

Title (en)

BARREL PUMP HAVING A FOLLOWER PLATE WITH AN ADJUSTABLE SEALING RING

Title (de)

FASSPUMPE MIT ANPASSBAREM DICHTRING DER FOLGEPLATTE

Title (fr)

POMPE ÉLECTRIQUE PORTATIVE À BAGUE D'ÉTANCHÉITÉ ADAPTABLE DE LA PLAQUE SUIVEUSE

Publication

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Application

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Abstract (en)

[origin: WO2018041628A1] The invention relates to a method for conveying viscous material out of a barrel-like container (12), which has a container bottom (14) and a circumferential container wall (18), which extends from the container bottom (14) to a container top (16), and is open towards the container top (16), using a device (10) which has a follower plate (20) for closing the container (12). The follower plate (20) has a circumferential wiper ring (28), and the wiper ring (28) has a radially outwardly protruding contact portion (34) for contact with an inner face (36), facing the follower plate (20), of the container wall (18). A variable pressing force can be applied to the contact portion (34) to press it against the inner face (36) of the container wall (18). The follower plate (20), following a decreasing material level and resting on a surface of the material, is moved in the direction towards the container bottom (14) and, after the container (12) is emptied, is moved away from the container bottom (14), and the contact portion (34) of the wiper ring (28) is pressed sealingly against the inner face (36) of the container wall (18) during the movement of the follower plate (20) towards the container bottom (14). According to the invention, the sealing effect between the wiper ring (28) and the container wall (18) is suspended during the movement of the follower plate (20) away from the container bottom (14) by reducing the pressing force.

IPC 8 full level

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