

Title (en)

Pump for thick materials with delivery cylinders, in particular two-cylinder pump for concrete

Title (de)

Dickstoffpumpe mit Förderzylindern, insbesondere Zweizylinderbetonpumpe

Title (fr)

Pompe pour matières épaisses munie de cylindres refoulants, en particulier pompe à béton bi-cylindre

Publication

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Application

EP 93104594 A 19930320

Priority

DE 4209471 A 19920324

Abstract (en)

[origin: US5380174A] In a pump for thick matter with delivery cylinders (1, 2), in particular a two-cylinder concrete pump, which in order to control the flow of thick matter, incorporates a distributing regulator (11) that is connected permanently at an outlet opening (8) with the pump-side end (9) of a delivery line (7) and which incorporates at least one inlet opening (12) where it is sealed on the web (29) between the thick-matter flow passage openings (16, 17) from the delivery cylinders into a supply tank (6), the thick-matter flow passage openings (16, 17) and the inlet opening (12) of the distributing regulator (11) being of identical outline and area, the distributing regulator (11) connecting adjacent thick matter flow passage openings (16, 17) alternately with the delivery line (7) and the supply tank (6) by a rotating movement, the present invention provides for the fact that the thick-matter flow passage openings (16, 17) together with their associated delivery cylinder openings (22, 23) are each connected through a standoff pipe (24, 25), and the inside diameters of the flow passage openings (16, 17) that are formed by the standoff pipes (24, 25) are reduced on the web (29), the reduction in the diameter in the distributing regulator inlet opening (12) being matched to the web (29) (FIG. 1).

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Cited by

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