

Title (en)
TWO-CYLINDER THICK MATTER PUMP HAVING A TRANSFER TUBE

Title (de)
ZWEIZYLINDER-DICKSTOFFPUMPE MIT ROHRWEICHE

Title (fr)
POMPE À MATIÈRE ÉPAISSE À DEUX CYLINDRES COMPORTANT UNE VANNE D'AIGUILLAGE

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Application
EP 14719011 A 20140424

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Abstract (en)
[origin: WO2015022088A1] The invention relates to a thick matter pump having a material feeding container (10) and two delivery cylinders (16, 17) which are connected by way of end-side orifice openings (18, 19) to in each case one passage opening (18', 19') in the container wall (20). The delivery cylinders (16, 17) can be connected alternately to the container interior (21) and a delivery line (14) by way of a transfer tube (24) which is arranged in the interior of the material feeding container (10), whereas the delivery pistons (22, 23) of said delivery cylinders (16, 17) alternately perform a filling stroke and a delivery stroke. The transfer tube (24) has an inlet opening which points in the direction of the orifice openings (18, 19), is configured as an arcuately curved slot (28), and the width of which corresponds to the diameter and the length of which corresponds to the outer spacing of the orifice openings (18, 19), and which have in each case one closure attachment (30, 31) which protrudes beyond the outer edge of the slot in the pivoting direction and the longitudinal extent of which corresponds to the spacing between the orifice openings. In order to ensure reliable sealing of the coupling joint between the transfer tube (24) and the container wall (20), it is proposed according to the invention that the transfer tube (24) has a metallic ring element (32), which has the arcuate slot (28), and a cushion element (36) which is arranged between the ring element (32) and a pivoting tube (34), which is connected to the delivery line (14) on the output side, and has an aperture (38) which encloses the slot (28), wherein the ring element (32) can be moved axially relative to the pivoting tube (34) and can be pressed against the inner surface of the container wall via the cushion element (36) under the action of the delivery pressure in the transfer tube (24).

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See references of WO 2015022088A1

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