

Title (en)
METHOD AND COUPLING MEANS FOR LOCKING TOGETHER INTERMODAL CONTAINERS BEING TRANSPORTED ON A SHIP

Title (de)
VERFAHREN UND KOPPLUNGSMITTEL ZUM ZUSAMMENSTECKEN VON INTERMODALEN, AUF EINEM SCHIFF TRANSPORTIERTEN CONTAINERN

Title (fr)
PROCÉDÉ ET MOYENS DE COUPLAGE SERVANT À VERROUILLER ENSEMBLE DES CONTENEURS INTERMODAUX TRANSPORTÉS SUR UN NAVIRE

Publication
EP 3700834 A4 20210623 (EN)

Application
EP 18871657 A 20181022

Priority

- FI 20175943 A 20171025
- FI 2018050771 W 20181022

Abstract (en)
[origin: WO2019081810A1] Method for locking together intermodal containers being transported on a ship, by means of the corner castings (1, 2) on the containers, whereby intermodal containers that are one above another are locked to each other by means of twistlocks (3) to be fastened into the corner castings. The method according to the invention is implemented in such a way that the corner castings (1, 2) of intermodal containers that are one above another and/or one beside another are coupled to each other also with one or more separate coupling means (7). The object of the invention is also a coupling means (7).

IPC 8 full level
B65D 90/00 (2006.01); **B60P 7/13** (2006.01); **B63B 25/28** (2006.01)

CPC (source: EP FI KR)
B63B 25/24 (2013.01 - FI KR); **B63B 25/28** (2013.01 - EP); **B65D 88/00** (2013.01 - FI); **B65D 88/121** (2013.01 - KR); **B65D 90/00** (2013.01 - EP); **B65D 90/0006** (2013.01 - EP); **B65D 90/0013** (2013.01 - FI KR); **B65D 90/12** (2013.01 - FI KR); **B63B 2025/285** (2013.01 - EP KR); **B65D 90/0013** (2013.01 - EP)

Citation (search report)

- [A] FR 2971239 A1 20120810 - CONESA MARC [FR]
- [A] DE 1988580 U 19680627 - BLOHM VOSS AG [DE]
- [A] US 2011180558 A1 20110728 - LANIGAN SR JOHN J [US], et al
- [A] GB 2439864 A 20080109 - BIG STEPS LTD [GB]
- See also references of WO 2019081810A1

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 2019081810 A1 20190502; CN 111247074 A 20200605; CN 111247074 B 20211214; DK 3700834 T3 20231009; EP 3700834 A1 20200902; EP 3700834 A4 20210623; EP 3700834 B1 20230719; FI 128076 B 20190913; FI 20175943 A1 20190426; JP 2021500272 A 20210107; JP 7381456 B2 20231115; KR 102672187 B1 20240605; KR 20200074980 A 20200625; SG 11202002534T A 20200429

DOCDB simple family (application)
FI 2018050771 W 20181022; CN 201880068210 A 20181022; DK 18871657 T 20181022; EP 18871657 A 20181022; FI 20175943 A 20171025; JP 2020521343 A 20181022; KR 20207014787 A 20181022; SG 11202002534T A 20181022