

Title (en)

DEVICE FOR A VARIABLE DISPLACEMENT HYDROSTATIC PUMP

Publication

**EP 0423257 B1 19930721 (DE)**

Application

**EP 90903003 A 19900216**

Priority

DE 3907409 A 19890308

Abstract (en)

[origin: WO9010793A1] The device disclosed comprises a regulating piston (12) for adjusting the control member (11) of the variable displacement pump (10). Said control member is acted on by a control pressure generated by a regulated valve (22) which is acted on by the differential pressure at a measurement choke (16) arranged in the delivery line (15) of the pump. In addition, a pressure spring (23) acts on the regulating valve against the higher pressure. In order to generate the control pressure, an external pressure supply (26) (pressure reservoir) is provided and, in addition, a direct connection (70) with choke (72) exists between the high pressure side and the control pressure connection for the regulating piston (12).

IPC 1-7

**F04B 49/08**

IPC 8 full level

**F04B 49/08** (2006.01)

CPC (source: EP US)

**F04B 49/08** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 9010793 A1 19900920**; DE 3907409 A1 19900920; DE 59002027 D1 19930826; EP 0423257 A1 19910424; EP 0423257 B1 19930721; US 5173031 A 19921222

DOCDB simple family (application)

**DE 9000100 W 19900216**; DE 3907409 A 19890308; DE 59002027 T 19900216; EP 90903003 A 19900216; US 60174190 A 19901026