

Title (en)
Gear pump

Title (de)
Zahnradpumpe

Title (fr)
Pompe à engrenages

Publication
EP 0822334 B1 20030917 (DE)

Application
EP 97112978 A 19970729

Priority
DE 19631202 A 19960802

Abstract (en)
[origin: EP0822334A2] The pump has a housing with meshing gears, a pressure pipe for hydraulic fluid feed, and a fluid suction pipe. A pressure limitation valve (17) is located in the bearing body (11), and frees resp. blocks a bypass channel (20) between pressure pipe (16) and suction pipe (15). A bearing body (10,11) is located on the longitudinal sides of the gears. The valve is formed by a spring-loaded sealing element. The spring (19) has adjustable tension. The valve is remote controlled.

IPC 1-7
F04C 2/14; **F04C 15/04**

IPC 8 full level
E05F 15/50 (2015.01); **F04C 2/14** (2006.01); **F04C 14/26** (2006.01)

CPC (source: EP)
E05F 15/50 (2015.01); **F04C 14/26** (2013.01)

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