

ABSTRACT OF THE DISCLOSURE

A novel coagulator is herein disclosed which is equipped with a coagulation and sedimentation part having a packing medium accumulation layer (84) comprising accumulated small packing media having a large void volume, and raw water bearing a coagulant is allowed to flow in the manner of an upward flow through the packing medium accumulation layer to coagulate and settle the suspended solids in the raw water.

10 In addition, as an upstream part, there is disposed an upstream coagulation part which has at least one packing medium accumulation layer (82) through which the raw water is passed at a superficial velocity higher than a superficial velocity in the packing medium accumulation layer of the

15 coagulation and sedimentation part, and together with flocs coagulated in the packing medium accumulation layer, primary treated water is allowed to flow from the upstream coagulation part to the coagulation and sedimentation part. In consequence, the frequency of washing operation can be reduced

20 while a turbidity of the treated water is maintained at a low level.