

Title (en)

PROCESS FOR SEPARATING AND RECOVERING ETHANE AND HEAVIER HYDROCARBONS FROM LNG

Title (de)

VERFAHREN ZUR ABTRENNUNG UND RÜCKGEWINNUNG VON ETHAN UND SCHWEREREN KOHLENWASSERSTOFFEN AUS FLÜSSIGERDAS

Title (fr)

PROCÉDÉ DE SÉPARATION ET DE RÉCUPÉRATION D'ÉTHANE ET D'HYDROCARBURES PLUS LOURDS À PARTIR DE GNL

Publication

EP 2630220 A4 20180718 (EN)

Application

EP 11835149 A 20111020

Priority

- US 201113277351 A 20111020
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- US 2011057106 W 20111020

Abstract (en)

[origin: US2012096896A1] A process for extracting heavier components, e.g., NGL from liquid/fluid streams such as Rich LNG (RLNG) stream(s) with the streamlined economy. The process involves heating the RLNG stream in heat exchanger(s) (LNGX) against column overhead vapour stream; not requiring separation of Feed streams into feed and reflux by splitting either pre- or post- of heat LNGX. The source liquid RLNG is processed producing liquid NGL and at same time returning purified Lean LNG (LLNG) product in its Liquid LNG form. The process operates essentially without the need for compression equipment. The process further provides without compressors vaporized natural gas at pipeline pressure and specifications. This is a system that can flexibly change product compositions and specifications of product NGL/Lean LNG/Pipeline Gas and operate in both Pipeline Specification deep 99% Ethane (C2) Extraction and Ethane (C2) Rejection NGL recovery modes with economy of equipment and energy requirements.

IPC 8 full level

C07C 7/09 (2006.01); **C07C 9/06** (2006.01); **C10G 31/06** (2006.01); **C10L 3/10** (2006.01); **F25J 1/00** (2006.01); **F25J 3/02** (2006.01)

CPC (source: EP KR US)

C07C 7/09 (2013.01 - KR); **C07C 9/06** (2013.01 - KR); **C10G 31/06** (2013.01 - KR); **C10L 3/10** (2013.01 - KR); **F25J 1/00** (2013.01 - KR); **F25J 3/0214** (2013.01 - EP US); **F25J 3/0233** (2013.01 - EP US); **F25J 3/0238** (2013.01 - EP US); **F25J 3/0242** (2013.01 - EP US); **F25J 2200/02** (2013.01 - EP US); **F25J 2200/70** (2013.01 - EP US); **F25J 2200/72** (2013.01 - EP); **F25J 2200/74** (2013.01 - EP US); **F25J 2200/90** (2013.01 - EP US); **F25J 2200/92** (2013.01 - EP US); **F25J 2205/04** (2013.01 - EP US); **F25J 2205/50** (2013.01 - EP US); **F25J 2210/04** (2013.01 - EP US); **F25J 2210/62** (2013.01 - EP US); **F25J 2230/08** (2013.01 - EP US); **F25J 2230/60** (2013.01 - EP US); **F25J 2235/60** (2013.01 - EP US); **F25J 2245/02** (2013.01 - EP US); **F25J 2280/02** (2013.01 - EP US)

Citation (search report)

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