Title (en)
SYSTEM AND METHOD FOR PREVENTING LIQUID CARGO IN SHIP FROM EVAPORATING

Title (de)
SYSTEM UND VERFAHREN ZUM VERHINDERN DES VERDAMPFENS EINER FLÜSSIGLADUNG IN EINEM SCHIFF

Title (fr)
SYSTÈME ET PROCÉDÉ POUR EMPÊCHER L'ÉVAPORATION D'UNE CARGAISON LIQUIDE DANS UN NAVIRE

Publication
EP 3042844 B1 20190206 (EN)

Application
EP 14841703 A 20140905

Priority
- KR 20130107139 A 20130906
- KR 2014008428 W 20140905

Abstract (en)
[origin: EP3042844A1] Disclosed are a system and a method for preventing liquid cargo in a ship from evaporating, which can prevent or reduce generation of evaporated gas when liquid cargo such as LNG, LPG, crude oil, etc., is loaded in a storage tank in a ship, by adjusting the pressure inside a load pipe when the liquid cargo is loaded. The system for preventing liquid cargo in a ship from evaporating, which prevents evaporated gas of the liquid cargo from being generated when the liquid cargo is loaded in the storage tank capable of storing liquid cargo, comprises: a pressure control means installed in a pipe for loading the liquid cargo in the storage tank; a pressure transmitter which is installed on the upper stream side in the pipe above the pressure control means, measures the inner pressure of the pipe, controls an opening degree of the pressure control means on the basis of the measured value; and a bypass pipe which branches off from the pipe such that the liquid cargo is loaded in the storage tank by bypassing the pressure control means.

IPC 8 full level
B63B 25/16 (2006.01); **B63B 27/24** (2006.01); **F17C 6/00** (2006.01)

CPC (source: EP KR)
B63B 25/08 (2013.01 - KR); **B63B 25/16** (2013.01 - EP); **B63B 27/24** (2013.01 - EP KR); **B63B 27/34** (2013.01 - KR); **B65D 90/48** (2013.01 - KR); **F17C 3/025** (2013.01 - KR); **F17C 6/00** (2013.01 - KR); **F17C 13/04** (2013.01 - KR); F17C 2205/0326 (2013.01 - EP); F17C 2205/0391 (2013.01 - EP); F17C 2221/032 (2013.01 - KR); F17C 2221/033 (2013.01 - EP); F17C 2221/035 (2013.01 - EP); F17C 2223/0153 (2013.01 - EP KR); F17C 2223/0161 (2013.01 - EP); F17C 2223/033 (2013.01 - EP); F17C 2225/0153 (2013.01 - EP KR); F17C 2225/0161 (2013.01 - EP); F17C 2225/033 (2013.01 - EP); F17C 2225/047 (2013.01 - EP); F17C 2250/043 (2013.01 - EP); F17C 2250/0491 (2013.01 - EP); F17C 2250/0636 (2013.01 - EP); F17C 2260/056 (2013.01 - EP); F17C 2265/032 (2013.01 - KR); F17C 2265/061 (2013.01 - EP); F17C 2270/0105 (2013.01 - EP KR)

Cited by
EP4194329A4

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

DOCDB simple family (publication)
EP 3042844 A1 20160713; **EP 3042844 A4 20170426**; **EP 3042844 B1 20190206**; CN 105705414 A 20160622; ES 2715670 T3 20190605; JP 2016536209 A 20161124; JP 6244030 B2 20171206; KR 101408347 B1 20140617; SG 11201601704S A 20160428; WO 2015034331 A1 20150312

DOCDB simple family (application)
EP 14841703 A 20140905; CN 201480060485 A 20140905; ES 14841703 T 20140905; JP 2016540820 A 20140905; KR 20130107139 A 20130906; KR 2014008428 W 20140905; SG 11201601704S A 20140905