

Title (en)

Device for controlling the hydraulic flow volume of at least one working medium under pressure

Title (de)

Vorrichtung zur Steuerung eines hydraulischen Volumenstroms zumindest eines belasteten Arbeitsmittels

Title (fr)

Dispositif pour régler le débit hydraulique d'au moins un agent de travail sous pression

Publication

EP 1101949 A3 20040114 (DE)

Application

EP 00116754 A 20000803

Priority

DE 19955521 A 19991118

Abstract (en)

[origin: EP1101949A2] The control device controls the hydraulic volume flow (10) of at least one fluid (12) and has a locking valve with main valve body (14) and fine control (18), and with a pre-control valve body (22) operated by a setting element. At least one throttle cross section of a throttle point (38) narrows towards the beginning of the opening stroke of the main valve body.

IPC 1-7

F15B 13/01

IPC 8 full level

F15B 13/01 (2006.01); **F15B 13/00** (2006.01)

CPC (source: EP)

F15B 13/015 (2013.01); **F15B 2013/008** (2013.01)

Citation (search report)

- [DA] DE 4140604 A1 19930617 - BOSCH GMBH ROBERT [DE]
- [A] US 5799485 A 19980901 - SANDAU HARTMUT [DE]
- [A] US 4746093 A 19880524 - SCANDERBEG GEORGES [CH]
- [A] US 5328148 A 19940712 - HARTMUT SANDAU [DE]

Cited by

CN106838101A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1101949 A2 20010523; **EP 1101949 A3 20040114**; **EP 1101949 B1 20060419**; DE 19955521 A1 20010523; DE 50012599 D1 20060524

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