

Title (en)

DEVICE FOR CONVEYING FLOWABLE OR POURABLE MATERIAL

Title (de)

VORRICHTUNG ZUM FÖRDERN VON FLIESS- ODER SCHÜTTFÄHIGEM FÖRDERGUT

Title (fr)

DISPOSITIF POUR TRANSPORTER DE LA MATIERE COULANTE OU EN VRAC

Publication

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Application

**EP 02740733 A 20020619**

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Abstract (en)

[origin: WO03004874A1] The invention relates to a device for conveying flowable or pourable material. Said device comprises at least one delivery piston (24), preferably a delivery plunger that can be moved back and forth with hydraulic means (26), a bearing tube (30) axially guiding the delivery piston (24) on its surface area (42), a filling chamber (20) that can be axially attached to the bearing tube in the direction of conveyance and can be filled with the material to be conveyed by means of a feed hopper (12) and a delivery cylinder (32) that is axially arranged in the displacement path of the delivery piston (24) is connected to the filling chamber (20) on the input side and to a discharge pipe (14) on the output side. The delivery piston (24) releases the filling chamber (20) leading to the feed hopper (12) when it is pulled back into its end position in the bearing pipe (30). When moved forward, the delivery piston penetrates the filling chamber (20) while entraining the material to be conveyed and into the delivery cylinder (32). In order to enable distortion and wear-free guidance of the delivery piston, said delivery piston (24) is supported and guided in an axially central manner by guide rollers (66) in the bearing pipe (30).

IPC 8 full level

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