

Title (en)
THICK MATTER PISTON PUMP

Title (de)
KOLBEN-DICKSTOFFPUMPE

Title (fr)
POMPE A PISTON POUR LIQUIDES EPAIS

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Application
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Abstract (en)
[origin: WO2005085636A1] The invention relates to a multi-cylinder thick matter pump (1) which is used to continuously deliver especially concrete. Said thick matter pump comprises at least two delivery cylinders (3, 5) which transport the thick matter from a prefill tank (7) into a delivery pipe and a reversing valve (9) for alternately linking the delivery cylinders with the delivery pipe. The invention is characterized in that the reversing valve (9) comprises two pilot valves (15, 17) which can be displaced in a substantially translatory manner. Every pilot valve (15, 17) comprises a straight pipe section (15L, 17L) for linking the respective assigned delivery cylinder (3, 5) with the delivery pipe. Said pipe section can be linked with a manifold (19) in a pipe position downstream of the delivery cylinder. The invention also relates to a method for operating the inventive thick matter pump for continuous delivery.

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