

Title (en)

Method for producing pressurized liquefied natural gas and production system therefor

Title (de)

Verfahren zur Herstellung von unter Druck stehenden, verflüssigtem Erdgas und Herstellungssystem dafür

Title (fr)

Procédé pour la production d'un gaz naturel liquéfié et système de production correspondant

Publication

EP 2442056 A3 20180307 (EN)

Application

EP 11185499 A 20111017

Priority

- KR 20100100937 A 20101015
- KR 20100103733 A 20101022
- KR 20100107089 A 20101029

Abstract (en)

[origin: EP2442056A2] A method for producing pressurized liquefied natural gas and a production system therefor are provided. The method for producing pressurized liquefied natural gas includes: performing a dehydration process (S11) to remove water from natural gas supplied from a natural gas field, without a process of removing acid gas from the natural gas; and performing a liquefaction process (S12) to produce pressurized liquefied natural gas by liquefying the natural gas, which has undergone the dehydration process, at a pressure of 13 to 25 bar and a temperature of -120 to -95°C, without a process of fractionating natural gas liquid (NGL). Accordingly, it is possible to reduce plant construction costs and maintenance expenses and reduce LNG production costs. In addition, it is possible to guarantee high economic profit and reduce payback period in small and medium-sized gas fields, from which economic feasibility could not be ensured by the use of a conventional method.

IPC 8 full level

F25J 1/00 (2006.01); **F17C 1/00** (2006.01); **F25J 1/02** (2006.01)

CPC (source: EP)

F25J 1/0022 (2013.01); **F25J 1/005** (2013.01); **F25J 1/0055** (2013.01); **F25J 1/0254** (2013.01); **F25J 1/0263** (2013.01); **F25J 1/0265** (2013.01); **F25J 1/0272** (2013.01); **F17C 2201/0109** (2013.01); **F17C 2201/032** (2013.01); **F17C 2201/054** (2013.01); **F17C 2203/015** (2013.01); **F17C 2203/035** (2013.01); **F17C 2203/0631** (2013.01); **F17C 2203/0636** (2013.01); **F17C 2203/0643** (2013.01); **F17C 2203/0646** (2013.01); **F17C 2205/0111** (2013.01); **F17C 2205/0146** (2013.01); **F17C 2205/0323** (2013.01); **F17C 2205/0326** (2013.01); **F17C 2205/0341** (2013.01); **F17C 2205/0397** (2013.01); **F17C 2209/221** (2013.01); **F17C 2209/228** (2013.01); **F17C 2209/234** (2013.01); **F17C 2221/033** (2013.01); **F17C 2223/0161** (2013.01); **F17C 2223/035** (2013.01); **F17C 2223/045** (2013.01); **F17C 2227/0121** (2013.01); **F17C 2227/0341** (2013.01); **F17C 2227/036** (2013.01); **F17C 2227/0393** (2013.01); **F17C 2250/032** (2013.01); **F17C 2250/0439** (2013.01); **F17C 2265/012** (2013.01); **F17C 2265/03** (2013.01); **F17C 2265/037** (2013.01); **F17C 2265/05** (2013.01); **F17C 2270/0105** (2013.01); **F17C 2270/0113** (2013.01); **F25J 2205/20** (2013.01); **F25J 2205/24** (2013.01); **F25J 2205/84** (2013.01); **F25J 2220/66** (2013.01); **F25J 2220/68** (2013.01); **F25J 2290/44** (2013.01); **F25J 2290/62** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2442056 A2 20120418; **EP 2442056 A3 20180307**; AU 2011236067 A1 20120503; AU 2011236067 B2 20130207

DOCDB simple family (application)

EP 11185499 A 20111017; AU 2011236067 A 20111017