

Title (en)

Pneumatic valve bank with electrical adaptor means

Title (de)

Pneumatische Ventilinsel mit elektrischer Schnittstelle

Title (fr)

Ilot de distributeurs pneumatiques avec adaptateur électrique

Publication

EP 1464844 A3 20050406 (EN)

Application

EP 04101292 A 20040329

Priority

DE 10314429 A 20030331

Abstract (en)

[origin: EP1464844A2] A pneumatic valve bank comprising several fluid manifold elements (1a to 1f) arranged to one another in order to form at least one common inner supply channel (3) and at least one common inner exhaust channel (4a, 4b) extending lengthwise through the fluid manifold elements (1a to 1f) for supplying and discharging air to/from respective multiway valves, which are attached on respective mounting surfaces (5) of the fluid manifold elements (1a to 1f), wherein each fluid manifold element (1a to 1f) comprises an electronic channel (6) parallelly arranged to the at least one supply channel (3) and the at least one exhaust channel (4a, 4b) for accommodating electrical adaptor means for connecting each multiway valve with a central control unit, wherein said electrical adaptor means comprise at least one printed circuit board (12) held by a pair of guiding rails (16) inside the electronic channel (6), wherein at least one projecting part (13a; 13b) on the edge section (14a; 14b) of the printed circuit board (12) corresponds with a recess (15) arranged in the respective guiding rail (16) between neighbouring fluid manifold elements (1a, 1b; 1b, 1c; 1c, 1d; 1d, 1f) for axially fixing the printed circuit board (12) in the electronic channel (6). <IMAGE>

IPC 1-7

F15B 13/00

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] EP 1041328 A1 20001004 - SMC CORP [JP]
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