

Title (en)

SOLID-BOWL SCREW CENTRIFUGE WITH OVERFLOW WEIR

Title (de)

VOLLMANTEL-SCHNECKENZENTRIFUGE MIT ÜBERLAUFWEHR

Title (fr)

CENTRIFUGEUSE À VIS SANS FIN ET À BOL PLEIN AVEC DÉVERSOIR DE DÉBORDEMENT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2014009272A1] The invention relates to a solid-bowl screw centrifuge with at least one or more discharge weir(s) (23) for discharging clarified liquid out of a drum (3) which has a rotational axis (D) and a rotational direction (K), said centrifuge having the following features: a) at least one or more through-opening(s) (15) in a drum cover (17), b) each of the at least one through-opening(s) (15) is associated with a weir plate (25) which has a recess (29), c) an open discharge channel is formed on the through-opening at the recess (29), a deflection from a direction parallel to the rotational direction (D) of the drum substantially into a circumferential direction in the rotational direction (K) being carried out by means of said discharge channel, and d) the discharge channel is designed such that exiting liquid is conducted over the base of the discharge channel to an overflow edge (31k), wherein e) the base of the discharge channel to the overflow edge (31k) is inclined inwards in the rotational direction (D) relative to the tangential direction (T) by an inclination angle $\delta \geq 0$ at the point of the overflow edge (31k).

IPC 8 full level

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