

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 B1 20041006 (DE)**

Application  
**EP 98937515 A 19980619**

Priority  
• DE 19745615 A 19971010  
• 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)

Cited by  
CN115853780A

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CH DE FR GB IT LI

DOCDB simple family (publication)  
**DE 19745615 A1 19990415**; DE 59812093 D1 20041111; EP 1021654 A1 20000726; EP 1021654 B1 20041006; JP 2001520353 A 20011030; JP 4146081 B2 20080903; KR 20010030995 A 20010416; TW 452631 B 20010901; US 6382930 B1 20020507; WO 9919631 A1 19990422

DOCDB simple family (application)  
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