

Title (en)  
Process for obtaining an ethane-rich fraction for refilling the ethane-containing refrigeration circuit of a liquefaction process for a hydrocarbon-rich fraction

Title (de)  
Verfahren zum Gewinnen einer Ethanreichen Fraktion zum Wiederauffüllen eines Ethan-enthaltenden Kältekreislaufs eines Verfahrens zum Verflüssigen einer kohlenwasserstoffreichen Fraktion

Title (fr)  
Procédé d'obtention d'une fraction riche en éthane pour le remplissage d'un circuit de réfrigération contenant de l'éthane dans un procédé de liquéfaction d'une fraction riche en hydrocarbures

Publication  
**EP 0711966 A3 19970205 (DE)**

Application  
**EP 95117283 A 19951102**

Priority  
DE 4440407 A 19941111

Abstract (en)  
[origin: EP0711966A2] In the generation of an ethane-rich fraction for use as make-up in the cooling circuit in a process for liquefying a hydrocarbon-rich fraction, a side-stream of the already liquefied hydrocarbon fraction is fed to a C1/C2/C3+ fractionating column. An ethane-rich fraction is drawn off from the middle of the fractionating column and mixed with the ethane-bearing cooling medium.

IPC 1-7  
**F25J 1/02**

IPC 8 full level  
**F25J 1/02** (2006.01); **F25J 3/02** (2006.01)

CPC (source: EP US)  
**F25J 1/0022** (2013.01 - EP US); **F25J 1/0212** (2013.01 - EP US); **F25J 1/025** (2013.01 - EP US); **F25J 3/0214** (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 2200/02** (2013.01 - EP US); **F25J 2200/70** (2013.01 - EP); **F25J 2200/94** (2013.01 - EP); **F25J 2210/06** (2013.01 - EP US); **F25J 2215/62** (2013.01 - EP US)

Citation (search report)  
• [A] FR 2128674 A1 19721020 - LINDE AG  
• [A] GB 2073393 A 19811014 - PETROLES CIE FRANCAISE  
• [A] US 4727723 A 19880301 - DURR CHARLES A [US]

Designated contracting state (EPC)  
BE CH DE GB LI NL

DOCDB simple family (publication)  
**DE 4440407 C1 19960404**; AR 000101 A1 19970521; EP 0711966 A2 19960515; EP 0711966 A3 19970205; US 5588306 A 19961231

DOCDB simple family (application)  
**DE 4440407 A 19941111**; AR 33417695 A 19951109; EP 95117283 A 19951102; US 55619195 A 19951109