

Title (en)
DEVICE FOR REMOVING SOLIDS FROM LIQUID FLOWING ALONG A CHANNEL

Title (de)
VORRICHTUNG ZUM ENTFERNEN VON ABSCHIEDEGUT AUS IN EINEM GERINNE STRÖMENDER FLÜSSIGKEIT

Title (fr)
DISPOSITIF POUR RETIRER DES MATIERES A ELIMINER D'UN LIQUIDE QUI S'ECOULE DANS UNE RIGOLE

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Application
EP 96924855 A 19960703

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Abstract (en)
[origin: DE19524276A1] A device is disclosed for removing solids from liquid flowing along a channel (3), in particular in sewage treatment facilities. It is provided with a separator surface (8), in particular a vertical surface which is partially submerged in the liquid and takes the form of a cylindrical jacket, is composed of stationary at least approximately semicircular bars (10) with a clearing arm (12) which is driven to rotate about the axis (2) of the separator surface (8) and has clearing elements (15) which poke through between the bars (10) from the inside outwards, and with a conveyer device (17) adjoining the separator surface (8) and leading to a discharge point outside the liquid for the solids. The conveyer device has a tubular housing (22) with a recipient aperture (23) for the solids and a driven conveyer screw. The convex side of the stationary and at least approximately semicircular bars (10) which form the separator surface (8) face the flow direction (5) of the liquid entering the gutter (3), ensuring that the solids are deposited on the outer stationary separator surface (8). The clearing elements (15) on the driven clearing arm (12) protrude between the bars (10) against the direction (29) of passage of the liquid. The section of the cylindrical jacket (9) not taken in by the approximately semicircular bars (10) is open. The conveyer device (17) is set into the channel (3) obliquely.

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