treatment method of the present invention includes inserting a pumping pipe into a ground where alkaline groundwater having a pH of 9 or higher is present, and injecting a gas having a higher volume ratio of carbon dioxide than an air at a construction site from an injection port provided at a lower part of the pumping pipe into the pipe of the pumping pipe by an air blower so that a large number of bubbles are generated in the pipe of the pumping pipe, raising and pumping the groundwater from the ground where the groundwater is present by a decrease in apparent specific gravity due to the large number of bubbles, and causing a neutralization reaction between the carbon dioxide contained in the bubbles and the alkaline groundwater during or after pumping so that the pH of the groundwater is lowered, wherein the gas contains the carbon dioxide that is not desired to be released into the atmosphere.

[0008]

In order to achieve the above object, the groundwater treatment system of the present invention includes a pumping pipe inserted into a ground where alkaline groundwater having a pH of 9 or higher is present, and an air blower connected to an injection port provided at a lower part of the pumping pipe, wherein the air blower injects a gas having a higher volume ratio of carbon dioxide than an air at a construction site from the injection port into the pipe of the pumping pipe so that a large number of bubbles are generated in the pipe of the pumping pipe, the groundwater is raised and pumped from the ground where the groundwater is present by a decrease in apparent specific gravity due to the large number of bubbles, and a neutralization reaction occurs between the carbon dioxide contained in the bubbles and the alkaline groundwater during or after pumping

so that the pH of the groundwater is lowered, and the gas contains the carbon dioxide that is not desired to be released into the an atmosphere.

EFFECTS OF THE INVENTION

[0009]