

Title (en)
Pressure reducing lift valve

Title (de)
Druckminder-Sitzventil

Title (fr)
Soupape de siège de réduction de pression

Publication
EP 0829794 B1 20011219 (DE)

Application
EP 97107824 A 19970513

Priority
DE 29615498 U 19960905

Abstract (en)
[origin: EP0829794A1] The valve (P) for high-pressure hydraulics has a regulating piston (R) acted on by the reduced pressure against a spring loading. This lifts a closure element (E) acted on by the input pressure in the closing direction towards the valve seat. The regulating piston has a hydraulic damper (B). The damper is effective at least for the closing movements of the closure element controlled by the regulating valve. There may be a hydraulic damper for the closing and opening movements of the closure element. The hydraulic damper may have a displacement element.

IPC 1-7
G05D 16/02; **F16K 47/00**

IPC 8 full level
F15B 13/04 (2006.01); **F16K 47/00** (2006.01); **G05D 16/02** (2006.01)

CPC (source: EP)
F15B 13/0405 (2013.01)

Cited by
EP1970787A2; WO2013090458A1; DE102016223347A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0829794 A1 19980318; **EP 0829794 B1 20011219**; AT E211273 T1 20020115; DE 29615498 U1 19961024; DE 59705857 D1 20020131

DOCDB simple family (application)
EP 97107824 A 19970513; AT 97107824 T 19970513; DE 29615498 U 19960905; DE 59705857 T 19970513