

SYSTEM FOR TREATING GAS CONTAINED WITHIN A TANK FOR STORING AND/OR TRANSPORTING GAS IN THE LIQUID STATE AND THE GASEOUS STATE, THE SYSTEM BEING FITTED ON A SHIP

Abstract

The present invention relates to a system (100) for treating gas contained within a tank (200) for storing and/or transporting gas in the liquid state and the gaseous state, the system being fitted on a ship, the system (100) comprising at least: - a heat exchanger (110) configured to operate a heat exchange between gas taken from the tank (200) in the gaseous state and compressed gas from the tank (200), - a compression member (120) configured to compress the gas in the gaseous state from the heat exchanger (110), - an apparatus for consuming gas (130, 131) in the gaseous state, the device being configured to be supplied with the compressed gas, - a first pipe (101) connecting the compression member (120) to the apparatus for consuming gas (130, 131) in the gaseous state, - a second pipe (102) connecting the first pipe (101) to an inlet of the heat exchanger (110), - a third pipe (103) connecting an outlet (116) of the heat exchanger (110) to a tank bottom (200), - a bubbling means (140) connected to the third pipe (103) and configured to distribute gas from the heat exchanger (110) in the gaseous state in the tank bottom (200).

Fig. 1