

Title (en)

Fluid pressure cylinder, switch valve and pressure actuated work unit

Title (de)

Druckmittelzylinder, Weichenventil und druckmittelbetätigte Arbeitseinheit

Title (fr)

Cylindre à pression fluïdique, soupape de commutation et unité de travail entraînée par pression

Publication

EP 0984170 B1 20040218 (DE)

Application

EP 99890249 A 19990723

Priority

AT 134498 A 19980804

Abstract (en)

[origin: EP0984170A2] Pneumatic cylinder assembly has a direction change valve (V) and a system of bleed valves (24a, 24b) (27a, 27b) to pass pressure to the working zones of the cylinder (A) in a smaller valve structure. The pneumatic cylinder assembly, to convert pneumatic pressure into mechanical energy, has a let-off opening fitted with a valve (13a,13b) controlled by the pressure of the working medium at the feed opening. A direction change valve (V), and especially in a rocker valve structure, has at least one entry and one outlet for the working medium and a let-off channel between the valve unit and at least one outlet. The channel has an outlet and bleed control valve which is controlled electrically or by the pressure. The unit, which is operated by the pneumatic system, has a pneumatic working cylinder (A) with bleed valves (27a,27b), a direction change valve (V) and bleed control valves (24a,24b), and a pressure line (29a,29b) to each working zone of the cylinder (A).

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IPC 8 full level

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CPC (source: EP US)

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