recondenser such that the boil-off gas is recondensed through heat exchange with the supercooled LNG.

【Claim 3】

The boil-off gas processing system according to claim 2, further comprising:

a high-pressure pump provided to the regasification line and compressing LNG supplied from the recondenser; and

a vaporizer provided to the regasification line and vaporizing LNG compressed by the high-pressure pump.

【Claim 4】

The boil-off gas processing system according to claim 3, wherein the boil-off gas compressed to high pressure by the compressor is supplied downstream of the vaporizer on the regasification line.

【Claim 5】

The boil-off gas processing system according to claim 2, further comprising:

an LNG supply pump provided to the LNG storage tank and pumping supercooled LNG to the recondenser.

【Claim 6】

The boil-off gas processing system according to claim 2, further comprising:

a fuel supply line for supplying the compressed boil-off gas by the high-pressure compressor and the compressed boil-off gas by the low-pressure compressor to gas consumption units comprising gas engines, gas combustion units (GCUs), and boilers of the vessel or the marine structure.

【Claim 7】

The boil-off gas processing system according to claim 1, wherein the vessel or the

marine structure comprises an LNG-regasification vessel (LNG-RV) and an LNG-floating storage regasification unit (LNG-FSRU) regasifying LNG and supplying natural gas to land.