

Title (en)
PROCESS AND APPARATUS FOR THE PRODUCTION OF TREATED NATURAL GAS AND A FRACTION ENRICHED IN C3+ HYDROCARBONS AND A FRACTION ENRICHED IN ETHANE.

Title (de)
PROZESS UND APPARAT ZUR PRODUKTION VON BEHANDELTEN ERDAGAS SOWIE EINER FRAKTION ANGEREICHERT MIT C3+ KOHLENWASSERSTOFFEN UND EINER FRAKTION ANGEREICHERT MIT ETHAN

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN GAZ NATUREL TRAITÉ, D'UNE COUPE RICHE EN HYDROCARBURES EN C3+, ET ÉVENTUELLEMENT D'UN COURANT RICHE EN ÉTHANE, ET INSTALLATION ASSOCIÉE

Publication
EP 2870226 A1 20150513 (FR)

Application
EP 13734098 A 20130705

Priority
• FR 1256488 A 20120705
• EP 2013064238 W 20130705

Abstract (en)
[origin: WO2014006178A1] The process comprises the following steps: - taking a recycling stream (152) from a top stream (131, 140, 141) resulting from a recovery column (35); - causing heat exchange between the recycling stream (152) and at least one part of the top stream (131) resulting from the recovery column (35), - reintroducing, after expansion, the cooled and expanded recycling stream into the recovery column (35). The process comprises taking at least one bottom reboiling stream (165) from the bottom of the recovery column (35), and causing heat exchange between the bottom reboiling stream and at least a part of the starting natural gas (13) and/or the recycling stream (152), wherein the bottom reboiling is provided by the heat taken from the starting natural gas stream (13) and/or from the recycling stream (152).

IPC 8 full level
C10L 3/10 (2006.01); **F25J 3/02** (2006.01)

CPC (source: EP RU US)
C10L 3/10 (2013.01 - EP RU US); **C10L 3/12** (2013.01 - EP US); **F25J 1/0022** (2013.01 - US); **F25J 3/02** (2013.01 - RU); **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); **C10L 2290/06** (2013.01 - EP US); **C10L 2290/10** (2013.01 - EP US); **C10L 2290/46** (2013.01 - EP US); **C10L 2290/48** (2013.01 - EP US); **C10L 2290/543** (2013.01 - EP US); **F25J 2200/02** (2013.01 - EP US); **F25J 2200/04** (2013.01 - EP); **F25J 2200/72** (2013.01 - EP US); **F25J 2200/76** (2013.01 - EP US); **F25J 2200/78** (2013.01 - EP US); **F25J 2205/04** (2013.01 - EP US); **F25J 2210/06** (2013.01 - EP US); **F25J 2215/62** (2013.01 - EP US); **F25J 2240/02** (2013.01 - EP US); **F25J 2245/02** (2013.01 - EP US); **F25J 2270/04** (2013.01 - EP US); **F25J 2270/06** (2013.01 - EP US); **F25J 2270/88** (2013.01 - EP US)

Citation (search report)
See references of WO 2014006178A1

Cited by
CN111253985A

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