

SHIP-TYPE STRUCTURE AND METHOD FOR DESIGNING SHIP-TYPE STRUCTURE

ABSTRACT

A ship-type structure having a tank constitution shared between a tanker and a floating offshore storage structure, and a method for designing a ship-type structure; wherein wing cargo tanks (12) and ship-side-and-bottom compartments (13) are provided sequentially toward both outer sides of the ship from middle center cargo tanks (11) in bilateral symmetry in the transverse direction, the tanks excluding slop tanks (14) are counted, and the number (N_w) of wing cargo tanks (12) on one side of the ship is set greater than the number (N_c) of center cargo tanks (11). A compartment arrangement particularly resistant to ship-side damage is thereby planned with as little increase as possible in the number of costly tanks, i.e., in the surface area of the watertight bulkheads for partitioning the tanks, the tanker remains easy to use, the cost is kept competitive, and the compartment arrangement can be used in a floating offshore storage structure. A floating offshore storage structure that has reduced design costs and shortened lead time is provided inexpensively and quickly.

[Fig. 1]