

Title (en)
Gear pump

Title (de)
Zahnradpumpe

Title (fr)
Pompe à engrenages

Publication
EP 0822334 A3 19981125 (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)

Citation (search report)

- [X] FR 2393956 A2 19790105 - HYDRO MECA [FR]
- [X] EP 0301886 A2 19890201 - HYDRECO INC [US]
- [X] DE 3225549 A1 19840112 - BOSCH GMBH ROBERT [DE]
- [Y] US 5397219 A 19950314 - CRETORS CHARLES D [US]
- [Y] US 2758548 A 19560814 - ROCKWELL EDWARD A
- [A] DE 4444819 A1 19960620 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] US 3671143 A 19720620 - CLARK HUBERT M

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 29713614 U1 19971030; DE 19631202 A1 19980205; DE 59710749 D1 20031023; EP 0822334 A2 19980204; EP 0822334 A3 19981125; EP 0822334 B1 20030917

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