【ABSTRACT】

The present invention relates to a liquid fuel power generation and distribution system, and a loading/unloading method using the system, the system: using evaporation heat, which is generated when liquefied gas that is to be used as fuel is re-vaporized, that is, cold energy as a cooling heat source of a freezer container during a power generation operation in a floating power generation plant, thereby enabling energy efficiency to increase, reducing fuel costs, and enabling environmental pollution caused by heated seawater discarded to the sea to be effectively prevented; allowing a freight vehicle to enter a loading/unloading area of the freezer container through a connecting ramp for connecting a floating structure and the land when the freezer container is loaded/unloaded or performing loading/unloading using a cargo ship moored to the side of the floating structure, thereby enabling the distribution utilization of the freezer container to increase and noise and vibration, which are generated when a compressor of the freezer container is used, to be removed; increasing space utilization by mounting the freezer container on floating power generation equipment in an integrated form; and maximizing the distribution and movement convenience of frozen cargo from the ship and the land by means of the floating freezer container having independent power generation equipment, thereby facilitating installation in island regions and lagging regions.

Fig. 2