

Title (en)
Hydraulic control valve and electrohydraulic clamping device

Title (de)
Hydraulik-Regelventil und elektrohydraulische Spannvorrichtung

Title (fr)
Vanne de commande hydraulique et dispositif de serrage electrohydraulique

Publication
EP 1884853 B1 20090204 (DE)

Application
EP 06016027 A 20060801

Priority
EP 06016027 A 20060801

Abstract (en)
[origin: EP1884853A1] The valve (R) has a control spring (11) loading a valve unit (10) and supported at a spring thrust bearing (12). The thrust bearing is hydraulically adjustable between two mechanically determined control spring-clamping positions by using a setting piston (13), where the positions are assigned to higher and lower control spring-clamping. The piston is fixed to a connecting rod by using a clamping unit, and is arranged in a control chamber that is provided in a spring housing (18), where the control chamber is connected with a pressure connection of an outer housing.

IPC 8 full level
G05D 16/16 (2006.01); **B25B 5/06** (2006.01); **F15B 11/028** (2006.01); **G05D 16/10** (2006.01); **G05D 16/20** (2006.01)

CPC (source: EP)
B25B 5/061 (2013.01); **F15B 11/028** (2013.01); **F15B 2211/30525** (2013.01); **F15B 2211/3116** (2013.01); **F15B 2211/327** (2013.01); **F15B 2211/40515** (2013.01); **F15B 2211/50554** (2013.01); **F15B 2211/5151** (2013.01); **F15B 2211/528** (2013.01); **F15B 2211/57** (2013.01); **F15B 2211/7054** (2013.01)

Designated contracting state (EPC)
AT CZ DE FR IT

DOCDB simple family (publication)
EP 1884853 A1 20080206; **EP 1884853 B1 20090204**; AT E422255 T1 20090215; DE 502006002776 D1 20090319

DOCDB simple family (application)
EP 06016027 A 20060801; AT 06016027 T 20060801; DE 502006002776 T 20060801