

Title (en)

Method for evacuating liquid from a tank of a stricken ship

Title (de)

Verfahren zum Ablassen einer Flüssigkeit aus dem Kessel eines verunglückten Schiffes

Title (fr)

Procédé d'évacuation du liquide d'une cuve d'un navire sinistré

Publication

EP 2522568 A1 20121114 (FR)

Application

EP 12163129 A 20120404

Priority

FR 1154183 A 20110513

Abstract (en)

The method involves opening a technical access (3) of a tank (1), and introducing a rigid pipe (13) inside the tank via the technical access. A pump is placed inside the rigid pipe, where the pump is selected from a group comprising a pressure pump (15) arranged in a lower part of the pipe and a suction pump arranged in an upper part of the pipe. The pump is in sealing relationship with the rigid pipe. The pump is free from a discharge/suction hose, so that liquid (22) is discharged/sucked across the pipe. An independent claim is also included for a technical access for implementing a method for evacuating liquid from a tank of a partially emerged ship.

Abstract (fr)

Ce procédé d'évacuation du liquide d'une cuve d'un navire partiellement émergé comportant au moins un accès technique (3), comprend les étapes consistant à : - ouvrir cet accès technique, - introduire une conduite rigide (13) à l'intérieur de la cuve (1) par cet accès technique (3), - placer à l'intérieur de cette conduite rigide (13) une pompe refoulante ou aspirante (15), pouvant être dépourvue de flexible de refoulement.

IPC 8 full level

B63C 7/16 (2006.01); **B63B 27/24** (2006.01)

CPC (source: EP KR US)

B63B 17/0036 (2013.01 - US); **B63B 19/14** (2013.01 - EP US); **B63B 27/24** (2013.01 - EP KR US); **B63B 57/00** (2013.01 - US); **B63C 7/006** (2013.01 - EP US); **B63C 7/16** (2013.01 - KR); **Y10T 137/048** (2015.04 - EP US); **Y10T 137/9138** (2015.04 - EP US)

Citation (search report)

- [XAY] FR 2515747 A1 19830506 - RUTSCHI AG PUMPENBAU K [CH]
- [XAY] US 4435132 A 19840306 - HAESLOOP WILLIAM G [US], et al
- [YA] FR 2849640 A1 20040709 - DABI JEAN LUC [FR]
- [Y] FR 2878225 A1 20060526 - JLMD ECOLOGIC GROUP SA [FR]
- [A] FR 2398683 A1 19790223 - EXPERTISES CIE MARITIME [FR]
- [XA] US 3865270 A 19750211 - PETERSSON BENGT OLOV
- [XA] US 4608171 A 19860826 - LAVALLEY RICHARD W [US]
- [XA] US 2791357 A 19570507 - NELSON HARRY W
- [XA] US 5647516 A 19970715 - YOUNG WILLIAM C [US], et al
- [XA] GB 2186916 A 19870826 - OREAL
- [A] GB 633619 A 19491219 - HANS ORELL
- [A] DE 4213184 A1 19931028 - JOHANN KUPP MOTORENBAU [DE]
- [A] US 2010183455 A1 20100722 - LIBERG LARS-OLOF [SE]
- [A] GB 2385893 A 20030903 - IRELAND ROBERT SIDNEY [GB]
- [A] WO 0169033 A2 20010920 - LARSEN BENT [FI], et al

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)

EP 2522568 A1 20121114; BR 112013027783 A2 20171107; CN 103596838 A 20140219; CN 103596838 B 20170707; FR 2975072 A1 20121116; FR 2975072 B1 20140808; JP 2014516856 A 20140717; KR 101826656 B1 20180207; KR 20140021639 A 20140220; RU 2013154747 A 20150620; RU 2596203 C2 20160827; US 2014311584 A1 20141023; US 9446819 B2 20160920; WO 2012156601 A1 20121122

DOCDB simple family (application)

EP 12163129 A 20120404; BR 112013027783 A 20120404; CN 201280023759 A 20120404; FR 1154183 A 20110513; FR 2012050728 W 20120404; JP 2014509785 A 20120404; KR 20137028875 A 20120404; RU 2013154747 A 20120404; US 201214117559 A 20120404