

Title (en)

SELF-LOCKING AND -RELEASING CONNECTOR GROUP FOR THE CONNECTION OF TWO COMPONENTS, AT LEAST ONE OF WHICH COMPRISES AN UNDERCUT HOLE

Title (de)

SELBSTTÄTIG SPERRENDE UND LÖSENDE VERBINDUNGSBAUGRUPPE ZUM VERBINDEN ZWEIER BAUTEILE, VON DENEN WENIGSTENS EINES EIN HINTERGREIFBARES LOCH AUFWEIST

Title (fr)

ELEMENT DE LIAISON A VERROUILLAGE ET LIBERATION AUTOMATIQUES POUR RACCORDER DEUX ELEMENTS DE STRUCTURE DONT AU MOINS UN PRESENTE UN TROU ACCROCHABLE PAR L'ARRIERE

Publication

**EP 1268311 B1 20040128 (DE)**

Application

**EP 01929518 A 20010406**

Priority

- DE 10017236 A 20000406
- DE 10032566 A 20000705
- EP 0103967 W 20010406

Abstract (en)

[origin: US2003164375A1] The invention relates to a self-locking and -releasing connector group, for the connection of two components, at least one of which comprises a hole for the partial introduction of the connector group and which is preferably a corner fitting on a sea freight container. Said group comprises a housing (2), at least one locking component (170), which can be displaced back and forth between a released position and a closed position, a stop component, displaceably mounted on the housing, whereby the housing may be fixed to one of the components and the locking component, in the released position thereof, may be inserted in the hole of the other component, during the relative manoeuvring of the components to be fixed together. Said stop component is moved, relative to the housing, by the other component during further relative manoeuvring of the components, which moves the locking component from the released position into the locked position, in which it engages with the undercut in the longitudinal hole, thus locking the two components together. The group further comprises a locking device (182), which prevents a displacement of the locking component (170), from the locked position into the released position, on a separation of the two components which are locked together, when the above are accelerated above a certain level and/or displaced from the rest position.

IPC 1-7

**B65D 90/00**

IPC 8 full level

**B63B 25/00** (2006.01); **B65D 90/00** (2006.01)

CPC (source: EP US)

**B65D 90/0013** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0176980 A1 20011018**; AT E258529 T1 20040215; CN 1209272 C 20050706; CN 1427791 A 20030702; DE 10032566 A1 20020117; DE 50101402 D1 20040304; EP 1268311 A1 20030102; EP 1268311 B1 20040128; JP 2003530280 A 20031014; US 2003164375 A1 20030904

DOCDB simple family (application)

**EP 0103967 W 20010406**; AT 01929518 T 20010406; CN 01808944 A 20010406; DE 10032566 A 20000705; DE 50101402 T 20010406; EP 01929518 A 20010406; JP 2001574467 A 20010406; US 25704902 A 20021004