

Title (en)

METHOD AND ARRANGEMENT FOR TRANSPORTING CARGO IN CARGO VESSEL

Title (de)

VERFAHREN UND ANORDNUNG ZUM TRANSPORT EINER FRACHT IN EINEM FRACHTSCHIFF

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR TRANSPORTER UNE CARGAISON DANS UN CARGO

Publication

**EP 2686234 B1 20170726 (EN)**

Application

**EP 12758161 A 20120314**

Priority

- FI 20115261 A 20110316
- FI 2012050239 W 20120314

Abstract (en)

[origin: WO2012123637A1] The invention relates to an arrangement for loading reels (5), such as metal reels, into a cargo vessel and shipping them in the cargo vessel, the arrangement comprising reel troughs that are designed to keep the reels (5) to be positioned therein in place at least in the horizontal and down- ward directions, and the reel troughs being arranged on an elongated cradle frame structure (4b) that is at the bottom (12) of the cargo hold and transverse to the longitudinal direction of the vessel. So as to provide for efficient utilization of the cargo hold when transporting reels together with other cargo, such as containers, the arrangement comprises a second elongated cradle frame structure (4b), which comprises reel troughs designed to keep the reels (5) to be positioned therein in place at least in the horizontal and downward directions, the cradle frame structure being positioned transverse to the longitudinal direction of the vessel above the cradle frame structure at the bottom (12) of the cargo hold in such a manner that its bottom level is at most at a distance of 2 m from the top level of the cradle frame structure (4b) at the bottom (12) of the cargo hold.

IPC 8 full level

**B63B 25/24** (2006.01); **B63B 25/00** (2006.01); **B63B 25/18** (2006.01); **B65D 85/66** (2006.01)

CPC (source: EP FI KR)

**B63B 25/00** (2013.01 - KR); **B63B 25/002** (2013.01 - EP FI KR); **B63B 25/18** (2013.01 - EP FI KR); **B63B 25/24** (2013.01 - EP FI KR)

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 2012123637 A1 20120920**; CN 103459248 A 20131218; CN 103459248 B 20161019; EP 2686234 A1 20140122; EP 2686234 A4 20150819; EP 2686234 B1 20170726; FI 123124 B 20121115; FI 20115261 A0 20110316; FI 20115261 A 20120917; KR 101749912 B1 20170622; KR 20140019384 A 20140214; PL 2686234 T3 20180131

DOCDB simple family (application)

**FI 2012050239 W 20120314**; CN 201280013631 A 20120314; EP 12758161 A 20120314; FI 20115261 A 20110316; KR 20137027315 A 20120314; PL 12758161 T 20120314