

Title (en)

CONTROL ARRANGEMENT FOR A TWO-CYLINDER PUMP FOR THICK MATERIALS

Publication

EP 0465474 B1 19930901 (DE)

Application

EP 90903351 A 19900118

Priority

DE 3910120 A 19890329

Abstract (en)

[origin: WO9011449A1] A servo control for a two-cylinder pump for thick materials comprises two delivery cylinders (1, 1') which open through front-face openings (2, 2') into a material dispenser container in which a hydraulically operated shunt pipe (3) is arranged. On the inlet side, the shunt pipe (3) can be connected alternately to the openings (2, 2') of the delivery cylinders (1, 1'), freeing the other opening, and on the outlet side it can be connected to a delivery line (4). The delivery cylinders (1, 1') are connected to hydraulic drive cylinders (5, 5') which are actuated by at least one push-pull hydropump (6). At the end of each pressure stroke in the delivery cylinders (1, 1'), a reversal process of the shunt pipe (3) is initiated. The delivery volume of the hydropump (6) is varied automatically in accordance with the switching states inside the pump for thick materials by the use of a switching element.

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IPC 8 full level

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CPC (source: EP US)

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