

Title (en)

SYSTEM AND METHOD FOR COOLING A BOG STREAM

Title (de)

SYSTEM UND VERFAHREN ZUM KÜHLEN EINES BOIL-OFF-GASSTROMS

Title (fr)

SYSTEME ET PROCEDE POUR REFROIDIR UN COURANT DE VAPORISAT

Publication

EP 1861670 A4 20180124 (EN)

Application

EP 06716763 A 20060308

Priority

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Abstract (en)

[origin: WO2006098630A1] A system for cooling a boil-off gas (BOG) stream prior to compression in a boil-off reliquefaction plant, comprising a line (10) for feeding BOG into a compressor (11; 11") prior to heat exchange with a closed-loop refrigeration system. The refrigeration system comprising compressors (2, 3, 4) and expanders(8, 9) and a number of heat ex-changers for heat exchange with the BOG stream. The expanders (8, 9) are arranged in series. A precooler in the feed line (10) is fluidly connected (32, 33) to the closed-loop refrigeration system, whereby said BOG is pre-cooled in heat exchange with a portion of the coolant in the closed-loop refrigeration system prior to said compression.

IPC 8 full level

F25J 1/02 (2006.01)

IPC 8 main group level

F25B (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [A] GB 831613 A 19600330 - SULZER AG
- [A] EP 0358100 A2 19900314 - AIR PROD & CHEM [US]
- [A] NL 7315311 A 19740620
- See references of WO 2006098630A1

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