Title (en)
WASTE-WATER TREATMENT SYSTEM.

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Application
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Abstract (en)
[origin: WO9306050A1] The present invention discloses a portable waste-treatment system. The waste-treatment system comprises anaerobic holding tanks for the anaerobic digestion of waste, and aerobic marches (20, 34 and 42) for the aerobic digestion of waste. The waste-treatment system has a relatively small volume of about 1,000 to 2,000 liters for each person using the marsh. Aerobic digestion in the marshes is promoted by aquatic and marsh plants and the microorganisms associated with such plants, which are grown in the marshes. The marsh plants are grown in soil and gravel layers (30 and 46) in the marsh. The soil and gravel is layered on the floor of the marsh around baffles (26, 28, 38, 39, 48 and 50) in a pattern that forms an open water channel (36 and 44). Aquatic plants are planted in the open water channel. The presence of the baffles results in the waste being directed along a sinuous path through the marshes. Means for recycling treated water back to the holding tanks or the marshes is also provided, if further treatment of the waste is desired.

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