; **F04D 29/52**; **F04D 29/08**

IPC 8 full level  
**F04D 19/04** (2006.01); **F04D 29/08** (2006.01); **F04D 29/52** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP US)  
**F04D 19/042** (2013.01 - EP US); **F04D 29/083** (2013.01 - EP US); **F04D 29/644** (2013.01 - EP US)

Citation (search report)  
[A] US 3168978 A 19650209 - LOUIS GARNIER HENRI, et al

Cited by  
US8790070B2; WO2010023200A1; TWI424121B; EP2896837A2; DE102014100622A1

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**EP 1096152 A2 20010502**; **EP 1096152 A3 20011017**; **EP 1096152 B1 20080423**; AT E393314 T1 20080515; DE 19951954 A1 20010503; DE 50015120 D1 20080605; JP 2001153087 A 20010605; US 6461123 B1 20021008

DOCDB simple family (application)  
**EP 00122662 A 20001018**; AT 00122662 T 20001018; DE 19951954 A 19991028; DE 50015120 T 20001018; JP 2000320537 A 20001020; US 69492300 A 20001024