

Title (en)

TWIN REFLUX PROCESS AND CONFIGURATIONS FOR IMPROVED NATURAL GAS LIQUIDS RECOVERY

Title (de)

DOPPELRÜCKFLUSSVERFAHREN UND KONFIGURATIONEN FÜR VERBESSERTE ERDGASKONDENSATGEWINNUNG

Title (fr)

PROCEDE A DEUX REFLUX ET CONFIGURATIONS DE RECUPERATION DE LIQUIDES GAZEUX NATURELS

Publication

**EP 1508010 B1 20080109 (EN)**

Application

**EP 02731911 A 20020520**

Priority

US 0216311 W 20020520

Abstract (en)

[origin: WO03100334A1] A two-column NGL recovery plant includes an absorber (110) and a distillation column (140) in which the absorber (110) receives two cooled reflux streams, wherein one reflux stream (107) comprises a vapor portion of the NGL and wherein the other reflux stream (146) comprises a lean reflux provided by the overhead (144) of the distillation column (140). Contemplated configurations are especially advantageous in a upgrade of an existing NGL plant and typically exhibit C<sub>3</sub> recovery of at least 99% and C<sub>2</sub> recovery of at least 90%.

IPC 8 full level

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

CPC (source: EP)

**F25J 3/0209** (2013.01); **F25J 3/0233** (2013.01); **F25J 3/0238** (2013.01); **F25J 3/0242** (2013.01); **F25J 2200/04** (2013.01); **F25J 2200/74** (2013.01); **F25J 2200/78** (2013.01); **F25J 2205/04** (2013.01); **F25J 2235/60** (2013.01); **F25J 2240/02** (2013.01); **F25J 2245/02** (2013.01); **F25J 2270/90** (2013.01); **F25J 2280/02** (2013.01)

Cited by

US11112175B2; US10451344B2; US10704832B2; US10330382B2; US11365933B2; US11725879B2

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**WO 03100334 A1 20031204**; AT E383557 T1 20080115; AU 2002303849 A1 20031212; AU 2002303849 B2 20060525; CA 2484085 A1 20031204; CA 2484085 C 20080805; DE 60224585 D1 20080221; DE 60224585 T2 20090402; EA 007771 B1 20070227; EA 200401400 A1 20050630; EP 1508010 A1 20050223; EP 1508010 A4 20060111; EP 1508010 B1 20080109; MX PA04011219 A 20050214; NO 20044580 L 20041216

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