

Title (en)

PROCESS AND DEVICE FOR REGASIFYING LOW-TEMPERATURE LIQUEFIED GAS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM REGASIFIZIEREN VON TIEFKALT VERFLÜSSIGTEM GAS

Title (fr)

PROCÉDÉ DE REGAZÉIFICATION DE GAZ CRYOGÉNIQUE

Publication

EP 2906350 A2 20150819 (DE)

Application

EP 13774779 A 20130805

Priority

- AT 2432012 U 20120605
- IB 2013001711 W 20130805

Abstract (en)

[origin: WO2013182907A2] In a process for regasifying low-temperature liquefied gas in which some of the low-temperature liquefied gas situated in a tank (1) is brought from the tank (1) into a metering reservoir (2), the metering reservoir (2) is separated from the tank (1), and a metered amount of the low-temperature liquefied gas is then fed to an evaporator (20), whereupon the vaporized amount of gas is charged into a high-pressure gas reservoir (24) or is fed into a pipe network, whereupon the evaporator (20) is separated from the metering reservoir (2), the pressure in the metering reservoir (2) is lowered and the metering reservoir (2) is again charged with liquefied gas from the tank (1), the pressure in the metering reservoir (2) is lowered in that the gas situated in the metering reservoir (2) is conducted through a heat exchanger (14) in which the gas is cooled and/or partially condensed, wherein the condensate possibly formed in the heat exchanger and the cooled gas at the remaining gas pressure are guided into the tank (1), and the cooled gas is condensed in the part of the tank (1) containing the liquefied gas.

IPC 8 full level

B03C 1/00 (2006.01)

CPC (source: EP)

B03C 1/00 (2013.01); **F17C 5/06** (2013.01); **F17C 9/02** (2013.01); **F17C 2201/0104** (2013.01); **F17C 2201/0166** (2013.01); **F17C 2201/0171** (2013.01); **F17C 2201/032** (2013.01); **F17C 2201/052** (2013.01); **F17C 2201/054** (2013.01); **F17C 2205/0326** (2013.01); **F17C 2205/0344** (2013.01); **F17C 2205/0367** (2013.01); **F17C 2221/033** (2013.01); **F17C 2223/0161** (2013.01); **F17C 2223/0169** (2013.01); **F17C 2223/033** (2013.01); **F17C 2223/041** (2013.01); **F17C 2223/047** (2013.01); **F17C 2225/0123** (2013.01); **F17C 2225/036** (2013.01); **F17C 2227/0107** (2013.01); **F17C 2227/0121** (2013.01); **F17C 2227/0306** (2013.01); **F17C 2227/0311** (2013.01); **F17C 2227/0339** (2013.01); **F17C 2227/0374** (2013.01); **F17C 2227/0393** (2013.01); **F17C 2227/047** (2013.01); **F17C 2250/043** (2013.01); **F17C 2260/031** (2013.01); **F17C 2265/05** (2013.01); **F17C 2270/0136** (2013.01)

Citation (search report)

See references of WO 2013182907A2

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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013182907 A2 20131212; WO 2013182907 A3 20141211; EP 2906350 A2 20150819

DOCDB simple family (application)

IB 2013001711 W 20130805; EP 13774779 A 20130805