Claim 1

A water treatment device comprising:

an activated carbon treatment section that receives an inflow of water having a total organic carbon concentration of 100 mg/l or less and adsorbs and removes non-electrolytic organic matters contained in the water;

on the downstream side of the activated carbon treatment section, a capacitive de-ionization treatment section including a pair of electrodes to which voltages having polarities opposite to each other are applied, a flow path that is located between the electrodes and allows the water to flow therethrough, and an ion exchange membrane that is installed on the flow path side of each of the electrodes, wherein when the water flows between the electrodes with voltages applied thereto, ions contained in the water are adsorbed to the electrodes and removed from the water, and voltages reverse to the voltages at the time of the adsorption of ions are applied to the electrodes to release the ions from the electrodes, whereby the electrodes are regenerated; ~~and,~~

an organic matter content measurement sections that is installed on the upstream side of the activated carbon treatment section and between the activated carbon treatment section and the capacitive de-ionization treatment section, and that measures the total organic carbon concentration in the water; and

on the upstream side of the activated carbon treatment section, a biological treatment section where organic matters in the water are decomposed and removed by microorganisms, or the biological treatment section and an oxidization treatment section where organic matters in the water are subjected to an oxidization treatment.

{Claim 2}

The water treatment device according to claim 1, wherein water having a total organic carbon concentration of 20 mg/l or less is discharged from the activated carbon treatment section.