

A Sludge Management Apparatus for Filtering Floc from a Mixture, a System having the same and a Sludge Managing Method

Abstract

A sludge management apparatus for filtering floc from a mixture which comprises floc and fluid, the apparatus has a container adapted to contain the mixture therein, a first opening for discharging the floc from the container and a permeable wall portion having one side configured to be in contact with the mixture and another side exposed to the outside of the container. The permeable wall portion is adapted to filter floc from the mixture whereby fluid from the mixture flows through the sidewall portion and out of the container such that the floc is retained in the container. A system comprising the sludge management apparatus and a flocculent tank for containing flocculent. The flocculent tank is designed to be in fluid communication with the container, such that the flocculent flows from the flocculent tank to the container. A sludge managing method for filtering floc from the mixture.

Fig. 1b