

Title (en)
METHOD FOR SUBCOOLING A LNG STREAM OBTAINED BY COOLING BY MEANS OF A FIRST REFRIGERATING CYCLE, AND RELATED INSTALLATION

Title (de)
VERFAHREN ZUR UNTERKÜHLUNG EINES DURCH KÜHLUNG ERZIELTEN FLÜSSIGERDASSTROMES MITTELS EINES ERSTEN KÜHLZYKLUS SOWIE ENTSPRECHENDE INSTALLATION

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

Publication
EP 1869384 A1 20071226 (FR)

Application
EP 06743662 A 20060407

Priority
• FR 2006000781 W 20060407
• FR 0503575 A 20050411

Abstract (en)
[origin: US2006225461A1] In this process, the LNG stream is sub-cooled with a refrigerating fluid in a first heat exchanger. This refrigerating fluid undergoes a closed second refrigeration cycle which is independent of the first cycle. The closed cycle comprises a phase of heating the refrigerating fluid in a second heat exchanger, and a phase of compressing the refrigerating fluid in a compression apparatus to a pressure greater than its critical pressure. It further comprises a phase of cooling the refrigerating fluid originating from the compression apparatus in the second heat exchanger and a phase of dynamically expanding of a proportion of the refrigerating fluid issuing from the second heat exchanger in a turbine. The refrigerating fluid is formed by a mixture of nitrogen-containing fluids.

IPC 8 full level
F25J 1/02 (2006.01)

CPC (source: EP KR US)
F25B 40/00 (2013.01 - KR); **F25B 40/02** (2013.01 - KR); **F25J 1/00** (2013.01 - KR); **F25J 1/0022** (2013.01 - EP US); **F25J 1/005** (2013.01 - EP US); **F25J 1/0052** (2013.01 - EP US); **F25J 1/0057** (2013.01 - EP US); **F25J 1/0087** (2013.01 - EP US); **F25J 1/0092** (2013.01 - EP US); **F25J 1/0097** (2013.01 - EP US); **F25J 1/02** (2013.01 - KR); **F25J 1/0214** (2013.01 - EP US); **F25J 1/0217** (2013.01 - EP US); **F25J 1/0218** (2013.01 - EP US); **F25J 1/0268** (2013.01 - EP US); **F25J 1/0283** (2013.01 - EP US); **F25J 1/0288** (2013.01 - EP US); **F25J 1/029** (2013.01 - EP US); **F25J 2270/16** (2013.01 - EP US); **F25J 2290/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2006108952A1

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