

Title (en)
COUPLING ELEMENT FOR COUPLING TO ONE ANOTHER TWO CONTAINERS WHICH ARE STACKED ONE ON TOP OF THE OTHER, IN PARTICULAR ON BOARD SHIPS

Title (de)
KUPPELSTÜCK ZUM KUPPELN ZWEIER ÜBEREINANDER GESTAPELTER CONTAINER MITEINANDER, INSBESONDERE AN BORD VON SCHIFFEN

Title (fr)
RACCORD PERMETTANT L'ACCOUPLEMENT DE DEUX CONTENEURS EMPILÉS, EN PARTICULIER À BORD DE NAVIRES

Publication
EP 2892828 B1 20170118 (DE)

Application
EP 13783242 A 20130903

Priority
• DE 202012103348 U 20120903
• DE 2013100315 W 20130903

Abstract (en)
[origin: WO2014032659A1] The invention relates to a coupling element for coupling to one another two containers which are stacked one on top of the other, in particular on board ships, having an upper coupling protrusion (10), which engages in a lower corner fitting of the upper container, and having a lower coupling protrusion (11), which engages in an upper corner fitting of the lower container and has a lateral coupling lug (22), as seen in the longitudinal direction of the containers, and a vertical rear wall (21), arranged on that side of the lower coupling protrusion (11) which is opposite the coupling lug (22), such that the distance (b) between a free edge (25) of the coupling lug (22) and the rear wall (21) is smaller than or equal to the width of an upper slotted hole in the upper corner fitting. In order for two containers which are stacked one on top of the other to be coupled securely even when subjected to purely tensile forces, the coupling element according to the invention is characterized in that the lower coupling protrusion (11), in the rear wall (21), has a recess (26) which extends in the form of a groove over the entire length of the lower coupling protrusion (11).

IPC 8 full level
B65D 90/00 (2006.01)

CPC (source: CN EP KR US)
B65D 90/0013 (2013.01 - CN EP KR US); **B65D 2590/0033** (2013.01 - CN EP KR US); **Y10T 403/55** (2015.01 - EP US)

Cited by
DE102018105532B3; DE102018133358A1; DE102019100844A1; EP3670386A1; EP3680194A1

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)
DE 202012103348 U1 20120911; CN 104603030 A 20150506; CN 104603030 B 20160914; DE 112013004317 A5 20150917; DK 2892828 T3 20170424; EP 2892828 A1 20150715; EP 2892828 B1 20170118; KR 101694081 B1 20170106; KR 20150027826 A 20150312; US 2015203287 A1 20150723; WO 2014032659 A1 20140306

DOCDB simple family (application)
DE 202012103348 U 20120903; CN 201380045923 A 20130903; DE 112013004317 T 20130903; DE 2013100315 W 20130903; DK 13783242 T 20130903; EP 13783242 A 20130903; KR 20157002913 A 20130903; US 201314418255 A 20130903