

Title (en)
METHOD FOR CONTROLLING A CRYOGENIC TANK, CORRESPONDING CRYOGENIC TANK AND CORRESPONDING UNDERWATER BUILDING

Title (de)
VERFAHREN ZUR STEUERUNG EINES KRYOTANKS, ENTSPRECHENDER KRYOTANK UND ENTSPRECHENDES UNTERWASSERBAUWERK

Title (fr)
PROCÉDÉ DE CONTRÔLE D'UN RÉSERVOIR CRYOGÉNIQUE, RÉSERVOIR CRYOGÉNIQUE ET BÂTIMENT SOUS-MARIN CORRESPONDANTS

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Abstract (en)
[origin: WO2020099410A1] The invention relates to a method for controlling a cryogenic tank (38) comprising a chamber (40) containing a liquefied gas, the liquefied gas forming a liquid phase (44) and a gas phase (46) in the chamber (40). The method comprises the following steps: - measuring a parameter representative of a pressure of the gas phase (46) and a parameter representative of a pressure in the liquid phase (44); - measuring a parameter representative of a temperature of the liquid phase (44); and - determining a total mass of the liquid phase (44) from the parameters representative of the temperature of the liquid phase (44), of the pressure in the liquid phase (44) and of the pressure of the gas phase (46). The invention also relates to a corresponding cryogenic tank (38) and a corresponding underwater building.

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