

WATER TREATMENT APPARATUS AND WATER TREATMENT METHOD

ABSTRACT

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A water treatment apparatus is provided that supplies an appropriate aeration air volume depending on the position in an aerobic tank in a bioreactor tank. The water treatment apparatus includes, in a bioreactor tank (1) in which
10 treatment target water that flows in through an inlet is aerated with air, biological reaction treatment is performed, and the treatment target water is drained through a drain port, a first aeration unit (31) and a second aeration unit (32) that aerate the treatment target water with the air,
15 and aeration rate calculation units (70) that each control the aeration rate of the first aeration unit (31) and the aeration rate of the second aeration unit (32). The first aeration unit (31) is disposed at a position less distant from the inlet than the second aeration unit (32) in the
20 bioreactor tank. The aeration rate calculation units (70) provide control to produce different aeration rates for the first aeration unit (31) and the second aeration unit (32).

Fig. 4