Claims

1. A cold-box apparatus for use with a bulk gas tank onboard a ship, comprising a plurality of cold-box compartments operationally associated with the bulk gas tank,
wherein at least two of the cold-box compartments are each configured for separate power supply to the bulk gas tank to provide redundancy of power equipment for the bulk gas tank.

2. The apparatus according to claim 1, wherein the plurality of cold-box compartments comprises a pair of cold-box compartments.

3. The apparatus according to claim 1 or 2, wherein a first one of the plurality of cold-box compartments is mounted above a second one of said plurality of cold-box compartments.

4. The apparatus according to at least one of claims 1 or 2, wherein a first one and a second one of said plurality of cold-box compartments are mounted side-by-side.

5. The apparatus according to at least one of claims 1 or 2, wherein
- a first one of the plurality of cold-box compartments is mounted to a first side of the bulk gas tank, and
- a second one of the plurality of cold-box compartments is mounted to a second side of the bulk gas tank.

6. The apparatus according to claim 5, wherein the second side of the bulk gas tank is opposite to the first side of the bulk gas tank.

7. The apparatus according to at least one of claims 1 to 6, wherein each one of the plurality of cold- box compartments comprises at least one hatch.

8. The apparatus according to claim 7, wherein the hatch is provided for access to an interior of each of said cold-box compartments.

9. The apparatus according to at least one of claims 1 to 8, wherein the bulk gas tank contains a gas comprising liquid natural gas (LNG).

10. The apparatus according to at least one of claims 1 to 9, further comprising at least one pipe for each one of the plurality of cold-box compartments, the at least one pipe connecting a corresponding one of the cold-box compartments with the bulk gas tank.

11. The apparatus according to at least one of claims 1 to 10, wherein the plurality of cold-box compartments are disposed aboard a waterborne platform.

12. The apparatus according to at least one of claims 1 to 11 wherein each cold-box compartment comprise ventilation capability, a gas and fire detection equipment, or both.

13. A cold-box system for use with a bulk gas tank onboard a ship, comprising:
- a cold-box apparatus according to at least one of claims 1 to 12, said cold-box apparatus in particular comprising a plurality of cold-box compartments operationally associated with the bulk gas tank, and
- the bulk gas tank.

14. The system according to claim 13, wherein the plurality of cold-box compartments are mounted to the bulk gas tank.

15. The system according to claim 13 or 14, wherein the bulk gas tank is spaced apart from the plurality of cold-box compartments.

16. The system according to at least one of claims 13 to 15, wherein the bulk gas tank is disposed aboard a waterborne platform.

17. The system according to at least one of claims 13 to 16, wherein the bulk gas tank comprises a reinforcement ring circumscribed on an exterior surface of the bulk gas tank.

18. The system according to at least one of claims 13 to 17, wherein the bulk gas tank comprises a mountable lifting lug.

19. The system according to claim 18, wherein the lifting lug is mounted to an upper region of the bulk gas tank.

20. The system according to at least one of claims 13 to 19 wherein the apparatus comprises a lashing lug.