Title (en)
    METHOD FOR COOLING A CRYOGENIC EXCHANGE LINE

Title (de)
    VERFAHREN ZUR KÜHLUNG EINER KRYOGENEN AUSTAUSCHLEITUNG

Title (fr)
    PROCÉDÉ DE MISE EN FROID D'UNE LIGNE D'ÉCHANGE CRYOGÉNIQUE

Publication
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Application
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Abstract (en)
    [origin: WO2008139085A2] The invention relates to a method for the cryogenic separation, the cooling or the liquefaction of a fluid using an exchange line, that comprises extracting from said exchange line at least one dual phase fluid (11), separating said dual phase fluid into at least one vapour fraction (4) and one liquid fraction (5) in a phase separator (40), expanding at least one portion of the liquid fraction (5) using a first expansion means (60, 90), reinjecting, reheating and at least partially vaporising said expanded liquid fraction in the exchange line, the first expansion means being a valve, wherein during the cooling of said exchange line, at least a fraction of the fluid extracted from the exchange line (2, 4 or 5) and/or from the phase separator (40) is expanded in second expansion means (61, 71, 81, 91) parallel to the first expansion means (6), while during a normal operation, the second expansion means is essentially closed.

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