

Title (en)  
SCREW SPINDLE VACUUM PUMP AND OPERATING METHOD

Title (de)  
SCHRAUBENSPINDELVAKUUMPUMPE UND VERFAHREN ZUM BETRIEB DERSELBEN

Title (fr)  
POMPE A VIDE A VIS ET SON PROCEDE DE FONCTIONNEMENT

Publication  
**EP 0988453 A1 20000329 (DE)**

Application  
**EP 98934953 A 19980609**

Priority  
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• EP 9803544 W 19980609

Abstract (en)  
[origin: US6273696B1] Screw-spindle vacuum pump with at least three closed-off feed chambers located one behind the other along each rotor and method for operating this compressor. The chamber which is last on the delivery side is brought virtually to the compression limit pressure by means of pre-admission, shortly before it opens towards the delivery side, by supplying a pre-admission stream which is at least five times as great as the intake mass stream. A precondition, in this case, is a minimum ratio of external compression to internal compression of five.

IPC 1-7  
**F04C 29/04**; **F04C 18/16**; **F04C 29/00**

IPC 8 full level  
**F04C 18/16** (2006.01); **F04C 25/02** (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR US)  
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