

Title (en)

METHOD FOR COMPRESSING A NATURAL GAS FLOW

Title (de)

VERFAHREN ZUM VERDICHTEN EINES ERDGASSTROMES

Title (fr)

PROCEDE DE COMPRESSION D'UN FLUX DE GAZ NATUREL

Publication

**EP 1794521 A1 20070613 (DE)**

Application

**EP 05786059 A 20050909**

Priority

- EP 2005009703 W 20050909
- DE 102004046341 A 20040924

Abstract (en)

[origin: WO2006034776A1] The invention relates to a method for compressing a natural gas flow. According to the invention, the natural gas flow (1) for compression is liquefied and then compressed by means of at least one cryogenic pump (C). A liquefaction of the natural gas flow (1) thus occurs, preferably using the energy from a cryogenic process, in particular, in heat exchange (X, Y, Z) with at least one medium (7,9, ..) for heating, preferably a cryogenic medium.

IPC 8 full level

**F25J 1/02** (2006.01); **F17C 9/04** (2006.01)

CPC (source: EP KR US)

**F25J 1/0022** (2013.01 - EP US); **F25J 1/0045** (2013.01 - EP US); **F25J 1/02** (2013.01 - KR); **F25J 1/0221** (2013.01 - EP US); **F25J 2210/42** (2013.01 - EP US); **F25J 2230/20** (2013.01 - EP US); **F25J 2235/60** (2013.01 - EP US); **F25J 2240/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2006034776A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102004046341 A1 20060330**; AU 2005289171 A1 20060406; CA 2581281 A1 20060406; CN 101065629 A 20071031; EP 1794521 A1 20070613; JP 2008514740 A 20080508; KR 20070054646 A 20070529; US 2009199590 A1 20090813; WO 2006034776 A1 20060406; ZA 200702360 B 20080730

DOCDB simple family (application)

**DE 102004046341 A 20040924**; AU 2005289171 A 20050909; CA 2581281 A 20050909; CN 200580032094 A 20050909; EP 05786059 A 20050909; EP 2005009703 W 20050909; JP 2007532797 A 20050909; KR 20077004890 A 20070228; US 57595805 A 20050909; ZA 200702360 A 20070322