

Title (en)

PROCESS FOR EXPANSION AND STORAGE OF A FLOW OF LIQUEFIED NATURAL GAS FROM A NATURAL GAS LIQUEFACTION PLANT, AND ASSOCIATED PLANT

Title (de)

VERFAHREN ZUR EXPANSION UND LAGERUNG EINES STROMS AUS VERFLÜSSIGTEM ERDGAS AUS EINER ERDGASVERFLÜSSIGUNGSANLAGE UND ZUGEHÖRIGE ANLAGE

Title (fr)

PROCÉDÉ DE DÉTENTE ET DE STOCKAGE D'UN COURANT DE GAZ NATUREL LIQUÉFIÉ ISSU D'UNE INSTALLATION DE LIQUÉFACTION DE GAZ NATUREL, ET INSTALLATION ASSOCIÉE

Publication

EP 3322948 A1 20180523 (FR)

Application

EP 16741582 A 20160712

Priority

- FR 1556656 A 20150713
- EP 2016066544 W 20160712

Abstract (en)

[origin: WO2017009341A1] The process comprises the following steps: - mixing a gaseous stream of flash gas (48) and a gaseous stream of evaporation gas (52) in order to form a mixed gaseous flow (54); - compression of the mixed gaseous flow (54) in at least one compression apparatus (30) in order to form a compressed fuel gas flow (32); - withdrawal of a bypass flow (36) in the compressed fuel gas flow (32); - compression of the bypass flow (36) in at least one downstream compressor (34); - cooling and expansion of the compressed bypass flow (66); - reheating of at least one first stream (68; 70) derived from the expanded bypass flow (68) in at least one downstream heat exchanger (40); - reintroduction of the reheated first stream (68; 70) into the mixed gaseous flow (54) upstream of the compression apparatus (30).

IPC 8 full level

F25J 1/00 (2006.01); **F17C 9/04** (2006.01); **F25J 1/02** (2006.01); **F25J 3/02** (2006.01)

CPC (source: EP KR US)

F17C 9/04 (2013.01 - KR US); **F25J 1/0022** (2013.01 - EP KR US); **F25J 1/0025** (2013.01 - US); **F25J 1/0037** (2013.01 - EP KR US); **F25J 1/004** (2013.01 - EP US); **F25J 1/0042** (2013.01 - EP KR US); **F25J 1/0208** (2013.01 - EP KR US); **F25J 1/0219** (2013.01 - EP KR US); **F25J 1/0264** (2013.01 - EP KR US); **F25J 1/0271** (2013.01 - EP KR US); **F25J 1/0278** (2013.01 - EP KR US); **F25J 1/0288** (2013.01 - EP US); **F25J 3/0209** (2013.01 - EP KR US); **F25J 3/0214** (2013.01 - US); **F25J 3/0233** (2013.01 - EP KR US); **F25J 3/0257** (2013.01 - EP US); **F17C 2221/033** (2013.01 - EP US); **F17C 2223/0161** (2013.01 - EP US); **F17C 2223/033** (2013.01 - EP US); **F17C 2265/022** (2013.01 - EP US); **F17C 2265/034** (2013.01 - EP US); **F17C 2270/0136** (2013.01 - EP US); **F25J 2200/02** (2013.01 - EP US); **F25J 2200/70** (2013.01 - EP US); **F25J 2200/76** (2013.01 - EP US); **F25J 2205/04** (2013.01 - EP US); **F25J 2210/06** (2013.01 - EP US); **F25J 2215/04** (2013.01 - EP US); **F25J 2220/62** (2013.01 - EP US); **F25J 2240/30** (2013.01 - EP US); **F25J 2245/90** (2013.01 - EP US); **F25J 2270/04** (2013.01 - EP US); **F25J 2270/88** (2013.01 - EP US)

Citation (search report)

See references of WO 2017009341A1

Designated contracting state (EPC)

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BA ME

DOCDB simple family (publication)

WO 2017009341 A1 20170119; CN 108027197 A 20180511; CN 108027197 B 20200619; EP 3322948 A1 20180523; FR 3038964 A1 20170120; FR 3038964 B1 20170818; JP 2018523805 A 20180823; JP 6800204 B2 20201216; KR 102523737 B1 20230419; KR 20180030048 A 20180321; US 10995910 B2 20210504; US 2018202610 A1 20180719

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