

Title (en)

Screw rotor pump

Title (de)

Schraubenspindelpumpe

Title (fr)

Pompe à rotors à vis

Publication

**EP 0727581 B1 19990210 (DE)**

Application

**EP 96105318 A 19910307**

Priority

- DE 4007273 A 19900308
- EP 91710004 A 19910307

Abstract (en)

[origin: EP0451085A2] In the case of a screw rotor pump with a drive spindle and at least one running spindle, which are supported in a recess of a housing enclosing them between an intake chamber and a pressure chamber, the pressure-side profile run-out of the spindle (14) is conically tapered on the outside diameter (d) and the angle of inclination (w) of the tapered surface (43) is less than 10 DEG , and possibly less than 5 DEG or 3 DEG . In addition the spindle (14) may have a tapered surface (43s) with a corresponding angle of inclination (W1) on its intake side end.  
<IMAGE>

IPC 1-7

**F04C 2/16**; F04C 15/00

IPC 8 full level

**F04C 2/16** (2006.01); **F04C 2/08** (2006.01); **F04C 14/00** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP KR US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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