

Title (en)  
COUPLING MEANS

Title (de)  
KOPPLUNGSMITTEL

Title (fr)  
MOYEN DE COUPLAGE

Publication  
**EP 2945852 A4 20161005 (EN)**

Application  
**EP 13872225 A 20130118**

Priority  
FI 2013050057 W 20130118

Abstract (en)  
[origin: WO2014111619A1] Coupling means to be used for lashing and supporting containers, more particularly containers to be transported on cargo ships, which coupling means comprises a lashing bar (2) and a locking head (1) connected to it, which locking head comprises a locking means for locking into the corner casting (7) of a container, and between which locking head (1) and lashing bar (2) is a joint arrangement, which enables movement of the lashing bar in relation to the locking head towards the corner casting and away from the corner casting. The invention is implemented such that when the locking head (1) is locked into the corner casting (7) of a container at least a part of the joint arrangement is above the horizontal plane (L) traveling via the centre of curvature of the bottom edge of the locking hole of the corner casting.

IPC 8 full level  
**B60P 7/13** (2006.01); **B63B 25/22** (2006.01); **B63B 25/28** (2006.01); **B65D 90/00** (2006.01)

CPC (source: EP)  
**B63B 25/28** (2013.01); **B65D 90/0006** (2013.01); **B63B 2025/285** (2013.01)

Citation (search report)  
• [X1] JP S62181494 U 19871118  
• See references of WO 2014111619A1

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 2014111619 A1 20140724**; CN 104220329 A 20141217; CN 104220329 B 20170721; DE 112013000001 T5 20141211;  
DE 13872225 T1 20160310; DK 179088 B1 20171016; DK 201500419 A1 20150727; EP 2945852 A1 20151125; EP 2945852 A4 20161005;  
EP 2945852 B1 20180523; JP 2016508929 A 20160324; JP 6095185 B2 20170322; KR 101983431 B1 20190528; KR 20150110469 A 20151002;  
TW 201502005 A 20150116; TW I605977 B 20171121

DOCDB simple family (application)  
**FI 2013050057 W 20130118**; CN 201380000305 A 20130118; DE 112013000001 T 20130118; DE 13872225 T 20130118;  
DK PA201500419 A 20150717; EP 13872225 A 20130118; JP 2015553141 A 20130118; KR 20157013521 A 20130118;  
TW 103101433 A 20140115