

## ABSTRACT

### SEWAGE TREATMENT APPARATUS

The present invention relates to a sewage treatment apparatus, more specifically to a sewage treatment apparatus which does not only supply high quality treated water with uniform diffusion of microorganism mixed liquor suspended solids (MLSS) and organic matters during hydraulic retention time (HRT), but also provides the target quality of treated water by adaptively treating changes in the quality of inflow water and properly removing nitrogen and phosphorus without the need for internal recycling.

Fig. 5