

Title (en)

METHOD FOR PRODUCING METHANE-RICH STREAM AND C<sub>2</sub>+ HYDROCARBON-RICH STREAM, AND RELATED FACILITY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES METHANREICHEN STROMS UND C<sub>2</sub>+KOHLENWASSERSTOFFREICHEN STROMS UND ZUGEHÖRIGE ANLAGE

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN COURANT RICHE EN MÉTHANE ET D'UN COURANT RICHE EN HYDROCARBURES EN C<sub>2</sub>+, 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

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**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

DOCDB simple family (application)

**US 83136210 A 20100707**; AR P100102474 A 20100708; BR 112012000404 A 20100707; CA 2767502 A 20100707; DK PA201070320 A 20100708; EP 10742221 A 20100707; FR 0954781 A 20090709; FR 2010051437 W 20100707; MX 2012000474 A 20100707; US 201514747417 A 20150623