

Title (en)  
VACUUM PUMP

Title (de)  
VAKUUMPUMPE

Title (fr)  
POMPE A VIDE

Publication  
**EP 1971781 A1 20080924 (DE)**

Application  
**EP 07703794 A 20070111**

Priority  
• EP 2007050250 W 20070111  
• DE 102006001733 A 20060113

Abstract (en)  
[origin: WO2007082831A1] A vacuum pump for producing a vacuum in a space which is to be evacuated has a housing (10) having a cylindrical inner space (22). An expeller (26) is arranged eccentrically in the inner space (22). A helical sealing element (34) is provided between the expeller (26) and an inner wall (38) of the housing (10) for forming at least one crescent-shaped conveying space. The housing (10) or the expeller (26) are connected to a drive device (44) for producing a relative rotary movement between the housing (10) and the expeller (26). According to the invention, the vacuum pump is configured as a dry-running vacuum pump.

IPC 8 full level  
**F04C 18/107** (2006.01)

CPC (source: EP KR US)  
**F04C 18/107** (2013.01 - EP KR US); **F05C 2201/0442** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007082831A1

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**DE 102006001733 A1 20070719**; CN 101371044 A 20090218; EP 1971781 A1 20080924; JP 2009523210 A 20090618; KR 20080083666 A 20080918; US 2009148284 A1 20090611; WO 2007082831 A1 20070726

DOCDB simple family (application)  
**DE 102006001733 A 20060113**; CN 200780002309 A 20070111; EP 07703794 A 20070111; EP 2007050250 W 20070111; JP 2008549875 A 20070111; KR 20087017324 A 20080716; US 8770107 A 20070111