

Title (en)
Pneumatic spool valve.

Title (de)
Pneumatisches Schieberventil.

Title (fr)
Distributeur à tiroir pneumatique.

Publication
EP 0439433 B1 19940223 (DE)

Application
EP 91810048 A 19910122

Priority
CH 20990 A 19900123

Abstract (en)
[origin: EP0439433A1] The pneumatic spool valve has a moving-coil drive (13), by means of which the spool (7) can be displaced axially, via a control loop, for air pressure control. The spool valve furthermore has a pressure sensor (11) for detecting the operating pressure and a position sensor (16) for detecting and controlling the spool position. The valve can be switched over during operation, via the control loop which has at least two control paths, such that it operates as a proportional movement valve or as a proportional flow control valve. In this case, the drive (13), the spool (7), the sensors (11, 16) and the control electronics (17) form a functional unit. <IMAGE>

IPC 1-7
F15B 21/08; **F15B 13/043**

IPC 8 full level
F15B 13/043 (2006.01); **F15B 21/08** (2006.01)

CPC (source: EP)
F15B 21/087 (2013.01)

Cited by
FR2724707A1; GB2301461A; FR2834804A1; FR3100855A1; EP1362987A1; DE4218320A1; US10589341B2; US6792902B2; EP3378581A1; CN108714676A; WO9521332A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0439433 A1 19910731; **EP 0439433 B1 19940223**; AT E101901 T1 19940315; DE 59101036 D1 19940331

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