CLAIMS

1. A multi-stage reverse osmosis membrane treatment system, in which two stages of reverse osmosis membranes are arranged in series, wherein a subsequent stage of reverse osmosis membrane of the two stages of reverse osmosis membranes is a first reverse osmosis membrane having a flux of 2.0 $m^3/(m^2 \cdot day)$ or more per 1 MPa (water temperature: 25 °C; pure water (RO permeated water)) of membrane surface effective pressure, a preceding stage of reverse osmosis membrane of the two stages of reverse osmosis membranes is a second reverse membrane having a flux of 0.8 $m^3/(m^2 \cdot day)$ or more and less than 2.0 $m^3/(m^2 \cdot day)$ per 1 MPa (water temperature: 25 °C; pure water (RO permeated water)) of membrane surface effective pressure, and pH of water to be treated by the first reverse osmosis membrane is adjusted to an alkaline side for treatment.
2. The multi-stage reverse osmosis membrane treatment system according to claim 1, wherein water quality of the water to be treated in the multi-stage reverse osmosis membrane treatment system comprises a boron concentration of 1 to 500 μg/L and/or a silica concentration of 1 to 50 mg/L.
3. The multi-stage reverse osmosis membrane treatment system according to claims 1 or 2, further comprising an ion exchange device arranged in a subsequent stage of the first reverse osmosis membrane.