

Title (en)
CONTROL VALVE FOR A HYDRAULIC MOTOR

Title (de)
STEUERVENTIL EINES HYDROMOTORS

Title (fr)
SOUPAPE DE COMMANDE DE MOTEUR HYDRAULIQUE

Publication
EP 1046003 A1 20001025 (EN)

Application
EP 99900440 A 19990108

Priority
• DE 19800720 A 19980112
• DK 9900010 W 19990108

Abstract (en)
[origin: DE19800720A1] A control valve for a hydraulic motor with a slide (3) extending in a housing bore (2), the slide having on both sides of a neutral position working areas, each allocated to a working direction, in which working areas an inflow throttle (14, 15) and approximately at the same time also a return throttle (18, 19) open after passing through a deadband (c). The return throttle (18, 19) is open in the neutral position and closes on passing through the deadband (c). Thus, a pressure-relief valve can drain off pressure fluid to the tank in the neutral position under maintenance of the good control properties.

IPC 1-7
F16K 11/07

IPC 8 full level
F15B 13/04 (2006.01); **F16K 11/07** (2006.01)

CPC (source: EP)
F15B 13/04 (2013.01); **F15B 13/0402** (2013.01)

Citation (search report)
See references of WO 9935424A1

Designated contracting state (EPC)
DE IT SE

DOCDB simple family (publication)
DE 19800720 A1 19990715; **DE 19800720 C2 20011031**; AU 1960399 A 19990726; DE 69916573 D1 20040527; DE 69916573 T2 20040819; EP 1046003 A1 20001025; EP 1046003 B1 20040421; WO 9935424 A1 19990715

DOCDB simple family (application)
DE 19800720 A 19980112; AU 1960399 A 19990108; DE 69916573 T 19990108; DK 9900010 W 19990108; EP 99900440 A 19990108