

Title (en)

Bearing arrangement for a viscous fluid pump.

Title (de)

Lageranordnung für eine Pumpenwelle einer Pumpe für das Fördern von Medien mit unterschiedlicher Viskosität.

Title (fr)

Dispositif de palier pour pompes pour fluides visqueux.

Publication

EP 0669465 A3 19951220 (DE)

Application

EP 95107891 A 19950524

Priority

EP 95107891 A 19950524

Abstract (en)

[origin: EP0669465A2] The bearing acts on a pump shaft (1) within the pump. At least on side of the low pressure side of the bearing is arranged a collection or release zone for fluid which has leaked through the bearing. At least two channels (13,15) join the zone to the suction side of the pump. One at least of these channels can be shut off independently to one another. They can be of different diameters or cross-sectional areas, and the zone itself can consist of an annular chamber adjacent to the shaft. It can be contained at least partly in the plain bearing itself (9) or the pump cover.

IPC 1-7

F04C 15/00; **F04C 13/00**

IPC 8 full level

F04C 2/18 (2006.01); **F04C 13/00** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)

F04C 2/14 (2013.01 - EP); **F04C 13/002** (2013.01 - EP US); **F04C 15/0038** (2013.01 - EP US); **F04C 15/0088** (2013.01 - EP); **F04C 2240/56** (2013.01 - EP)

Citation (search report)

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- [DA] DE 544963 C 19320224 - PFEIFFER ARTHUR
- [A] FR 572694 A 19240611
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- [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 157 (M - 150) 18 August 1982 (1982-08-18)

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