

Title (en)

ARRANGEMENT FOR SUPPORTING CONTAINERS TO BE TRANSPORTED ON THE DECK OF A CARGO SHIP

Title (de)

ANORDNUNG ZUM TRAGEN VON AN BORD EINES FRACHTSCHIFFES ZU TRANSPORTIERENDEN BEHÄLTERN

Title (fr)

AGENCEMENT POUR SUPPORTER DES CONTENEURS QUI DOIVENT ÊTRE TRANSPORTÉS SUR LE PONT D'UN NAVIRE DE CHARGE

Publication

EP 3030481 A4 20170322 (EN)

Application

EP 13891178 A 20130816

Priority

- FI 20135823 A 20130808
- FI 2013050806 W 20130816

Abstract (en)

[origin: WO2015018968A1] Arrangement for supporting containers (5) to be transported on the deck of a cargo ship, which arrangement comprises hatch covers (4) to be placed on top of the cargo compartments (3) of the cargo ship, on top of which hatch covers containers (5) are transported, and which arrangement also comprises lashing bridges (1) that are transverse to the cargo ship, which are fixed to the transverse members (2) between the cargo compartments (3), and on which lashing bridges (1) the containers (5) are supported with lashing bars (6), and which hatch covers (4) are disposed between the lashing bridges (1) in such a way that they can be lifted off and lowered back into their positions. The invention is implemented in such a way that the ratio of the greatest width (L) of the support structures of a lashing bridge (1) disposed on a transverse member (2) to the width (B) of the transverse member is at least 0.8 at one or more points of the lashing bridge.

IPC 8 full level

B63B 25/24 (2006.01); **B63B 19/14** (2006.01); **B63B 25/28** (2006.01)

CPC (source: EP FI KR)

B63B 19/14 (2013.01 - EP); **B63B 25/24** (2013.01 - FI KR); **B63B 25/28** (2013.01 - EP KR); **B63B 2025/285** (2013.01 - EP)

Citation (search report)

- [X1] WO 9625324 A1 19960822 - MACGREGOR FIN OY HATCH COVER D [FI], et al
- [X1] DE 3011542 A1 19811008 - SPETHMANN KLAAS DR ING
- [IA] JP 2002173081 A 20020618 - MITSUBISHI HEAVY IND LTD
- [A] DE 4344171 A1 19950629 - THYSSEN NORDSEEWERKE GMBH [DE]
- See references of WO 2015018968A1

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)

WO 2015018968 A1 20150212; CN 105873819 A 20160817; CN 105873819 B 20181130; DK 3030481 T3 20190423; EP 3030481 A1 20160615; EP 3030481 A4 20170322; EP 3030481 B1 20190109; FI 124778 B 20150130; FI 20135823 A 20150130; JP 2016527144 A 20160908; JP 6424378 B2 20181121; KR 102130177 B1 20200706; KR 20150018323 A 20150223; SG 11201600453P A 20160226; TW 201515932 A 20150501; TW I688518 B 20200321

DOCDB simple family (application)

FI 2013050806 W 20130816; CN 201380078853 A 20130816; DK 13891178 T 20130816; EP 13891178 A 20130816; FI 20135823 A 20130808; JP 2016532707 A 20130816; KR 20130099071 A 20130821; SG 11201600453P A 20130816; TW 103124267 A 20140715