

Title (en)
VALVE DEVICE, ESPECIALLY FOR A PRESSURE CASTING MACHINE

Publication
EP 0074496 B1 19850313 (DE)

Application
EP 82107315 A 19820812

Priority
DE 3132909 A 19810820

Abstract (en)
[origin: EP0074496A1] 1. Valve arrangement, especially for pressure die casting machines, with the following features : - arranged in a valve housing (1) is a main valve with a valve cone (6), a control piston (10) and a stroke-limiting stop (25) ; - the stroke-limiting stop (25) can be adjusted by means of a drive mechanism (26, 34), which comprises a threaded bush (26) and a support thread (48) arranged on the valve housing (1) ; - a control valve device (50 to 56), which also contains throttle devices (56), is connected by at least one control line (61) to the main valve, so that the valve cone (6) of the latter can execute a delayed or a quick movement ; characterised in that the threaded bush (26) has pressurised surfaces (27, 30, 33), on which counteracting displacement forces - in the support direction or in the release direction - develop onto the threaded bush (26), the relative size of which displacement forces to one another changes with every switching cycle of the valve cone (6).

IPC 1-7
F16K 1/52; **F16K 31/40**; **B22D 17/32**

IPC 8 full level
B22D 17/32 (2006.01); **F16K 1/52** (2006.01); **F16K 17/10** (2006.01); **F16K 31/40** (2006.01)

CPC (source: EP)
B22D 17/32 (2013.01)

Citation (examination)
• DE 7604336 U1 19760715
• DE 7507129 U
• DE 2058112 A1 19720531 - IDRA PRESSEN GMBH

Cited by
DE3819128C1; GB2184815A; GB2184815B; WO9305303A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 3132909 A1 19830303; CA 1192375 A 19850827; DE 3262555 D1 19850418; EP 0074496 A1 19830323; EP 0074496 B1 19850313; JP S58103950 A 19830621

DOCDB simple family (application)
DE 3132909 A 19810820; CA 409737 A 19820819; DE 3262555 T 19820812; EP 82107315 A 19820812; JP 14347382 A 19820820