

Title (en)

Flow distribution device, independent of the load pressure, for control valves in mobile working machines

Title (de)

Einrichtung zur lastdruckunabhängigen Durchflussverteilung bei einem Steuerschieber für mobile Bau- und Arbeitsmaschinen

Title (fr)

Dispositif pour une distribution du débit de fluide indépendante de la pression de charge des vannes de commande d'engins de chantier

Publication

**EP 0733743 B1 19990630 (DE)**

Application

**EP 96102897 A 19960227**

Priority

- DE 19510408 A 19950324
- DE 19520451 A 19950603

Abstract (en)

[origin: EP0733743A1] A regulator valve formed as compensator, is located between the pilot opening (4-6) of a slide valve and a working cylinder (1-3). The valve has an axially movable regulator piston (10,14,15), with two sides associated with first and second pressure chambers (17,22,23,9,24,25). The first chamber charges the piston with spring pressure (18) and the pressure from the working cylinder is charged with the highest load pressure. The second chamber is fitted into the feed line to the slide valve, and has a pilot opening (19,26,27) to the working cylinder, which is controlled by the piston edge of the regulator piston. A return valve (12,30,31) is located between the pressure chambers of each compensator.

IPC 1-7

**E02F 9/22**

IPC 8 full level

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CPC (source: EP)

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Cited by

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