

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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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.

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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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