

Title (en)  
COOLED SCREW VACUUM PUMP

Title (de)  
GEKÜHLTE SCHRAUBENVAKUUMPUMPE

Title (fr)  
POMPE A VIDE A VIS REFROIDIE

Publication  
**EP 1242742 B1 20060816 (DE)**

Application  
**EP 00983238 A 20001207**

Priority  
• DE 19963171 A 19991227  
• EP 0012318 W 20001207

Abstract (en)  
[origin: DE19963171A1] The screw-type vacuum pump has two shafts each carrying a rotor(4) with a hollow chamber(31) and provided with open bores(41) open to the pressure side and in which are located guide components(44) which serve for the separate guiding of inflowing and outflowing cooling medium. The axially orientated inlet and/or outlet lines are formed as central or non-central bores, as longitudinal slot sections on the sides or as outer annular gaps in the guide component.

IPC 8 full level  
**F04C 18/16** (2006.01); **F04C 25/02** (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP US)  
**F04C 18/16** (2013.01 - EP US); **F04C 29/04** (2013.01 - EP US)

Cited by  
DE102010061202A1; WO2012080034A2; US9624927B2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 19963171 A1 20010628**; DE 50013338 D1 20060928; EP 1242742 A1 20020925; EP 1242742 B1 20060816; JP 2003518588 A 20030610; JP 4800542 B2 20111026; US 2005069446 A1 20050331; WO 0148383 A1 20010705

DOCDB simple family (application)  
**DE 19963171 A 19991227**; DE 50013338 T 20001207; EP 0012318 W 20001207; EP 00983238 A 20001207; JP 2001548867 A 20001207; US 16932902 A 20021001