

Title (en)  
Gear pump

Title (de)  
Zahnradpumpe

Title (fr)  
Pompe à engrenages

Publication  
**EP 0602357 B1 19970806 (DE)**

Application  
**EP 93117448 A 19931028**

Priority  
DE 9217162 U 19921216

Abstract (en)  
[origin: EP0602357A1] In order to seal off from the outside an outward-leading rotor shaft (5) of a gear pump, a labyrinth seal (21) is provided in the housing cover (7) through which the shaft (5) passes. Axially adjoining the labyrinth seal (21) on the inside is a bearing portion with bearing shells (29). <IMAGE>

IPC 1-7  
**F04C 15/00**; **F04C 2/18**

IPC 8 full level  
**F04C 2/18** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)  
**F04C 15/0038** (2013.01 - EP US)

Cited by  
US6315537B1; WO0034554A1

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

DOCDB simple family (publication)  
**DE 9217162 U1 19930325**; DE 59307068 D1 19970911; EP 0602357 A1 19940622; EP 0602357 B1 19970806; JP H0749088 A 19950221; US 5462420 A 19951031

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