

Title (en)  
Gear pump

Title (de)  
Zahnradförderpumpe

Title (fr)  
Pompe à engrenages

Publication  
**EP 1291526 A2 20030312 (EN)**

Application  
**EP 02020146 A 20020909**

Priority  
IT BO20010540 A 20010907

Abstract (en)  
A positive-displacement rotary pump comprising a pair of meshing gears (13, 14) or rotors, consisting of a driving gear and a driven gear, contained in a shell (10) having an output opening and an intake opening for a fluid. The gears (13, 14) comprise shafts (23, 24) which are supported by bushings (15a, 15b) having two faces (17a, 17b) which are subjected, in use, to pressures which bring about an axial load on the bushing itself, characterized in that the resultant of the axial loads (S', S'') on the two bushings has a predetermined direction so as to move the bushings (15a, 15b) and the gears (13, 14) as a whole into close abutment with a predetermined reference plane (VI-VI). <IMAGE>

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

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

CPC (source: EP)  
**F04C 15/0026** (2013.01); **F04C 15/0042** (2013.01)

Citation (applicant)  
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• US 2981200 A 19610425 - STEPHENS WILLIAM T

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