

Title (en)

SUPPORT STRUCTURE FOR CARGO TANK, FLOATING STRUCTURE, AND SUPPORT METHOD FOR CARGO TANK

Title (de)

TRÄGERSTRUKTUR FÜR LADETANKS, SCHWIMMSTRUKTUR UND STÜTZVERFAHREN FÜR LADETANKS

Title (fr)

STRUCTURE DE SUPPORT POUR UNE CITERNE DE CHARGE, STRUCTURE FLOTTANTE ET PROCÉDÉ DE SUPPORT POUR UNE CITERNE DE CHARGE

Publication

**EP 2610161 A4 20150121 (EN)**

Application

**EP 11819942 A 20110824**

Priority

- JP 2010187181 A 20100824
- JP 2011069008 W 20110824

Abstract (en)

[origin: EP2610161A1] A cargo tank support structure according to the present invention comprises a plurality of first support portions 3 provided at a bottom 2a of a cargo tank 2 in a distributed manner, a second support portion 4 provided at the bottom 2a of the cargo tank 2 to continuously extend in a longitudinal direction X of the floating structure 1, and an engagement portion 5 provided at a floor 11a of a hold 11 along the length of the second support portion to engage with the second support portion 4, wherein a vertical load Fz applied by the cargo tank 2 is borne by at least the first support portions 3 and a horizontal load (first horizontal load Fy) applied by the cargo tank 2 is borne by at least the second support portion 4 and the engagement portion 5.

IPC 8 full level

**B63B 25/16** (2006.01); **B63B 25/08** (2006.01); **F17C 13/08** (2006.01)

CPC (source: EP KR)

**B63B 25/08** (2013.01 - EP); **B63B 25/16** (2013.01 - KR); **F17C 13/08** (2013.01 - EP KR); **B63B 25/16** (2013.01 - EP); **B63B 2025/087** (2013.01 - EP); **F17C 2203/011** (2013.01 - EP); **F17C 2205/018** (2013.01 - EP); **F17C 2205/0192** (2013.01 - EP); **F17C 2221/033** (2013.01 - EP); **F17C 2221/035** (2013.01 - EP); **F17C 2223/0153** (2013.01 - EP); **F17C 2260/013** (2013.01 - EP); **F17C 2270/0105** (2013.01 - EP)

Citation (search report)

- [X] GB 1328758 A 19730905 - HITACHI SHIPBUILDING ENG CO
- [X] FR 1317043 A 19630201 - WM CORY & SON
- See references of WO 2012026479A1

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 2610161 A1 20130703**; **EP 2610161 A4 20150121**; **EP 2610161 B1 20191009**; CN 103228529 A 20130731; CN 103228529 B 20180406; ES 2763430 T3 20200528; JP 2012045980 A 20120308; JP 5646913 B2 20141224; KR 101440366 B1 20140915; KR 20130079513 A 20130710; PL 2610161 T3 20200518; WO 2012026479 A1 20120301

DOCDB simple family (application)

**EP 11819942 A 20110824**; CN 201180051240 A 20110824; ES 11819942 T 20110824; JP 2010187181 A 20100824; JP 2011069008 W 20110824; KR 20137007567 A 20110824; PL 11819942 T 20110824