

ABSTRACT

A liquefied ammonia vaporizer unit includes: a vertical container (2a) having a heat exchange space (K) into which liquefied ammonia (X) is supplied, a horizontal cross-sectional area of the heat exchange space (K) being smaller than a vertical cross-sectional area of the heat exchange space (K); a liquefied ammonia supply section (3) configured to supply the liquefied ammonia (X) into the heat exchange space (K) of the vertical container (2a); a heating fluid guide pipe (2d) extending through the heat exchange space (K) of the vertical container (2a); a seawater supply section (4) configured to supply seawater (Y) to the heating fluid guide pipe (2d); a superheater (5b) configured to superheat a vaporized gas discharged from the vertical container (2a); and a stagnant liquefied ammonia discharge section (6) configured to discharge, from the vertical container (2a), the liquefied ammonia (X) accumulated in the heat exchange space (K) of the vertical container (2a) by using a differential pressure between the heat exchange space (K) of the vertical container (2a) and a discharge destination.

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