

Title (en)
DELIVERY UNIT

Title (de)
FÄRDERAGGREGAT

Title (fr)
UNITE D'ACHEMINEMENT

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Application
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Abstract (en)
[origin: WO2006063887A1] In prior art, delivery units comprise a running wheel which is arranged in a pump chamber and which can be driven in a rotated manner by means of an actuator and comprise two front sides whereby a front wall of the pump chamber is arranged opposite thereto, and also comprises several recesses for storing, in a hydrodynamic manner, in both front sides of the running wheel. One disadvantage of the delivery unit is that dirt particles can collect in the recesses. When the dirt particles are flushed out from the recesses, they produce, in the region between the recesses which are arranged in a circular manner, increased friction and also stress marks and the axial gap between the running wheel and the pump chamber is smaller than in the region of the recesses. The inventive delivery unit reduces the friction acting upon the running wheel and increases efficiency. According to the invention, at least two adjacent recesses (38) of the at least one front side (28,29) and/or the at least one front wall (15,16) are connected together by, respectively at least one groove (42).

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