Title (en)

PROCESS FOR TREATING NATURAL GAS CONTAINING HYDROCARBONS AND HYDROGEN SULFIDE

Publication

EP 0361557 B1 19910911 (DE)

Application

EP 89202108 A 19890817

Priority

DE 3829878 A 19880902

Abstract (en)

[origin: US4934146A] A natural gas, which in addition to methane contains 2 to 4 carbon atoms per molecule and H2S, is treated to remove the H2S and the hydrocarbons in part. The natural gas under a pressure of at least 5 bars is indirectly cooled in a heat exchange zone to temperatures from -30 DEG to 100 DEG C. The condensate is removed from the cooled natural gas and is pressure-relieved and is then passed as a coolant through the heat exchange zone. Scrubbing liquor is cooled in the heat exchange zone to temperatures from -30 DEG to -80 DEG C. and is contacted in a scrubbing zone with the natural gas from which the condensate has been removed. The laden scrubbing liquor which has been withdrawn from the scrubbing zone is passed through the heat exchange zone. The natural gas which has been purified in the scrubbing zone is pressure-relieved and is also passed through the heat exchange zone.

IPC 1-7

C07C 9/04; C10L 3/00; F25J 3/08

IPC 8 full level

C07C 9/04 (2006.01); **C10G 5/06** (2006.01); **C10L 3/00** (2006.01); **F25J 3/02** (2006.01); **F25J 3/08** (2006.01)

CPC (source: EP US)

C10G 5/06 (2013.01 - EP US); **F25J 3/0209** (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 2205/02 (2013.01 - EP US); F25J 2205/04 (2013.01 - EP US); F25J 2205/50 (2013.01 - EP US); F25J 2220/66 (2013.01 - EP US); Y10S 62/921 (2013.01 - EP US); Y10S 62/922 (2013.01 - EP US); Y10S 62/932 (2013.01 - EP US)

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