

Title (en)
METHOD FOR THE LIQUEFACTION OF A HYDROCARBON-RICH SYSTEM

Title (de)
VERFAHREN ZUR VERFLÜSSIGUNG EINES KOHLENWASSERSTOFFREICHEN SYSTEMS

Title (fr)
PROCÉDÉ DE REFOUILLISSEMENT D'UN COURANT DE PRODUIT, EN PARTICULIER D'UN COURANT DE GAZ NATUREL

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Abstract (en)
[origin: WO2006094969A1] The present invention relates to a method for the liquefaction of a hydrocarbon-rich stream, preferably a natural gas containing stream, by heat exchanging against a refrigerant (1a-d) . The liquid refrigerant (19) is evaporated using heat from the hydrocarbon-rich stream, thereby obtaining an evaporated refrigerant (3a-d) . The evaporated refrigerant (3a-d) is subsequently compressed (5), cooled (10) against ambient thereby fully condensing the compressed refrigerant. Next, the fully condensed compressed refrigerant (12) is further sub-cooled (14) by indirect heat exchange against an auxiliary refrigerant being cycled in an auxiliary refrigerant. Then the subcooled refrigerant (16) is expanded (18) thereby forming the liquid refrigerant (19).

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