

Title (en)
PINCH VALVE WITH PRESSURE CONTAINING MEMBER

Title (de)
QUETSCHVENTIL MIT EINEM DEN DRUCK EINSCHLIESSENDEM ELEMENT

Title (fr)
VANNE A MANCHON A ELEMENT A PRESSION

Publication
EP 1490612 A1 20041229 (EN)

Application
EP 03716861 A 20030328

Priority
• US 0309381 W 20030328
• US 36949302 P 20020401

Abstract (en)
[origin: WO03085297A1] A control valve (400) includes an elastomeric flow tube and an actuator.(122). A plunger is operatively connected the actuator and is situated adjacent the flow tube. A reference surface is positioned generally opposite the plunger such that the elastomeric tube is squeezable between the plunger and the reference surface to control fluid flow through the flow tube. A pressure containing member (430) surrounds at least a portion of the flow tube. The pressure containing member may comprise, for example, a braided sleeve, rings situated about the flow tube, or first (431) and second (432) pressure retaining members sandwiched about the flow tube.

IPC 1-7
F16K 7/04

IPC 8 full level
F16K 17/00 (2006.01); **F16K 7/04** (2006.01); **F16K 37/00** (2006.01); **G05D 7/00** (2006.01)

CPC (source: EP KR)
F16K 7/04 (2013.01 - KR); **F16K 7/045** (2013.01 - EP); **G05D 7/06** (2013.01 - KR)

Citation (search report)
See references of WO 03085297A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 03085297 A1 20031016; AR 039214 A1 20050209; AU 2003220548 A1 20031020; BR 0308897 A 20050111; CA 2480172 A1 20031016; CN 1678853 A 20051005; EP 1490612 A1 20041229; JP 2005521848 A 20050721; KR 20040101376 A 20041202; MX PA04009532 A 20050125; PL 371376 A1 20050613; RU 2004131844 A 20050427

DOCDB simple family (application)
US 0309381 W 20030328; AR P030101135 A 20030401; AU 2003220548 A 20030328; BR 0308897 A 20030328; CA 2480172 A 20030328; CN 03807393 A 20030328; EP 03716861 A 20030328; JP 2003582446 A 20030328; KR 20047015517 A 20030328; MX PA04009532 A 20030328; PL 37137603 A 20030328; RU 2004131844 A 20030328