

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 B1 19971210 (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

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CPC (source: EP US)

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**F04C 2240/56** (2013.01 - EP)

Cited by

EP1855007A1; DE19835122A1; DE19833374A1; DE19833374B4; EP3964689A1; US6761546B2; US11703050B2; WO2012000812A2;  
WO201072A1; WO2018114332A1; EP3183458B1

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DE 59501083 D1 19980122; ES 2110799 T3 19980216; JP H11505910 A 19990525; US 6123531 A 20000926; WO 9637705 A1 19961128

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ES 95107891 T 19950524; JP 53523496 A 19960429; US 95264998 A 19980304