

Title (en)  
PNEUMATIC CONTROL DEVICE

Publication  
**EP 0386432 A3 19910508 (DE)**

Application  
**EP 90101470 A 19900125**

Priority  
DE 3907779 A 19890310

Abstract (en)  
[origin: EP0386432A2] The pneumatic control device for a bellows cylinder (10) has various control valves for actuating it, of which two groups (28, 31 and 36, 39 resp.) serve to operate a multi-way valve (18) which controls the inflow of compressed air to the bellows cylinder or relieves it. When the bellows cylinder is being relieved, an ejector (14) is active through which pressure medium flowing from the source of pressure medium produces a vacuum in the ejector (14), by means of which vacuum the bellows cylinder (10) is emptied. In this way, a relatively simple and convenient pneumatic control device for the rapid actuation of the bellows cylinder is obtained. <IMAGE>

IPC 1-7  
**F15B 11/08**

IPC 8 full level  
**F15B 11/06** (2006.01); **F15B 11/08** (2006.01)

CPC (source: EP)  
**F15B 11/08** (2013.01)

Citation (search report)  
• [A] US 4784040 A 19881115 - OSWALD CHARLES W [US], et al  
• [A] DE 2145619 A1 19730405 - VDO SCHINDLING

Cited by  
CN108001665A; WO0156796A1

Designated contracting state (EPC)  
CH DE FR IT LI

DOCDB simple family (publication)  
**EP 0386432 A2 19900912; EP 0386432 A3 19910508; EP 0386432 B1 19930915**; DE 3907779 A1 19900913; DE 59002684 D1 19931021

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