

Title (en)  
NATURAL GAS LIQUEFACTION

Title (de)  
ERDGASVERFLÜSSIGUNG

Title (fr)  
LIQUEFACTION DE GAZ NATUREL

Publication  
**EP 1740897 A4 20130130 (EN)**

Application  
**EP 04822020 A 20040426**

Priority  
US 2004012792 W 20040426

Abstract (en)  
[origin: WO2005114076A1] A process for liquefying natural gas in conjunction with producing a liquid stream containing predominantly hydrocarbons heavier than methane is disclosed. In the process, the natural gas stream to be liquefied is partially cooled, expanded to an intermediate pressure, and supplied to a distillation column. The bottom product from this distillation column preferentially contains the majority of any hydrocarbons heavier than methane that would otherwise reduce the purity of the liquefied natural gas. The residual gas stream from the distillation column is compressed to a higher intermediate pressure, cooled under pressure to condense it, and then expanded to low pressure to form the liquefied natural gas stream.

IPC 8 full level  
**F25J 1/00** (2006.01); **F25J 1/02** (2006.01); **F25J 3/00** (2006.01); **F25J 3/02** (2006.01)

CPC (source: EP KR)  
**F25J 1/0022** (2013.01 - EP); **F25J 1/0035** (2013.01 - EP); **F25J 1/0042** (2013.01 - EP); **F25J 1/0045** (2013.01 - EP); **F25J 1/0052** (2013.01 - EP); **F25J 1/0057** (2013.01 - EP); **F25J 1/02** (2013.01 - KR); **F25J 1/0205** (2013.01 - EP); **F25J 1/0214** (2013.01 - EP); **F25J 1/0216** (2013.01 - EP); **F25J 3/0209** (2013.01 - EP); **F25J 3/0233** (2013.01 - EP); **F25J 3/0238** (2013.01 - EP); **F25J 2200/02** (2013.01 - EP); **F25J 2200/74** (2013.01 - EP); **F25J 2200/80** (2013.01 - EP); **F25J 2205/04** (2013.01 - EP); **F25J 2230/08** (2013.01 - EP); **F25J 2230/60** (2013.01 - EP); **F25J 2240/02** (2013.01 - EP); **F25J 2240/30** (2013.01 - EP); **F25J 2270/02** (2013.01 - EP); **F25J 2270/12** (2013.01 - EP); **F25J 2270/60** (2013.01 - EP); **F25J 2270/66** (2013.01 - EP)

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Designated contracting state (EPC)  
DE ES FR GB NL

DOCDB simple family (publication)  
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