

Title (en)
COOLED SCREW VACUUM PUMP

Title (de)
GEKÜHLTE SCHRAUBENVAKUUMPUMPE

Title (fr)
POMPE A VIDE A VIS REFROIDIE

Publication
EP 1021653 A1 20000726 (DE)

Application
EP 98937514 A 19980619

Priority
• DE 19745616 A 19971010
• EP 9803756 W 19980619

Abstract (en)
[origin: DE19745616A1] The cooled helical pump comprises a pump rotor (5) at one end of the shaft (6) carried in two bearings (7,8) in a finned housing (4). A pump (36) circulates cooling fluid through the space (31) from which the near bearing (7) is separated.

IPC 1-7
F04C 18/16; **F04C 29/04**; **F04C 23/00**

IPC 8 full level
F04C 18/16 (2006.01); **F04C 23/00** (2006.01); **F04C 25/02** (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR US)
F04C 18/16 (2013.01 - EP KR US); **F04C 23/001** (2013.01 - EP US); **F04C 29/04** (2013.01 - EP US); **F04C 2240/51** (2013.01 - EP US)

Citation (search report)
See references of WO 9919630A1

Cited by
CN103688059A

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

DOCDB simple family (publication)
DE 19745616 A1 19990415; DE 59805126 D1 20020912; EP 1021653 A1 20000726; EP 1021653 B1 20020807; JP 2001520352 A 20011030; JP 4225686 B2 20090218; KR 100517788 B1 20050930; KR 20010030993 A 20010416; TW 430722 B 20010421; US 6544020 B1 20030408; WO 9919630 A1 19990422

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