

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

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