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ABSTRACT

A disposal method and disposal system for sharply reducing the residue and enhancing the sustainability and stability of disposal in disposal of organic waste are provided. The matter inside the solid phase decomposer is transported to a liquid phase decomposer I and is decomposed by land microorganisms at a solid phase decomposer III. The highly viscous products built up at that time are transported to the liquid phase decomposer I where they are dissolved in water and converted to sludge by aqueous microorganisms. The newly introduced organic waste is washed at the liquid phase decomposer I, transported together with the produced sludge to the solid phase decomposer III, and again decomposed by land microorganisms. For the transport of the matter inside the solid phase decomposer to the liquid phase decomposer I and the transport of the organic waste to the solid phase decomposer III, a solid/liquid circulator II having a twin screw structure is used. Further, at a demoisturizer IV, the moisture is separated from the gas produced at the solid phase decomposer III and the moisture is returned to the liquid phase decomposer. Further, the minimum necessary limit of gas is sent to a deodorizer V where it is deodorized and discharged as ordinary air.

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