

ABSTRACT

Floating type LNG regasification unit

Disclosed therein is a floating type LNG regasification unit, which includes an LNG storage tank (10) and an LNG regasificator (20), and an electricity generation unit for producing gas and electricity through the LNG regasificator (20). The floating type LNG regasification unit can simultaneously provide gas and electricity as including an LNG regasificator for regasifying LNG and a gas turbine generator of an electricity generation unit installed on the LNG regasificator for generating electricity, and reduce installation costs of the gas turbine generator because it can operate the gas turbine generator using gas generated in the LNG regasificator and does not need any compressor for compressing gas of the gas turbine generator. Moreover, the floating type LNG regasification unit can reduce expenses by minimizing the amount of energies required for all units due to waste heat recovery and prevent sea pollution by using waste heat because it produces steam using exhaust gas generated in the gas turbine generator and uses the steam as a driving power of the LNG regasificator and a steam turbine generator added for production of electricity.

Fig. 2