

Title (en)
COOLED SCREW VACUUM PUMP

Title (de)
GEKÜHLTE SCHRAUBENVAKUUMPUMPE

Title (fr)
POMPE A VIDE A VIS REFROIDIE

Publication
EP 1242742 A1 20020925 (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 1-7
F04C 18/16; **F04C 29/04**

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)

Citation (search report)
See references of WO 0148383A1

Cited by
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Designated contracting state (EPC)
DE FR GB IT

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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

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