Title (en)

INTEGRATED NGL RECOVERY AND LIQUEFIED NATURAL GAS PRODUCTION

Title (de)

INTEGRIERTE RÜCKGEWINNUNG VON FLÜSSIGEM ERDGAS UND HERSTELLUNG VON FLÜSSIGERDGAS

Title (fr)

RECUPERATION DE LGN ET PRODUCTION DE GAZ NATUREL LIQUEFIE INTEGREES

Publication

EP 1883773 A1 20080206 (EN)

Application

EP 06744760 A 20060515

Priority

- IB 2006001357 W 20060515
- US 13279505 A 20050519

Abstract (en)

[origin: WO2006123240A1] The separation of methane from an admixture (110) with ethane and higher hydrocarbons, especially natural gas, using a scrub column (114), in which the admixture is separated into a methane-rich overhead (116) that is partially condensed (122) to provide reflux to the column (114) and liquid methane- depleted bottoms liquid (126), is improved by providing additional reflux (136) derived from an ethane enriched stream (130) from fractionation (128) of the bottoms liquid. Preferably, absorber liquid (140) from the fractionation (128) also is introduced into the scrub column. The vapor fraction (120) remaining after partial condensation can be liquefied (122) to provide LNG product (124).

IPC 8 full level

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

CPC (source: EP KR US)

F25J 1/0022 (2013.01 - EP US); **F25J 1/0052** (2013.01 - EP US); **F25J 1/0055** (2013.01 - EP US); **F25J 1/02** (2013.01 - KR); **F25J 1/0214** (2013.01 - EP); **F25J 1/0216** (2013.01 - EP US); **F25J 1/0231** (2013.01 - EP US); **F25J 1/0239** (2013.01 - EP US); **F25J 1/0241** (2013.01 - EP US); **F25J 1/0258** (2013.01 - EP US); **F25J 1/0292** (2013.01 - EP US); **F25J 3/02** (2013.01 - KR); **F25J 3/0209** (2013.01 - EP US); **F25J 3/0233** (2013.01 - EP US); **F25J 3/0242** (2013.01 - EP US); F25J 2200/02 (2013.01 - EP US); F25J 2200/30 (2013.01 - EP US); F25J 2200/74 (2013.01 - EP US); F25J 2205/02 (2013.01 - EP US); F25J 2205/30 (2013.01 - EP); F25J 2205/50 (2013.01 - US); F25J 2215/64 (2013.01 - EP US); F25J 2235/60 (2013.01 - EP US); F25J 2245/02 (2013.01 - EP US); F25J 2270/12 (2013.01 - EP US); F25J 2270/60 (2013.01 - EP US); F25J 2270/66 (2013.01 - EP US); F25J 2290/40 (2013.01 - EP US)

Citation (search report)

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