

DETERMINING OPERATIONAL ENERGY LOSSES IN A LIQUEFIED GAS TRANSPORT SHIP

Abstract

5 The invention relates to a method for determining (10) operational energy losses (D_f , D_s), over a time interval, of a liquefied gas transport ship provided with a liquefaction system, comprising steps of: - calculating (12) an amount of energy consumed (D_1) by an energy consumer of the ship; -calculating (14) an energy variation (D_2) as a function of a temperature variation of the liquefied gas; - adding (16) the energy variation (D_2) to the amount of energy consumed (D_1), resulting in an actual operational energy loss (D_f); and when the liquefaction system is
10 activated over the time interval: - calculating (18) an energy saving (D_3) by the liquefaction system; and - adding (20) the energy saving (D_3) to the actual operational energy loss (D_f), resulting in an estimated operational energy loss (D_s) that would have been observed without the activation of the liquefaction system.

15 Fig. 1