

Title (en)  
METHOD AND APPARATUS FOR TREATING A HYDROCARBON STREAM

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR BEHANDLUNG EINES KOHLENWASSERSTOFFSTROMS

Title (fr)  
PROCÉDÉ ET DISPOSITIF POUR TRAITER UN COURANT D'HYDROCARBURES

Publication  
**EP 2029949 A2 20090304 (EN)**

Application  
**EP 07765408 A 20070614**

Priority  
• EP 2007055866 W 20070614  
• EP 06115604 A 20060616  
• EP 07765408 A 20070614

Abstract (en)  
[origin: WO2007144395A2] The present invention relates to a method of treating a hydrocarbon stream such as a natural gas stream, the method at least comprising the steps of: (a) supplying a partially condensed feed stream (10) to a first gas/liquid separator (2), the feed stream (10) having a pressure > 50 bar; (b) separating the feed stream (10) in the first gas/liquid separator (2) into a first vaporous stream (20) and a first liquid stream (70); (c) expanding the first vaporous stream (20), thereby obtaining an at least partially condensed first vaporous stream (30); (d) supplying the at least partially condensed first vaporous stream (30) to a second gas/liquid separator (4); (e) separating the stream (30) as supplied in step (d) in the second gas/liquid separator (4) into a second vaporous stream (60) and a second liquid stream (40); (f) increasing the pressure of the second liquid stream (40) to a pressure of at least 50 bar, thereby obtaining a pressurized second liquid stream (50); and (g) returning the pressurized second liquid stream (50) to the first gas/liquid separator (2).

IPC 8 full level  
**F25J 3/02** (2006.01); **C10G 5/06** (2006.01); **C10G 7/02** (2006.01); **C10L 3/10** (2006.01); **F25J 1/02** (2006.01)

CPC (source: EP US)  
**C10G 5/06** (2013.01 - EP US); **C10G 7/02** (2013.01 - EP US); **C10L 3/10** (2013.01 - EP US); **F25J 3/0209** (2013.01 - EP US); **F25J 3/0233** (2013.01 - EP US); **F25J 3/0242** (2013.01 - EP US); **F25J 3/0247** (2013.01 - EP US); **C10G 2300/1025** (2013.01 - EP US); **C10G 2300/4012** (2013.01 - EP US); **F25J 2200/02** (2013.01 - EP US); **F25J 2200/70** (2013.01 - EP US); **F25J 2200/74** (2013.01 - EP US); **F25J 2205/02** (2013.01 - EP US); **F25J 2210/06** (2013.01 - EP US); **F25J 2235/60** (2013.01 - EP US); **F25J 2245/02** (2013.01 - EP US); **F25J 2260/20** (2013.01 - EP US); **F25J 2270/04** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007144395A2

Citation (examination)  
US 4276057 A 19810630 - BECKER HANS, et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2007144395 A2 20071221**; **WO 2007144395 A3 20081030**; AU 2007259229 A1 20071221; AU 2007259229 B2 20100701; EG 25971 A 20121113; EP 2029949 A2 20090304; JP 2009540080 A 20091119; JP 5210302 B2 20130612; RU 2009101148 A 20100727; RU 2446370 C2 20120327; US 2009188279 A1 20090730

DOCDB simple family (application)  
**EP 2007055866 W 20070614**; AU 2007259229 A 20070614; EG 2008122013 A 20081215; EP 07765408 A 20070614; JP 2009514800 A 20070614; RU 2009101148 A 20070614; US 30449607 A 20070614