

Title (en)

METHOD FOR PRODUCING METHANE-RICH STREAM AND C₂+ HYDROCARBON-RICH STREAM, AND RELATED FACILITY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES METHANREICHEN STROMS UND C₂+KOHLENWASSERSTOFFREICHEN STROMS UND ZUGEHÖRIGE ANLAGE

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN COURANT RICHE EN MÉTHANE ET D'UN COURANT RICHE EN HYDROCARBURES EN C₂+, ET INSTALLATION ASSOCIÉE

Publication

EP 2452140 A2 20120516 (FR)

Application

EP 10742221 A 20100707

Priority

- FR 2010051437 W 20100707
- FR 0954781 A 20090709

Abstract (en)

[origin: US2011005273A1] This method comprises cooling the supply flow in a first heat exchanger, separation in a first separation flask in order to produce a light upper flow and a heavy lower flow and dividing the light upper flow into a supply fraction of a dynamic pressure reduction turbine and a supply fraction of a first distillation column. The method comprises forming a cooled reflux flow from an effluent from a dynamic pressure reduction turbine, the portion of the effluent being cooled and at least partially liquefied in a heat exchanger. It comprises introducing the cooled reflux flow from the heat exchanger into the first distillation column.

IPC 8 full level

F25J 3/02 (2006.01); **C07C 7/09** (2006.01)

CPC (source: EP US)

F25J 3/0209 (2013.01 - EP US); **F25J 3/0233** (2013.01 - EP US); **F25J 3/0238** (2013.01 - EP US); **F25J 2200/02** (2013.01 - EP US); **F25J 2200/30** (2013.01 - EP US); **F25J 2200/50** (2013.01 - EP US); **F25J 2200/76** (2013.01 - EP US); **F25J 2205/04** (2013.01 - EP US); **F25J 2210/06** (2013.01 - EP US); **F25J 2230/24** (2013.01 - EP US); **F25J 2230/60** (2013.01 - EP US); **F25J 2240/02** (2013.01 - EP US); **F25J 2245/02** (2013.01 - EP US); **F25J 2270/02** (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); **F25J 2290/80** (2013.01 - EP US)

Citation (search report)

See references of WO 2011004123A2

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US 2011005273 A1 20110113; **US 9310128 B2 20160412**; AR 077652 A1 20110914; BR 112012000404 A2 20160405; BR 112012000404 B1 20231031; CA 2767502 A1 20110113; CA 2767502 C 20170912; DK 201070320 A 20110110; EP 2452140 A2 20120516; EP 2452140 B1 20190410; FR 2947897 A1 20110114; FR 2947897 B1 20140509; MX 2012000474 A 20120127; MX 353746 B 20180126; US 2015292798 A1 20151015; US 2016370109 A9 20161222; US 9823015 B2 20171121; WO 2011004123 A2 20110113; WO 2011004123 A3 20140501

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