2, further comprising a biocide inlet, wherein biocide is intermittently injected into the biotreated water by the biocide inlet.

[Claim 4]

The fresh water generation system according to claim 1 or claim 2, further comprising a biocide inlet, wherein biocide is injected into mixed water composed of seawater and the concentrated water of the primary semi-permeable membrane apparatus by the biocide inlet.

~~[Claim 5]~~

~~The fresh water generation system according to claim 3, wherein the biocide includes at least one typed biocide selected from a group of free chlorine based biocide, combined chlorine based biocide, bromine based biocide, an acid, and an alkali.~~

[Claim ~~6~~5]

The fresh water generation system according to claim 1 or claim 2, further comprising a biocide inlet which injects biocide into the biotreated water, and a biocide inlet which injects biocide into the mixed water composed of seawater and the concentrated water of the primary semi-permeable membrane apparatus, wherein

a frequency of injecting the biocide, an amount of the biocide, or a concentration of the biocide injected into the mixed water is larger than those of the biocide injected into the biotreated water.

[Claim ~~7~~6]

The fresh water generation system according to claim 3, wherein

the secondary semi-permeable membrane apparatus is configured so that

at least a part of the concentrated water of the primary semi-permeable membrane apparatus is not mixed with seawater which is to be supplied to the secondary semi-permeable membrane

apparatus; or

at least a part of the mixed water composed of the concentrated water and the seawater is not supplied to the secondary semi-permeable membrane.

[Claim ~~8~~7]

The fresh water generation system according to claim 1~~ or claim 2~~, wherein

at least either of the primary and secondary semi-permeable membranes is a semi-permeable membrane including a polyamide or cellulose triacetate as a component thereof; and

the semi-permeable membrane element used in the primary semi-permeable membrane apparatus has a higher adhesive property of a hydrophobic microorganism than the secondary semi-permeable membrane elementa ~~microorganism easily adhering to the primary semi-permeable membrane or the secondary semi-permeable membrane is a hydrophobic microorganism~~.

[Claim ~~9~~8]

The fresh water generation system according to claim ~~8~~7, wherein the primary semi-permeable membranes is a semi-permeable membrane including cellulose triacetate as a component thereof.

~~[Claim 10]~~

~~The fresh water generation system according to claim 8, wherein the hydrophobic microorganism is a Mycobacterium bacillus.~~

[Claim ~~11~~9]

The fresh water generation system according to claim 1~~ or claim 2~~, wherein a value of a microorganism adhesive property is equal to a B/F rate which represents the number of the microorganisms (B) respectively adhering to ~~the primary semi-permeable membrane, the secondary semi-permeable membrane,~~ the primary semi-permeable membrane element and the secondary semi-permeable membrane element, against the predetermined number of the microorganisms (F), when the predetermined number of the microorganisms (F) is brought into contact with ~~the primary semi-permeable membrane, the secondary semi-permeable membrane,~~ the primary semi-permeable membrane element and the secondary semi-permeable membrane element.

[Claim ~~12~~10]

The fresh water generation system according to claim ~~11~~9, wherein a B/F rate of the primary semi-permeable membrane element is 2-fold or more than a B/F rate of the secondary semi-permeable membrane element~~, or a B/F rate of the primary semi-permeable membrane is 2-fold or more than a B/F rate of the secondary~~

~~semi-permeable membrane~~.

[Claim ~~13~~11]

The fresh water generation system according to claim 1 or claim 2, further comprising a microorganism trap filter which is configured to remove microorganisms included in the concentrated water of the primary

semi-permeable membrane apparatus, from said concentrated water.

[Claim ~~11~~12]

The fresh water generation system according to claim 1 or claim 2, further comprising an ultrafiltration apparatus, wherein the ultrafiltration apparatus includes an ultrafilter which is configured to conduct ultrafiltration of mixed water composed of seawater and concentrated water of the primary semi-permeable membrane apparatus, at a period after the concentrated water of the primary semi-permeable membrane apparatus has been mixed with seawater and before the resultant mixed water is to be filtered via the secondary semi-permeable membrane.

[Claim 13]

The fresh water generation system according to claim 2, wherein

at least either of the primary and secondary semi-permeable membranes is a semi-permeable membrane including a polyamide or cellulose triacetate as a component thereof; and

the primary semi-permeable membrane has a higher adhesive property of a hydrophobic microorganism than the secondary semi-permeable membrane.

[Claim 14]

The fresh water generation system according to claim 13, wherein the primary semi-permeable membrane is a semi-permeable membrane including cellulose triacetate as a component thereof.

[Claim 15]

The fresh water generation system according to claim 2, wherein a value of a microorganism adhesive property is equal to a B/F rate which represents the number of the microorganisms (B) respectively adhering to the primary semi-permeable membrane and the secondary semi-permeable membrane, against the predetermined number of the microorganisms (F), when the predetermined number of the microorganisms (F) is brought into contact with the primary semi-permeable membrane and the secondary semi-permeable membrane.

[Claim 16]

The fresh water generation system according to claim 15, wherein a B/F rate of the primary semi-permeable membrane is 2-fold or more than a B/F rate of the secondary semi-permeable membrane.