

ABSTRACT

The present invention relates to an apparatus for reducing greenhouse gas emission in a vessel and a vessel including the same, in which an absorbent liquid recycling unit is provided in two or more stages so that an unreacted aqueous ammonium salt solution remaining in ammonia water is removed to maintain a concentration of ammonia water at a certain level, thereby increasing a recovery rate of an absorbent liquid and preventing a deterioration in greenhouse gas absorption performance.

Or in which exhaust gas is cooled by a heat exchange method, thereby preventing a decrease in a concentration of an absorbent liquid, and an absorbent liquid recycling unit is provided in two or more stages so that an unreacted aqueous ammonium salt solution remaining in ammonia water is removed, thereby increasing a recovery rate of the absorbent liquid and preventing a deterioration in greenhouse gas absorption performance.