

Title (en)
FRICTION VACUUM PUMP

Title (de)
REIBUNGSVAKUUMPUMPE

Title (fr)
POMPE A VIDE ROTATIVE

Publication
EP 0918938 B1 20020206 (DE)

Application
EP 97931744 A 19970702

Priority
• DE 19632874 A 19960816
• EP 9703477 W 19970702

Abstract (en)
[origin: DE19632874A1] A friction vacuum pump has at least one turbomolecular pump stage (2) joined at its pressure side to a screw pump stage (4). In order to improve the pump properties, a filling stage (3) is arranged between the turbomolecular pump stage (2) and the screw pump stage (4) and has blades (13) whose length corresponds at the suction side to the active length of the blades at the pressure side of the turbomolecular pump stage (2) and at the pressure side to the depth of the suction-side area of the screw (14) of the screw stage (4).

IPC 1-7
F04D 19/04

IPC 8 full level
F04C 23/00 (2006.01); **F04D 19/04** (2006.01)

CPC (source: EP US)
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