

Title (en)
SCREW VACUUM PUMP

Title (de)
SCHRAUBEN-VAKUUMPUMPE

Title (fr)
POMPE À VIDE À VIS

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Abstract (en)
[origin: WO2011138318A2] The invention relates to a screw vacuum pump comprising screw rotors (12, 14) disposed in a suction chamber (10). The screw rotors (12, 14) are each supported by means of two bearing elements (20) in the pump housing and comprise a ratio of rotor length (l) to rotor axis spacing (d) that is greater than 3.0. The screw rotors (12, 14) further comprise a variable pitch, at least 7 turns, and an integral compression ratio of at least 4.5. The pitch after half of the turns is less than twice the pitch on the pressure side rotor outlet (24).

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