

ABSTRACT

Provided is an aeration apparatus in which the number of aeration nozzles that can be disposed per unit area of a bottom face of a seawater oxidation treatment system can be increased in order to improve the decarbonation performance by aeration with the aeration apparatus for decarbonating (aerating) seawater used for desulfurization. In an aeration apparatus (10A) being installed in a seawater oxidation treatment system (1) for draining used seawater discharged from a desulfurization tower of an exhaust gas desulfurizer using seawater as an absorbent and configured to conduct decarbonation by generating micro-air-bubbles in the used seawater, a header (12) being in communication with an air-supplying pipe (11) is installed on a bottom face (1a) of the seawater oxidation treatment system (1), and micro-air-bubbles are generated from aeration nozzles (13A) attached to the header (12) so as to extend upward in the vertical direction.