

Title (en)  
CONTAINER CONNECTION DEVICE

Title (de)  
BEHÄLTERVERBINDUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE CONNEXION DE CONTENEURS

Publication  
**EP 1810938 A4 20090805 (EN)**

Application  
**EP 05805872 A 20051108**

Priority  

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- JP 2004325298 A 20041109
- JP 2004336954 A 20041122
- JP 2005231537 A 20050810

Abstract (en)  
[origin: EP1810938A1] The present invention provides an automatic twist type coupling device for containers, not easily detached during a transportation and, in addition, capable of being engaged and disengaged easily by reducing the amount of rolling of the containers. This coupling device for containers comprises a coupling seat 1 disposed between corner fittings C of containers stacked one upon another, an upper pedestal 2 and a lower pedestal 3, provided in protrusion from the coupling seat 1, for positioning and fitting the coupling device for containers in a slot C1 of the upper and lower corner fittings C, and an upper cone 4 and a lower cone 5, provided in protrusion from the upper pedestal 2 and the lower pedestal 3, for coupling containers by being engaged in the slots C 1 of the corner fittings C, while said lower cone 5 comprises a neck 7 hanging from the lower pedestal 3 by being displaced to one side in the direction of breadth of the slot C1, a fixed projection 8 protruding in the direction opposite to the direction of displacement from the tip of the neck 7, and a mobile projection 9 protruding by being urged in the direction of displacement from the neck 7 on the base end side with reference to the fixed projection 8, and retreating by rocking upward.

IPC 8 full level  
**B65D 90/00** (2006.01); **B63B 25/00** (2006.01)

CPC (source: EP KR)  
**B61D 5/08** (2013.01 - KR); **B63B 25/004** (2013.01 - EP); **B63B 25/24** (2013.01 - KR); **B65D 90/0013** (2013.01 - EP); **B65D 90/12** (2013.01 - KR)

Citation (search report)  

- [X] WO 9615053 A1 19960523 - ALL SET MARINE LASHING AB [SE], et al
- [X] DE 19905909 A1 20000817 - MARINE EQUIP & CONSULT [DE]
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- [A] WO 2004020316 A1 20040311 - SEC SHIP S EQUIPMENT CT BREMEN [DE], et al
- See references of WO 2006051781A1

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AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1810938 A1 20070725; EP 1810938 A4 20090805; EP 1810938 B1 20101215**; AT E491659 T1 20110115; DE 602005025387 D1 20110127; DK 1810938 T3 20110307; JP 4629052 B2 20110209; JP WO2006051781 A1 20080529; KR 101189629 B1 20121010; KR 20070095877 A 20071001; WO 2006051781 A1 20060518

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