

Title (en)

Pneumatic valve device with at least two fixed together subassemblies

Title (de)

Pneumatische Ventileinrichtung mit wenigstens zwei aneinander befestigten Gehäusemodulen

Title (fr)

Soupape pneumatique avec au moins deux modules fixés l'un à l'autre

Publication

EP 0655558 B1 19980708 (DE)

Application

EP 94116969 A 19941027

Priority

DE 4340770 A 19931130

Abstract (en)

[origin: EP0655558A1] A pneumatic valve device (10) is proposed in which an electromagnetically actuated pilot-control valve (12) can be mounted at the end face on a housing (17) of a main control valve (11) of a spool type of construction by means of an undetachable push-in arrangement (16). Two tubular pins (41, 42) have annular beads (45, 46) lying at their outer periphery and having cutting edges (48) and are pushed into location bores (53 to 56) of both housings (17, 28) in such a way as to pass through a parting plane (15), the cutting edges (48) catching in the material of both housings (17, 28) and as a result producing a type of fir-cone connection. Here, the pins (41, 42) assume the function of centring and holding both housings (17, 28) against one another as well as the function of passing through the pressure medium and of sealing and permit an exceptionally compact, cost-effective and easy-to-assemble type of construction of the push-in connection (16), which is suitable in particular for directional control valves of small construction. <IMAGE>

IPC 1-7

F15B 13/00; **F16K 27/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

CN109764161A; EP4083483A1; WO2022228825A1

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