

Title (en)

LIFT VALVE AND HYDRAULICAL CONTROL DEVICE THEREFOR

Title (de)

HUBVENTIL MIT EINER HYDRAULISCHEN STEUERVORRICHTUNG

Title (fr)

SOUPAPE AVEC DISPOSITIF DE COMMANDE HYDRAULIQUE

Publication

EP 0975856 B1 20011219 (DE)

Application

EP 98917027 A 19980320

Priority

- DE 19716042 A 19970417
- EP 9801630 W 19980320

Abstract (en)

[origin: DE19716042C1] The invention relates to a hydraulic control device for a lift valve (1), comprising a valve stem (2) which can be moved by means of two spring elements working against each other and which can be controlled hydraulically in the area of its end positions. According to the invention, the hydraulic control device contains a spring element (20, 23) which can be regulated hydraulically. A hydraulically active auxiliary control element (37, 40, 41) by which means the work fluid of the hydraulically regulated spring element (20, 43) can be relieved of pressure, is also allocated to said spring element (20, 43).

IPC 1-7

F01L 9/02

IPC 8 full level

F01L 9/10 (2021.01)

CPC (source: EP US)

F01L 9/10 (2021.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19716042 C1 19980507; DE 59802536 D1 20020131; EP 0975856 A1 20000202; EP 0975856 B1 20011219; JP 2000515605 A 20001121; JP 3348201 B2 20021120; US 6167853 B1 20010102; WO 9848151 A1 19981029

DOCDB simple family (application)

DE 19716042 A 19970417; DE 59802536 T 19980320; EP 9801630 W 19980320; EP 98917027 A 19980320; JP 54486198 A 19980320; US 40316700 A 20000322