

Title (en)

DESLUDGING DEVICE AND METHOD FOR DESLUDGING A LIQUID

Title (de)

ENTSCHLÄMMUNGSEINRICHTUNG UND VERFAHREN ZUM ENTSCHLÄMMEN EINER FLÜSSIGKEIT

Title (fr)

DISPOSITIF DE DECANTATION ET PROCEDE PERMETTANT D'ELIMINER LES BOUES D'UN LIQUIDE

Publication

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Application

EP 02738132 A 20020531

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Abstract (en)

[origin: DE10128062A1] The invention relates to a desludging device for part of a total volume of a liquid, which contains suspended solid material and/or which can form the sludge. Said device is arranged in a container which holds the total volume of the liquid whereby at least one part of the desludging device, including the bottom thereof, is immersed in the total volume. Said desludging device comprises an inlet which is arranged above the bottom and which enables one part of the liquid to penetrate into the desludging device, and an outlet in the form of a discharge pipe which starts above the bottom, a channel, a free overfall weir or at least one opening in the wall through which the liquid from the desludging device can be removed. The bottom of the desludging device comprises at least one outlet through which the sludge which has been deposited in the desludging device is returned to the total volume of liquid or conducted to another precipitating device in order to thicken the sludge. Preferably, the precipitated sludge is reintroduced into the total volume by a venturi-type nozzle. The inventive device can be especially used in a method for taking automatically desludged bath samples for analytical purposes.

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