

Title (en)

METHOD AND EQUIPMENT FOR REFRIGERATING AND/OR MOVING FLUIDS USING LIQUEFIED CRYOGENIC GASES

Title (de)

VERFAHREN UND AUSRÜSTUNG ZUM KÜHLEN UND/ODER BEWEGEN VON FLÜSSIGKEITEN MITHILFE VERFLÜSSIGTER KRYOGENER GASE

Title (fr)

PROCÉDÉ ET ÉQUIPEMENT DE RÉFRIGÉRATION ET/OU DE DÉPLACEMENT DE FLUIDES À L'AIDE DE GAZ CRYOGÉNIQUES LIQUÉFIÉS

Publication

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Application

EP 10708165 A 20100225

Priority

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- IT MI20090308 A 20090303

Abstract (en)

[origin: WO2010100080A1] A method and equipment for refrigerating and/or moving a fluid, for example a multiphase fluid or a fluid containing fluid or solid agglomerations, this fluid being present in its own storage reservoir and being introduced into a loading chamber (2) and being subsequently subjected to the action of a different working fluid. Provision is made for the creation of a pressure drop in the loading chamber (2) to draw the multiphase fluid into it from the reservoir and subsequently to transfer it into a chamber (1) where it is refrigerated by means of cryogenic fluids, while in this chamber (1) the working fluid is used to generate a pressure greater than atmospheric pressure in the chamber (1), thereby enabling the multiphase fluid to be transferred subsequently towards a further use, said fluid thus being moved from the reservoir and towards the further use without subjecting this fluid to the action of moving mechanical members.

IPC 8 full level

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CPC (source: EP)

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