

Title (en)

FEED CONTROLLING DEVICE FOR A VARIABLE HYDROPUMP

Publication

EP 0149787 B2 19911002 (DE)

Application

EP 84115198 A 19841212

Priority

- DE 3345264 A 19831214
- DE 8335902 U 19831214

Abstract (en)

[origin: US4668171A] A torque control device for an adjustable hydropump is described which is based on an output control device in which the output control is determined as a function of the output pressure of the hydropump and a pressure in a working pressure control line. For this purpose a torque valve is provided whose closure power is determined by a measuring spring or set of springs connected with the pump control member and pretensioned depending on the output setting. The torque valve connects the working pressure control line with the pressureless outlet depending on the pressure in the working pressure control line and the pretension of the measuring spring. The torque valve can be fixed on to the hydropump as a separate unit and the control characteristic can be changed from outside by adjustment of the measuring spring.

IPC 1-7

F04B 49/08; **F04B 1/30**

IPC 8 full level

F04B 49/00 (2006.01); **F04B 1/32** (2006.01); **F04B 49/08** (2006.01); **F15B 11/00** (2006.01)

CPC (source: EP US)

F04B 1/324 (2013.01 - EP US); **F04B 49/08** (2013.01 - EP US)

Cited by

DE102017213458A1; EP0561153A1; EP0704623A1; DE19646687C1; EP0284987A3; EP0554537A1; EP0284989A3; DE19517974A1; DE102016123160A1; US5586869A; EP0284988A3; DE10001826C1; EP1118771A3; EP1118771A2; WO2005028863A1; WO9636813A1; WO9312342A1; WO9819069A1; US6324841B1

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