

Title (en)
FRICTION VACUUM PUMP WITH INTERMEDIATE INLET

Title (de)
REIBUNGSVAKUUMPUMPE MIT ZWISCHENEINLASS

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

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EP 0856108 B1 20020703 (DE)

Application
EP 96928437 A 19960809

Priority
• DE 29516599 U 19951020
• EP 9603524 W 19960809

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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F04D 19/04

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