Title (en)

SCREW VACUUM PUMP PROVIDED WITH ROTORS

Title (de)

SCHRAUBENVAKUUMPUMPE MIT ROTOREN

Title (fr)

POMPE A VIDE A VIS POURVUE DE ROTORS

Publication

EP 1021654 A1 20000726 (DE)

Application

EP 98937515 A 19980619

Priority

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- EP 9803757 W 19980619

Abstract (en)

[origin: DE19745615A1] Each of the rotors (5) has at least two sections (17,18) with different rotor profiles (19,20). The suction side section has a greater diameter than the pressure-side section. The suction-side section is produced with a greater tolerance than the pressure-side section. Rotor cooling apparatus is situated in a bearing-side open cavity (31) in the rotor.

IPC 1-7

F04C 18/16; F04C 23/00; F04C 18/08; F04C 29/10; F04C 29/04

IPC 8 full level

F04C 18/08 (2006.01); **F04C 18/16** (2006.01); **F04C 23/00** (2006.01); **F04C 25/02** (2006.01); **F04C 28/26** (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR US)

F04C 18/084 (2013.01 - EP US); **F04C 18/16** (2013.01 - KR); **F04C 23/001** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 28/26** (2013.01 - EP US); **F04C 29/04** (2013.01 - EP US); F04C 18/16 (2013.01 - EP US); F04C 2220/10 (2013.01 - EP US)

Citation (search report)

See references of WO 9919631A1

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