Title (en)

Adjusting device for a swash-plate piston machine

Title (de)

Verstellvorrichtung für eine Schrägscheibenkolbenmaschine

Title (fr)

Dispositif de réglage pour une machine à piston axial à plateau en biais

Publication

EP 1220990 A1 20020710 (DE)

Application

EP 00971304 A 20000929

Priority

- DE 19949169 A 19991012
- EP 0009566 W 20000929

Abstract (en)

[origin: DE19949169A1] An adjusting device (1) for adjusting the swash plate (12) of an axial piston engine (1) with a swash-plate construction has an actuating piston (18) which acts on the swash plate (12) of the axial piston engine (1); and a control valve (19). The control valve (19) is used to regulate the actuating pressure which is present in an actuating volume (45) and which is acting on the actuating piston (18), in accordance with a control force acting on a valve piston (20) of the control valve (19). The actuating piston (18) is structurally separate from the control valve (19) and the actuating piston (18) is connected to the valve piston (20) of the control valve (19) by a readjusting spring (34) that opposes the control force.

IPC 1-7

F04B 1/32; F04B 49/00

IPC 8 full level

F04B 1/30 (2006.01); **F04B 1/32** (2006.01); **F04B 49/00** (2006.01); **F04B 49/06** (2006.01); **F04B 49/08** (2006.01)

CPC (source: EP US)

F04B 1/324 (2013.01 - EP US); **F04B 49/002** (2013.01 - EP US); **F04B 49/08** (2013.01 - EP US)

Citation (search report)

See references of WO 0127472A1

Cited by

CN109779690A; US11066932B2; US10954927B2; DE102018124353A1; US11828276B2

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DE FR GB IT SE

DOCDB simple family (publication)

DE 19949169 A1 20010426; **DE 19949169 C2 20011011**; DE 50011655 D1 20051222; EP 1220990 A1 20020710; EP 1220990 B1 20051116; JP 2003511628 A 20030325; JP 4691299 B2 20110601; US 6725658 B1 20040427; WO 0127472 A1 20010419

DOCDB simple family (application)

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