

Title (en)

A METHOD AND SYSTEM FOR HEATING OF A FLUID INSIDE A PLURALITY OF TANKS

Title (de)

VERFAHREN UND SYSTEM ZUM ERWÄRMEN EINES FLUIDS IN MEHREREN TANKS

Title (fr)

PROCÉDÉ ET SYSTÈME POUR CHAUFFER UN FLUIDE À L'INTÉRIEUR DE PLUSIEURS RÉSERVOIRS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012118381A1] A heating system and a method for heating a plurality of tanks (11) intended to contain a liquid onboard marine installations or vessels, based on circulation of a thermal liquid, such as water and/or glycol. Each tanks (11) is provided with at least one heating element (17) and associated piping system (20,21) for supply and discharge of the thermal fluid, and an inlet (12) for loading the fluid to be stores and an outlet (13) for discharging the stored fluid. Further, each tank is preferably also being provided with a primary circulation system including a pipe system with at least a valve and pumping unit (14,16) associated with said inlet (12) and outlet (13) for circulation of the liquid in the tank (11). The at least one heating element (17) and associated piping circulation system (20,21) is a closed circulation system, comprising a heat delivering heat exchange (23), a circulation pipeline system (20) delivering heat to at least one heating element (17) in the tank (11) and an actuated valve (22) arranged in the supply line (20) for each tank (11) for separately controlling the rate of circulation of heated liquid through the heating element (17), the heating element (17) comprising at least one small sized, high performance removable heating coil, and that the system includes a system for controlling the volume of heat delivered separately to each tank (11).

IPC 8 full level

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Citation (search report)

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Designated contracting state (EPC)

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