

Title (en)
Sliding vane vacuum pump.

Title (de)
Flügelzellen-Vakuumpumpe.

Title (fr)
Pompe à vide à palettes.

Publication
EP 0264749 A2 19880427 (DE)

Application
EP 87114808 A 19871010

Priority
DE 3635493 A 19861018

Abstract (en)
1. Vane pump in which the rotor for guiding the vanes is mounted overhung at one end, said rotor and the bearing arrangement placed at one end being made of a single piece so that the rotor and the bearing arrangement have the same external diameter, characterised in that the rotor is axially freely supported and is axially flexibly coupled with a drive shaft (3) and is at atmospheric pressure at the driving end.

Abstract (de)
Der Rotor (5) der Flügelzellen-Vakuumpumpe (1) ist einseitig fliegend gelagert und mit dem Lageransatz aus einem Stück hergestellt. Zur Vereinfachung der Dichtung des Rotors (5) im Pumpengehäuse (4) haben Rotor (9) und Lageransatz denselben Außendurchmesser. Vorzugsweise ist der Rotor (5) als Rohr ausgeführt.

IPC 1-7
F04C 18/344; **F04C 27/00**

IPC 8 full level
F01C 21/08 (2006.01); **F04C 18/344** (2006.01); **F04C 27/00** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)
F01C 21/08 (2013.01); **F04C 18/3441** (2013.01); **F04C 29/128** (2013.01)

Cited by
FR2869958A1; ITMI20101984A1; DE4107720A1; DE4107720C2; US6923628B1; FR2640699A1; DE19964598B4; DE19981942B4; FR2815384A1; ES2264306A1; ES2307417A1; US6743004B2; US10696280B2; WO2010031504A3; WO0233263A3

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