

Title (en)  
PUMP

Title (de)  
PUMPE

Title (fr)  
POMPE

Publication  
**EP 1292771 A1 20030319 (DE)**

Application  
**EP 01943472 A 20010601**

Priority  
• DE 10027811 A 20000605  
• EP 0106290 W 20010601

Abstract (en)  
[origin: DE10027811A1] A distance piece (19) runs round between the surfaces of the pump chamber ring (6) and the pressure plate (10) and the radial dimension of the chamber ring is smaller than that of the specified pressure plate (10). The distance piece can be of one piece with the chamber ring and/or the pressure plate. A seal (17) runs round between the sidewalls of the housing recess (3) and the pressure plate (10) and the pressure space (12) lies between the bottom of the recess (3) and the pressure plate (10).

IPC 1-7  
**F04C 2/344**; **F04C 15/00**

IPC 8 full level  
**F01C 21/10** (2006.01); **F04C 2/344** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)  
**F01C 21/104** (2013.01 - EP US); **F04C 2/3446** (2013.01 - EP US); **F04C 15/0023** (2013.01 - EP US)

Citation (search report)  
See references of WO 0194788A1

Designated contracting state (EPC)  
DE ES FR GB

DOCDB simple family (publication)  
**DE 10027811 A1 20011213**; DE 10192361 D2 20030508; DE 50109002 D1 20060427; EP 1292771 A1 20030319; EP 1292771 B1 20060222; ES 2258532 T3 20060901; US 2004037729 A1 20040226; WO 0194788 A1 20011213

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**DE 10027811 A 20000605**; DE 10192361 T 20010601; DE 50109002 T 20010601; EP 0106290 W 20010601; EP 01943472 A 20010601; ES 01943472 T 20010601; US 29683903 A 20030616