

Title (en)  
Electrohydraulic control device

Title (de)  
Elektrohydraulische Steuereinrichtung

Title (fr)  
Dispositif de commande électrohydraulique

Publication  
**EP 1039145 A3 20010228 (DE)**

Application  
**EP 00100019 A 20000104**

Priority  
DE 19913205 A 19990324

Abstract (en)  
[origin: EP1039145A2] The controller controls the flow of hydraulic medium to a hydraulic control motor depending on electrical input signals to a magnetic drive that displaces a control sliding element in a valve housing from a spring-centered central position into working positions on either side. The sliding element is centered by a dual action restoring device, whereby inner and outer springs are arranged mutually concentrically on the same side of the control sliding element. A first adjuster has a first spring plate (34) in the form of a toothed wheel (43) and an externally adjustable setting spindle (45). A second spring plate (36) in the form of a toothed wheel (53) forms part of a transmission (57) externally adjustable via a second setting spindle (56).

IPC 1-7  
**F15B 13/044**

IPC 8 full level  
**F15B 13/04** (2006.01); **F15B 13/044** (2006.01)

CPC (source: EP)  
**F15B 13/0402** (2013.01); **F15B 13/044** (2013.01)

Citation (search report)

- [DA] DE 3639174 A1 19880526 - BOSCH GMBH ROBERT [DE]
- [DA] DE 4446143 A1 19960627 - BOSCH GMBH ROBERT [DE]
- [DA] EP 0845602 A2 19980603 - BOSCH GMBH ROBERT [DE]
- [A] DE 2947535 A1 19800612 - GRESEN MANUFACTURING CO
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 585 (M - 1347) 25 December 1992 (1992-12-25)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 239 (M - 1601) 9 May 1994 (1994-05-09)

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 1039145 A2 20000927; EP 1039145 A3 20010228; EP 1039145 B1 20040512**; DE 19913205 A1 20000928; DE 50006372 D1 20040617

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**EP 00100019 A 20000104**; DE 19913205 A 19990324; DE 50006372 T 20000104