

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

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Application
EP 06820179 A 20061010

Priority
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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)
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US10480851B2; US10663221B2; US11408676B2; US9441877B2; US10502483B2

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