

Title (en)

SYSTEM FOR STORING AND TRANSPORTING A CRYOGENIC FLUID ON A SHIP

Title (de)

SYSTEM ZUM LAGERN UND TRANSPORTIEREN EINER KRYOGENEN FLÜSSIGKEIT AN BORD EINES SCHIFFES

Title (fr)

INSTALLATION DE STOCKAGE ET DE TRANSPORT D'UN FLUIDE CRYOGÉNIQUE EMBARQUÉE SUR UN NAVIRE

Publication

**EP 3755939 A2 20201230 (FR)**

Application

**EP 19710045 A 20190212**

Priority

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Abstract (en)

[origin: WO2019162594A2] The invention relates to a system for storing and transporting a cryogenic fluid on a ship, said system comprising: a sealed, thermally insulated tank (2) having a ceiling wall which includes, from the outside towards the inside of the tank (2) in the direction of a thickness of the wall, a primary thermally insulating barrier (11) and a primary sealing membrane (10) that is to be in contact with the cryogenic fluid; a sealed pipe (14) which penetrates the ceiling wall of the tank (2), said pipe (14) having a lower portion (15), a first end of which is located inside the ceiling wall of the tank (2) and a second end of which is located outside the ceiling wall of the tank (2) in a direction of the thickness of the ceiling wall, and an upper portion (16) that is attached to the second end of the lower portion (15); the lower portion (15) is made of an alloy having a low coefficient of thermal expansion, and the primary sealing membrane (10) is attached in a sealed manner to the lower portion (15) of the pipe (14) around the pipe (14).

IPC 8 full level

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Citation (search report)

See references of WO 2019162594A2

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