

Title (en)  
Turbomolecular pump

Title (de)  
Turbomolekularpumpe

Title (fr)  
Pompe turbo-moléculaire

Publication  
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Application  
**EP 01909681 A 20010124**

Priority  
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• EP 0100726 W 20010124

Abstract (en)  
[origin: DE10004271A1] The invention relates to a friction vacuum pump (1) comprising a fixed element (7) bearing rows of stator blades and a rotating element (6) bearing rows of rotor blades. The rows of stator blades and rotor blades are arranged concentrically with respect to the axis of rotation (4) of the rotating element (6) and engage with each other. In order to create a short friction pump, the elements (6,7) bearing the rows of rotor blades and stator blades extend in a substantially radial manner and the longitudinal axes of the blades (2,3) extend in a substantially axial manner.  
[origin: DE10004271A1] The disc-form component parts(6,7) supporting the rotor and stator blade rows extend radially and the longitudinal axes of the blades(2,3) extend axially. Medium flows through the pump from the outside inwards, and the blade width decreases from the outside inwards. The stationary component(7) supporting the stator blades is a component part of the pump casing(8). The pump is of double or multifold configuration, and several radially feeding pump stages may be arranged axially one behind the other.

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**F04D 17/16**; **F04D 17/12**

IPC 8 full level  
**F04D 17/12** (2006.01); **F04D 17/16** (2006.01)

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