

Title (en)  
METHOD FOR TREATING A LIQUEFIED NATURAL GAS STREAM OBTAINED BY COOLING USING A FIRST REFRIGERATING CYCLE AND RELATED INSTALLATION

Title (de)  
VERFAHREN ZUR BEHANDLUNG EINES DURCH KÜHLEN UNTER VERWENDUNG EINES ERSTEN KÜHLZYKLUS ERHALTENEN VERFLÜSSIGTEN ERDGASSTROMS UND VERWANDTE ANLAGE

Title (fr)  
PROCEDE DE TRAITEMENT D'UN COURANT DE GNL OBTENU PAR REFROIDISSEMENT AU MOYEN D'UN PREMIER CYCLE DE REFRIGERATION ET INSTALLATION ASSOCIEE

Publication  
**EP 1946026 B1 20180117 (FR)**

Application  
**EP 06820179 A 20061010**

Priority  
• FR 2006002273 W 20061010  
• FR 0510329 A 20051010

Abstract (en)  
[origin: WO2007042662A2] The invention concerns a method which consists in cooling the LNG stream (11) with a coolant (83) in a first heat exchanger (19). The coolant (83) is subjected to a second semi-open refrigerating cycle (21), independent of the first cycle (15). The method includes a step of introducing the under-cooled LNG stream (59) in a distillation column (49) and a step of recovering a gas stream (69) at the head of the column (49). The second refrigerating cycle (21) includes a step of forming a coolant stream (73) from part of the head gas stream (69), a step of compressing the coolant stream (73) up to a high pressure, then a step of expanding part (81) of the compressed coolant stream (75) to form an essentially liquid under-cooling stream (83). The essentially liquid stream (83) is evaporated in the first heat exchanger (19).

IPC 8 full level  
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CPC (source: EP KR US)  
**F25J 1/0022** (2013.01 - EP US); **F25J 1/0037** (2013.01 - EP US); **F25J 1/004** (2013.01 - EP US); **F25J 1/0042** (2013.01 - EP US); **F25J 1/0045** (2013.01 - EP US); **F25J 1/0052** (2013.01 - EP US); **F25J 1/02** (2013.01 - KR); **F25J 1/0208** (2013.01 - EP US); **F25J 1/0219** (2013.01 - EP US); **F25J 1/0268** (2013.01 - EP US); **F25J 1/0274** (2013.01 - EP US); **F25J 1/0283** (2013.01 - EP US); **F25J 1/0285** (2013.01 - EP US); **F25J 1/0288** (2013.01 - EP US); **F25J 3/02** (2013.01 - KR); **F25J 3/0209** (2013.01 - EP US); **F25J 3/0233** (2013.01 - EP US); **F25J 3/0257** (2013.01 - EP US); **F25J 2200/02** (2013.01 - EP US); **F25J 2200/70** (2013.01 - EP US); **F25J 2210/06** (2013.01 - EP US); **F25J 2215/04** (2013.01 - EP US); **F25J 2240/30** (2013.01 - EP US); **F25J 2270/04** (2013.01 - EP US); **F25J 2270/12** (2013.01 - EP US); **F25J 2270/60** (2013.01 - EP US); **F25J 2270/66** (2013.01 - EP US); **F25J 2290/80** (2013.01 - EP US); **Y10S 62/927** (2013.01 - EP US)

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