

Title (en)  
FRICTION VACUUM PUMP WITH INTERMEDIATE INLET

Title (de)  
REIBUNGSVAKUUMPUMPE MIT ZWISCHENEINLASS

Title (fr)  
POMPE A VIDE A FRICTION A ADMISSION INTERMEDIAIRE

Publication  
**EP 0856108 A1 19980805 (DE)**

Application  
**EP 96928437 A 19960809**

Priority  
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Abstract (en)  
[origin: WO9715760A1] The invention concerns a friction vacuum pump (1) with an inlet (11), an outlet (20) and a rotor (6, 7) and stator (14, 21) which are located between the inlet (11) and the outlet (20) and carry blades (7 and 8), respectively. In order to design an intermediate inlet (28), which passes into an annular channel (31) surrounding the stator and rotor blades (7 and 8), respectively, so that it is simple and effective, the invention proposes that the stator (21) consists of annular blades or blade segments (25) and annular spacers (22, 23, 24), the outer edges of the annular blades or blade segments (25) being located between the spacers (22, 23, 24) and at least one spacer (23, 24) located at the height of the annular channel (31) having perforations (32) in it.

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IPC 8 full level  
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