

Title (en)

METHOD OF COOLING BOIL OFF GAS AND AN APPARATUS THEREFOR

Title (de)

VERFAHREN ZUR KÜHLUNG VON BOIL-OFF-GAS UND VORRICHTUNG DAFÜR

Title (fr)

PROCÉDÉ DE REFOUILLISSEMENT DE GAZ D'ÉVAPORATION, ET APPAREIL POUR CE DERNIER

Publication

EP 3183489 B1 20191204 (EN)

Application

EP 15756225 A 20150821

Priority

- GB 201414893 A 20140821
- GB 2015052429 W 20150821

Abstract (en)

[origin: WO2016027098A1] A method of cooling a boil off gas stream from a liquefied ethane cargo in a floating transportation vessel, said method comprising at least the steps of: compressing a boil off gas stream from said liquefied ethane cargo in two or more stages of compression comprising at least a first stage and a final stage to provide a compressed BOG discharge stream, wherein said first stage of compression has a first stage discharge pressure and said final stage of compression has a final stage suction pressure and one or more intermediate, optionally cooled, compressed BOG streams are provided between consecutive stages of compression; cooling the compressed BOG discharge stream against one or more first coolant streams to provide a first cooled compressed BOG stream; cooling the first cooled compressed BOG stream against at least one second coolant stream to provide a second cooled compressed BOG stream; cooling the second cooled compressed BOG stream against a third coolant stream to provide a third cooled compressed BOG stream; expanding a portion of the third cooled compressed BOG stream to a pressure between that of the first stage discharge pressure and the final stage suction pressure to provide a first expanded cooled BOG stream; using the first expanded cooled BOG stream as the third coolant stream to provide a first expanded heated BOG stream; and using the first expanded heated BOG stream as the or a second coolant stream.

IPC 8 full level

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