

Title (en)

METHOD AND EQUIPMENT FOR OFF-SHORE TREATMENT OF COMMUNAL SEWAGE WATER

Title (de)

VERFAHREN UND SYSTEM ZUR OFF-SHORE BEHANDLUNG VON KOMMUNALEN ABWÄSSERN

Title (fr)

PROCEDE ET EQUIPEMENT DE TRAITEMENT AU LARGE DES EAUX D'EGOUTS COMMUNALES

Publication

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Application

EP 98905208 A 19980305

Priority

- CZ 9800010 W 19980305
- CZ 211497 A 19970703

Abstract (en)

[origin: WO9901388A1] Sewage from a residential agglomeration is accumulated on the coast and subsequently pumped through piping to at least one anchored floating body of a technological equipment carrier, where it is treated, and the treated sewage is partly used as operational water in the treatment process and partly discharged, whereas substances retained and separated in the technological process of treatment are stored and/or packed and subsequently removed for final liquidation or utilization. The equipment to make use of this method of treatment comprises technological equipment with tanks with an open water surface, to which sewage is supplied through piping. It is composed of at least one floating body of the technological equipment carrier (1), which is anchored and comprises at least one pontoon with a double, circular or at least quadrangular shaped, bottom (24), and a double casing (23), in which are arranged watertight chambers. The ratio of the width B of the body of the technological equipment carrier (1) to its draught T is in the range of 8.5 to 12.5 and the metacentric radius r0 of the body of the technological equipment carrier (1) is in the range of 15 to 26. The watertight chambers of the partitioned double bottom (24) form ballast tanks to stabilize the changing weight ratios that occur in the treatment of the sewage.

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CPC (source: EP)

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