CLAIMS

1 A water treatment method for producing feedwater to be supplied to a steam-generating device, the method comprising the steps of:

passing raw water through a liquid-passing-type electric double-layer capacitor desalting system to produce treated water without using a softening device, wherein a dissolved salt removal rate of the liquid-passing-type electric double-layer capacitor desalting system is 70% to 90%.;

mixing the treated water and steam condensation water to produce feedwater; and

adding a water-soluble polymer including a carboxyl group in its molecule to the feedwater.

2 The water treatment method according to Claim 1, wherein the amount of the water-soluble polymer including a carboxyl group is, by weight, equal to or more and 5 times or less the amount of calcium contained in the feedwater to be supplied to the steam-generating device.

3 The water treatment method according to Claim 1 or 2, wherein the water-soluble polymer including a carboxyl group is at least one compound selected from the group consisting

of a homopolymer, a copolymer, and a terpolymer of carboxylic acid and/or a salt thereof, such as acrylic acid and/or a salt thereof, maleic acid and/or a salt thereof, itaconic acid and/or a salt thereof, or methacrylic acid and/or a salt thereof; a copolymer of 2-hydroxy-3-allyloxypropanesulfonic acid and/or a salt thereof and the carboxylic acid and/or a salt thereof; a copolymer of 2-acrylamido-2-methylpropanesulfonic acid and/or a salt thereof and the carboxylic acid and/or a salt thereof; bis(poly-2-carboxyethyl)phosphinic acid and/or a salt thereof; and carboxymethylcellulose.

4 The water treatment method according to Claim 1 or 2, wherein the water-soluble polymer including a carboxyl group is a homopolymer of sodium acrylate.

5 The water treatment method according to Claim 1 or 2, wherein the water-soluble polymer including a carboxyl group is polyacrylic acid-sodium 2-hydroxy-3-allyloxypropanesulfonate, polyacrylic acid-sodium 2-acrylamido-2-methylpropanesulfonate, sodium polybis(poly-2-carboxylethyl)phosphinate, or carboxymethylcellulose.

6 The water treatment method according to Claim 1 or 2, wherein the raw water is well water, tap water, or river

water.

~~7 The water treatment method according to Claim 1 or 2, wherein a dissolved salt removal rate of the liquid-passing-type electric double-layer capacitor desalting system is 70% to 90%.~~

~~8 A water treatment method for producing feedwater to be supplied to a steam-generating device, the method comprising the steps of:~~

~~passing raw water through a liquid-passing-type electric double-layer capacitor desalting system; and~~

~~passing water treated with the desalting system through a softening device.~~

~~9 The water treatment method according to Claim 8, wherein the raw water is well water, tap water, or river water.~~

~~10 The water treatment method according to Claim 8 or 9, wherein a dissolved salt removal rate of the liquid-passing-type electric double-layer capacitor desalting system is 70% to 90%.~~