

Title (en)
CENTRIFUGAL PUMP

Title (de)
ZENTRIFUGALPUMPE

Title (fr)
POMPE CENTRIFUGE

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Abstract (en)
[origin: WO2012040752A1] The invention relates to a centrifugal pump for delivering a gaseous suspension, in particular a fibrous stock suspension, having a pump impeller (12) which has at least one opening (15) in the base plate and ribs (16) on its rear side, wherein a separator unit (17) is provided, consisting of a separator housing (25) with a stationary disc (18) and a disc (22) which rotates together with the pump shaft (21), wherein the separator unit (17) is arranged in the pump housing, as viewed in the axial direction onto the pump impeller (12), so as to adjoin the pump impeller (12) on the rear side of the latter, and wherein the separator housing (25) has a gas collecting chamber (31) with gas discharge line (28). It is characterized in that the disc (22) which rotates together with the pump shaft (21) has a closed surface (23) without openings. As a result, the stock loss can be reduced and improved pump stability of the centrifugal pump can be achieved during the delivery of a gaseous suspension, in particular a fibrous stock suspension.

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