

Title (en)
Pneumatic valve

Title (de)
Pneumatikventil

Title (fr)
Soupape pneumatique

Publication
EP 1253326 A3 20040218 (DE)

Application
EP 02090158 A 20020429

Priority
DE 10123157 A 20010427

Abstract (en)
[origin: EP1253326A2] The valve has a setting throttle (2) with a transverse aperture (14) across the main connecting line (13), in which a control element can move reciprocally against an elastic counter-force (15). This element has a control aperture, and is subject to the gas pressures on either side of the valve membrane, so that the aperture cross section depends on the pressure difference before and after the valve.

IPC 1-7
F15B 11/05; **G05D 7/01**

IPC 8 full level
F16K 31/122 (2006.01); **F15B 11/05** (2006.01); **G05D 7/01** (2006.01); **F15B 13/00** (2006.01)

CPC (source: EP US)
F15B 11/05 (2013.01 - EP US); **F15B 2013/008** (2013.01 - EP US); **F15B 2211/40515** (2013.01 - EP US); **F15B 2211/428** (2013.01 - EP US); **F15B 2211/8855** (2013.01 - EP US); **Y10T 137/7788** (2015.04 - EP US)

Citation (search report)

- [X] US 3554222 A 19710112 - KIHARA SHISO, et al
- [X] DE 1206610 B 19651209 - KARL MARX STADT IND WERKE
- [A] GB 1001407 A 19650818 - PNEUMATIC COMPONENTS LTD
- [A] WO 9732136 A1 19970904 - BERINGER HYDRAULIK AG [CH], et al
- [A] US 2495785 A 19500131 - STEPHENS WILLIAM T
- [DA] DE 29802606 U1 19980423 - ZASCHE FOERDERTECHNIK GMBH [DE]
- [A] US 3770007 A 19731106 - ORTH H, et al
- [A] US 2990847 A 19610704 - ABSALOM JAMES G

Cited by
FR2896833A1; WO2007088262A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1253326 A2 20021030; **EP 1253326 A3 20040218**; **EP 1253326 B1 20050810**; DE 10123157 C1 20021114; DE 50203854 D1 20050915; JP 2003035377 A 20030207; US 2002157709 A1 20021031; US 6729346 B2 20040504

DOCDB simple family (application)
EP 02090158 A 20020429; DE 10123157 A 20010427; DE 50203854 T 20020429; JP 2002128078 A 20020430; US 91819201 A 20010730