

Title (en)
 DEVICE AND METHOD FOR PROCESSING BOIL-OFF GAS IN LIQUEFIED GAS REGASIFICATION SYSTEM

Title (de)
 VORRICHTUNG UND VERFAHREN ZUR VERARBEITUNG VON BOIL-OFF-GAS IN EINEM SYSTEM ZUR ERNEUTEN FLÜSSIGGASVERGASUNG

Title (fr)
 DISPOSITIF ET PROCÉDÉ POUR TRAITER UN GAZ D'ÉVAPORATION DANS UN SYSTÈME DE REGAZÉIFICATION DE GAZ LIQUÉFIÉ

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Application
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Priority

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Abstract (en)
 [origin: EP3733499A1] The present invention relates to a device and a method for processing boil-off gas in a liquefied gas regasification system and, more particularly, to a device and a method for processing boil-off gas in a liquefied gas regasification system, wherein, even if there is no or little amount of regasified gas to be sent in a liquefied gas regasification system, boil-off gas can be reliquefied and recollected. A device for processing boil-off gas in a liquefied gas regasification system according to the present invention is a boil-off gas processing device for processing boil-off gas generated in a liquefied gas regasification system, the boil-off gas processing device comprising: a fuel compressor for compressing boil-off gas at a pressured required by a fuel consumer; a high-pressure compressor installed at the rear end of the fuel compressor in series with the fuel compressor so as to compress the low-pressure boil-off gas, which has been compressed by the fuel compressor, at a pressure required by a regasified gas consumer; a low-temperature heat exchanger for cooling the high-pressure boil-off gas compressed by the high-pressure compressor; a pressure-reducing device for reducing the pressure of the high-pressure boil-off gas, which has been cooled by the low-temperature heat exchanger, to the inner pressure of a liquefied gas storage tank for storing the liquefied gas; and a liquefied gas drum for separating flash gas generated by the pressure-reducing device in the pressure-reducing process, wherein liquid-state reliquefied boil-off gas separated from the liquefied gas drum is recollected into the liquefied gas storage tank.

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Citation (search report)

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