

Title (en)

Method and apparatus for producing a liquefied hydrocarbon stream

Title (de)

Verfahren und Vorrichtung zur Erzeugung eines verflüssigten Kohlenwasserstoffstroms

Title (fr)

Procédé et appareil de production d'un flux d'hydrocarbure liquéfié

Publication

EP 2796818 A1 20141029 (EN)

Application

EP 13164692 A 20130422

Priority

EP 13164692 A 20130422

Abstract (en)

A first nitrogen stripper feed stream is fed into a nitrogen stripper column at a stripping pressure. A nitrogen-stripped liquid is drawn from a sump space of the nitrogen stripper column, depressurized to a flash pressure that is lower than the stripping pressure, and fed to an end flash separator. A liquefied hydrocarbon product stream is discharged from the end flash separator, as well as a process vapour. The process vapour is compressed to at least the stripping pressure, and, split in a stripping vapour stream and a fuel gas vapour stream. The stripping vapour stream is fed into the nitrogen stripper column, while the fuel gas vapour stream is passed to a gas turbine. Another fuel gas, having a lower heating value, is obtained from the overhead vapour from the nitrogen stripper column. This other fuel gas is combusted in a combustion device other than a gas turbine.

IPC 8 full level

F25J 1/00 (2006.01); **F25J 1/02** (2006.01); **F25J 3/02** (2006.01)

CPC (source: EP)

F25J 1/0022 (2013.01); **F25J 1/004** (2013.01); **F25J 1/0042** (2013.01); **F25J 1/0045** (2013.01); **F25J 1/0052** (2013.01); **F25J 1/0055** (2013.01); **F25J 1/0214** (2013.01); **F25J 1/0216** (2013.01); **F25J 1/023** (2013.01); **F25J 1/0237** (2013.01); **F25J 1/0245** (2013.01); **F25J 1/0255** (2013.01); **F25J 1/0274** (2013.01); **F25J 1/0283** (2013.01); **F25J 1/0292** (2013.01); **F25J 3/0209** (2013.01); **F25J 3/0233** (2013.01); **F25J 3/0257** (2013.01); **F25J 2200/02** (2013.01); **F25J 2200/40** (2013.01); **F25J 2200/50** (2013.01); **F25J 2200/74** (2013.01); **F25J 2205/02** (2013.01); **F25J 2210/06** (2013.01); **F25J 2230/60** (2013.01); **F25J 2240/30** (2013.01); **F25J 2245/02** (2013.01); **F25J 2245/90** (2013.01); **F25J 2260/60** (2013.01); **F25J 2270/02** (2013.01); **F25J 2270/12** (2013.01); **F25J 2280/02** (2013.01)

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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 2796818 A1 20141029; AU 2014257929 A1 20151203; AU 2014257929 B2 20170119; CA 2909598 A1 20141030; CA 2909598 C 20210727; WO 2014173593 A2 20141030; WO 2014173593 A3 20151126

DOCDB simple family (application)

EP 13164692 A 20130422; AU 2014257929 A 20140321; CA 2909598 A 20140321; EP 2014055765 W 20140321