treatment unit.

SUMMARY ~~OF THE INVENTION~~

Accordingly, ~~the present invention is~~ embodiments below are conceived to solve the foregoing problems, and an aspect of the present invention provides to the ballast water treatment system to ensure that there is no need to install additional explosion proof space by installing the ballast water treatment unit in the engine room especially for the tanker ship.

In accordance with ~~an embodiment of the present invention~~an aspect, the ballast water treatment system ~~includes~~with: a ballast water treatment unit which is ~~installed~~ in the engine room of a ship having a submergible pump includes; the ballast water treatment unit when is installed in the engine room; the first ballast pump to transfer ballast water to the ballast water treatment unit; a ballast tank connected to the ballast water treatment unit through a main pipe, where ballast water is transferred ~~and stored~~ through the main pipe; a submergible ballast pump submerged in the ballast water of the ballast tank; and

the main pipe connected to the ballast tank through the deck of the ship from the ballast water treatment unit, installed with at least two check valves in one side of the pipe passing though the deck. In an embodiment, the second ballast pump submerged in the ballast water of the ballast tank; a branch pipe branched from the main pipe and transferring some of ballast water treated in the ballast water treatment unit to APT.