ABSTRACT

METHOD FOR CAPTURING CARBON DIOXIDE AND GAS ABSORPTION SYSTEM

A method for capturing carbon dioxide includes: spraying an alkaline solution through a first spray structure; temporarily storing a solution, in a first temporary storage structure, and making the solution flow out through the first spray structure; detecting a concentration of hydroxide and/or a concentration of carbonate of the solution, and supplementing one of an alkaline solution and water into the first temporary storage structure according to the concentration of the hydroxide and/or the concentration of the carbonate; and in a case that the concentration of the hydroxide is less than or equal to m and the concentration of the carbonate is n, controlling a first pump body or a third pump body to stop running, so that the solution enters an electrolysis device for an electrolysis. Adopting the present invention solves problems in that capture efficiency of carbon dioxide gas and overall energy consumption are relatively difficult to control.

Figure 1