fuel oil have correspondingly been reinforced. As a result, costs have been increasingly increased in order to meet these regulations.

In addition, when oil prices have considerably increased due to factors such as depletion of fossil fuel, localized unrest, or the like, several operational problems such as the rapid increase of fuel expenses of a ship using heavy oil as fuel, etc., are caused.

Therefore, research into a fuel supply system, etc., using clean fuel such as LNG (or, LPG, CNG, DME, etc.), that is a liquefied or gaseous fuel without using heavy oil (or, MDO) or using the minimum amount of heavy oil as fuel oil for various ships, but mainly using LNG (or, LPG, CNG, DME, etc.) as fuel when heavy oil (or MDO) becomes expensive or standards required for environmental protection are increased, and only use heavy oil (or, MDO) when heavy oil (or MDO) is cheap or environmental standards are less restricted has been continuously conducted.

【Disclosure】

【Technical Problem】

Embodiments of t~~T~~he present invention seek~~has been made in an effort~~ to provide a floating structure with a fuel gas tank having advantages of efficiently using a space by disposing a fuel

gas tank for storing a gaseous fuel to be fed to a dual fuel propulsion system disposed under a cabin area.

【Advantageous Effects】

According to a first aspect, there is provided a floating structure with a fuel gas tank storing gaseous fuel used as fuel while floating at sea, comprising: a cabin area disposed on an upper deck of the floating structure; a fuel gas tank mounted under the cabin area in a hull of the floating structure; and a coffer dam configured by forming a void space between a pair of bulkheads, which is disposed between the cabin area and the fuel gas tank to secure safety of the cabin area.

According to a second aspect, there is provided a ship with a fuel gas tank storing a gaseous fuel used as fuel while floating at sea, comprising: a cabin area disposed on an upper deck of the ship; a fuel gas tank disposed under the cabin area in a hull of the ship; a coffer dam configured by forming a void space between a pair of bulkheads, which is disposed between the cabin area and the fuel gas tank to secure the safety of the cabin area; and a propulsion apparatus generating propulsive force using a gaseous fuel stored in the fuel gas tank as fuel.

According to embodiments of the present invention, the floating structure with the fuel gas tank for storing a gaseous fuel supplied to the dual fuel propulsion system disposed under the cabin area is provided.

As a result, according to the floating structure and according to the present invention, it is possible to efficiently use the space in the hull and over the upper deck.

【Description of Drawings】

FIG. 1 is a side cross-sectional view schematically showing a floating structure with a dual fuel propulsion system according to an exemplary embodiment of the present invention;

FIG. 2 is a side cross-sectional view schematically showing a floating structure with a dual fuel propulsion system according to another exemplary embodiment of the present invention;

FIG. 3 is a diagram for explaining a method for additionally mounting another type of fuel tank in a