

Title (en)

PRODUCING LNG FROM METHANE CONTAINING SYNTHETIC GAS

Title (de)

HERSTELLUNG VON LNG AUS METHANHALTIGEM SYNTHESGAS

Title (fr)

PRODUCTION DE GNL À PARTIR DE GAZ DE SYNTHÈSE CONTENANT DU MÉTHANE

Publication

**EP 4123251 A2 20230125 (EN)**

Application

**EP 22181689 A 20220628**

Priority

US 202117360031 A 20210628

Abstract (en)

Described herein are methods and systems for producing liquefied natural gas (LNG) from a methane-containing synthetic gas (MCSG). An MCSG feed stream may be cooled and partially liquefied using one or more heat exchanger units. A first phase separator and a second phase separator in downstream fluid flow communication with the first phase separator may be used to separate the partially liquefied MCSG stream into a first residue gas stream and first and second feed streams, the first and second feed streams then being fed into a distillation column to produce an LNG stream and a second residue gas stream.

IPC 8 full level

**F25J 3/00** (2006.01)

CPC (source: CN EP KR US)

**F25J 1/0022** (2013.01 - KR); **F25J 1/0037** (2013.01 - KR); **F25J 1/004** (2013.01 - KR); **F25J 1/005** (2013.01 - KR); **F25J 1/0082** (2013.01 - KR); **F25J 1/021** (2013.01 - KR); **F25J 1/0263** (2013.01 - KR); **F25J 1/0267** (2013.01 - KR); **F25J 3/0214** (2013.01 - CN); **F25J 3/0223** (2013.01 - EP US); **F25J 3/0233** (2013.01 - EP US); **F25J 3/0252** (2013.01 - EP); **F25J 3/0261** (2013.01 - EP); **F25J 3/0271** (2013.01 - EP); **F25J 3/0295** (2013.01 - CN); **F25J 2200/02** (2013.01 - EP); **F25J 2200/06** (2013.01 - US); **F25J 2200/70** (2013.01 - EP); **F25J 2200/74** (2013.01 - US); **F25J 2200/76** (2013.01 - EP); **F25J 2205/04** (2013.01 - EP US); **F25J 2210/06** (2013.01 - EP); **F25J 2210/18** (2013.01 - US); **F25J 2210/62** (2013.01 - CN); **F25J 2215/04** (2013.01 - EP US); **F25J 2215/60** (2013.01 - US); **F25J 2220/62** (2013.01 - KR); **F25J 2230/08** (2013.01 - KR); **F25J 2235/60** (2013.01 - EP); **F25J 2240/02** (2013.01 - EP); **F25J 2245/90** (2013.01 - KR); **F25J 2260/20** (2013.01 - EP); **F25J 2270/04** (2013.01 - EP); **F25J 2270/06** (2013.01 - KR); **F25J 2270/16** (2013.01 - KR); **F25J 2270/18** (2013.01 - EP); **F25J 2270/66** (2013.01 - EP); **F25J 2290/34** (2013.01 - EP)

Citation (applicant)

US 10436505 B2 20191008 - JIANG HAO [CN], et al

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

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BA ME

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KH MA MD TN

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