

{Abstract}

Provided is a liquefied gas vaporization device that can condense steam generated during a boil-off gas incineration process without involving an increase in the initial investment. The device includes: a vaporizer (25) configured to heat and gasify an LNG; a glycol circulation path (38) that is connected to the vaporizer (25) and in which glycol circulates; a regas boiler (30) configured to incinerate a BOG generated in an LNG tank (3) to generate steam; a steam heat exchanger (60) configured to exchange heat between the steam generated by the regas boiler (30) and the glycol circulating in the glycol circulation path (38); and a controller configured to perform control in a GCU mode in which the BOG generated in the LNG tank (3) is subjected to an incineration process in the regas boiler (30) without LNG being heated in the vaporizer (25). The controller delivers steam generated in the regas boiler (30) to the steam heat exchanger (60) in the GCU mode.