

Title (en)  
FRICTION VACUUM PUMP WITH A STATOR AND A ROTOR

Title (de)  
REIBUNGSVAKUUMPUMPE MIT STATOR UND ROTOR

Title (fr)  
POMPE A VIDE A FRICTION DOTEE D'UN STATOR ET D'UN ROTOR

Publication  
**EP 1078166 B2 20070905 (DE)**

Application  
**EP 98946450 A 19980911**

Priority  
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• EP 9805802 W 19980911

Abstract (en)  
[origin: DE19821634A1] The connection openings (36,37) lie in one plane end parallel to the rotor axis (15). The pump stages (12-14) lie to one side of the connections with stages (13,14) of larger diameter than the preceding stages (12,13) in which case the angle of the opening (36,37) plane is adapted to the increasing diameter in the direction of axis (15). The two openings form part of the general housing (2) and the first two stages (12,13) are turbo-molecular with rotors and stator designed to give high compression ratio in stage (11) and high vacuum in stage (13). Both stages (12,13) are spaced (a) by one third of the motor diameter. The diameter of connection (37) joined to gas inlet (38) amounts to twice the pump stage spacing specified (a).

IPC 8 full level  
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CPC (source: EP KR US)  
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Opponent :  
• DE 2442614 A1 19760318 - SIEMENS AG  
• "Vakuumtechnik-Grundlagen und Anwendungen", S. 77, Carl Hanser Verlag München-Wien, 1991

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DOCDB simple family (publication)  
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