

Title (en)

METHOD FOR PRODUCING LIQUEFIED NATURAL GAS FROM NATURAL GAS, AND CORRESPONDING PLANT

Title (de)

VERFAHREN ZUR HERSTELLUNG VON FLÜSSIGERDAS AUS ERDGAS UND ENTSPRECHENDE ANLAGE

Title (fr)

PROCÉDÉ DE PRODUCTION DE GAZ NATUREL LIQUÉFIÉ À PARTIR DE GAZ NATUREL, ET INSTALLATION CORRESPONDANTE

Publication

EP 4248158 A1 20230927 (FR)

Application

EP 21806260 A 20211109

Priority

- FR 2011752 A 20201117
- EP 2021081084 W 20211109

Abstract (en)

[origin: WO2022106260A1] A method for producing LNG (12) from natural gas (14), comprising the following steps: - liquefying at a least first portion (19) of the natural gas (14) in a first heat exchanger (18) by heat exchange with a mixed first refrigerant (44) in a closed cycle (42), - subcooling the liquefied natural gas (22) in a second heat exchanger (20) by heat exchange with a second refrigerant (62) of a second refrigerant cycle (60), - expanding the stream of subcooled liquefied natural gas (26) and entering into a flash gas separator (32), - withdrawing liquefied natural gas at the bottom of the separator, and withdrawing, at the top, a gas flow (34), and supplying the second refrigerant cycle (60) with at least one portion of said gas flow.

IPC 8 full level

F25J 1/00 (2006.01); **F25J 1/02** (2006.01)

CPC (source: EP KR US)

F25J 1/0022 (2013.01 - EP KR US); **F25J 1/004** (2013.01 - EP KR); **F25J 1/0045** (2013.01 - EP KR US); **F25J 1/005** (2013.01 - EP KR US); **F25J 1/0055** (2013.01 - EP KR US); **F25J 1/0219** (2013.01 - EP KR US); **F25J 1/023** (2013.01 - EP KR US); **F25J 1/0238** (2013.01 - EP KR US); **F25J 1/0264** (2013.01 - EP KR); **F25J 1/0267** (2013.01 - EP KR US); **F25J 1/0288** (2013.01 - EP KR US); **F25J 3/0209** (2013.01 - EP KR US); **F25J 3/0233** (2013.01 - EP KR US); **F25J 3/0257** (2013.01 - EP KR US); **F25J 2200/02** (2013.01 - EP KR US); **F25J 2200/40** (2013.01 - EP KR US); **F25J 2200/70** (2013.01 - EP KR US); **F25J 2210/06** (2013.01 - EP KR US); **F25J 2215/04** (2013.01 - EP KR US); **F25J 2220/62** (2013.01 - EP KR US); **F25J 2245/90** (2013.01 - EP KR US); **F25J 2270/02** (2013.01 - EP KR US); **F25J 2270/18** (2013.01 - EP KR US); **F25J 2270/66** (2013.01 - EP KR US); **F25J 2270/88** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2022106260A1

Designated contracting state (EPC)

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