WHAT IS CLAIMED IS:

1. A liquefied natural gas (LNG) storage container comprising:

an inner shell made of a metal withstanding a low temperature of the LNG and configured to store the LNG inside;

an outer shell made of a steel withstanding an internal pressure of the inner shell and configured to enclosing the outside of the inner shell such that a space is formed between the inner shell and the outer shell; and

a heat insulation layer part installed in the space between the inner shell and the outer shell and configured to reduce a heat transfer,

wherein the heat insulation layer part and the inside of the inner shell are connected together by a connection passage in order for pressure balance between the inside and outside of the inner shell, and

the connection passage is formed at a side contacting the heat insulation layer part in a connecting part integrally connected to the inlet/outlet port of the inner shell in order for supply and exhaust of the LNG to/from the inner shell.

2. The LNG storage container according to claim 1, wherein the inner shell withstands a temperature of -120 to -95°C.

~~3. The LNG storage container according to claim 1 or 2, wherein the heat insulation layer part and the inside of the inner shell are connected together by a connection passage in order for pressure balance between the inside and outside of the inner shell.~~

~~4. The LNG storage container according to claim 3, wherein the connection passage is formed at a side contacting the heat insulation layer part in a connecting part provided at an inlet/outlet port of the inner shell.~~

~~53~~. The LNG storage container according to claim 1, wherein the inner shell has a smaller thickness than the outer shell.

~~64~~. The LNG storage container according to claim 1 or ~~53~~, further comprising:

an external heat insulation layer installed at the outside of the outer shell in order

for heat insulation.

~~7~~5. The LNG storage container according to claim 1 or ~~5~~3, further comprising:

a heating member installed at the outside of the outer shell in order for heating the outer shell.

~~8~~6. The LNG storage container according to claim ~~7~~5, wherein the heating member comprises a heating wire attached along the outer surface of the outer shell.

~~9. An LNG storage container comprising:~~

~~an inner shell made of a metal withstanding a low temperature of LNG stored inside;~~

~~an outer shell made of a steel withstanding an internal pressure of the inner shell and configured to enclosing the outside of the inner shell; and~~

~~a heat insulation layer part installed between the inner shell and the outer shell and configured to reduce a heat transfer;~~

~~wherein the heat insulation layer part and the inside of the inner shell are connected together by a connection passage in order for pressure balance between the inside and outside of the inner shell.~~

~~10~~7. An LNG storage container comprising:

an inner shell configured to store LNG inside;

an outer shell configured to enclosing the outside of the inner shell such that a space is formed between the inner shell and the outer shell;

a heat insulation layer part installed in the space between the inner shell and the outer shell and configured to reduce a heat transfer; and

an equalizing line protruding from the inner space of the inner shell to the outside of the storage container and connected to the space between the inner shell and the outer

shell, wherein the equalizing line connects the inner space of the inner shell and the space between the inner shell and the outer shell,

wherein an exhaust line exhausting gas inside the inner shell to exterior is connected to the equalizing line.

~~11~~8. The LNG storage container according to claim ~~10~~7, wherein the inner shell is made of a metal withstanding a low temperature of the LNG, and the outer shell is made of a steel withstanding an inner pressure of the inner shell.

~~12~~9. The LNG storage container according to claim ~~10–7~~ or ~~11~~8, wherein the inner shell withstands a temperature of -120 to -95°C.

~~13~~10. The LNG storage container according to claim ~~10–7~~ or ~~11~~8, further comprising:

a first exhaust line connected to an upper inner space of the inner shell and extending outward, wherein a first exhaust valve is installed in the first exhaust line.

~~14~~11. The LNG storage container according to claim ~~10–7~~ or ~~11~~8, further comprising:

first and second connecting parts connected to an upper inner space and a lower inner space of the inner shell and extending outward, wherein a loading line and an unloading line are connected to the first and second connecting parts, respectively.

~~15~~12. The LNG storage container according to claim ~~10~~7, wherein an on/off valve for opening and closing a liquid flow is installed in the equalizing line.

~~16~~13. The LNG storage container according to claim ~~10–7~~ or ~~15~~12, wherein the equalizing line is connected to a second exhaust line in which a second exhaust valve is

installed.

~~17~~14. The LNG storage container according to claim ~~10~~7, further comprising: a support installed in the space between the inner shell and the outer shell to

support the inner shell and the outer shell.

~~18~~15. The LNG storage container according to claim ~~17~~14, wherein the support is installed along lateral circumferences of the inner shell and the outer shell.

~~19~~16. The LNG storage container according to claim ~~10~~7, further comprising:

a lower support installed in a lower space between the inner shell and the outer shell to support the inner shell and the outer shell.

~~20~~17. An LNG storage container comprising:

an inner shell storing LNG inside;

an outer shell enclosing the outside of the inner shell; and

an equalizing line protruding from the inner space of the inner shell to the outside of the storage container and connected to the space between the inner shell and the outer shell, wherein the equalizing line connects the inner space of the inner shell and the space between the inner shell and the outer shell,

wherein an exhaust line exhausting gas inside the inner shell to exterior is connected to the equalizing line.