

ABSTRACT

An aeration apparatus that can achieve sufficient mixing in the lateral direction of used seawater flowing in a seawater oxidation treatment system is provided. In an aeration apparatus (10A) 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, headers (12) communicated with an air-supplying pipe are installed on a bottom face (1a) of the seawater oxidation treatment system (1), and aeration units (20) generating the micro-air-bubbles from aeration nozzles (13) attached to the headers (12) comprise nozzleless sections (30) for partly forming bottom regions where micro-air-bubbles are not generated.