

Title (en)
CONTAINER CONNECTING METAL FIXTURE

Title (de)
BEHÄLTERVERBINDUNGSBEFESTIGUNGSVORRICHTUNG AUS METALL

Title (fr)
FIXATION METALLIQUE RELIEE A UN CONTENANT

Publication
EP 1666378 A1 20060607 (EN)

Application
EP 03733240 A 20030602

Priority
JP 0306960 W 20030602

Abstract (en)
A container coupling metal joint of the invention comprises a joint main body 2 having an upper fitting portion 22 and a lower fitting portion 23 capable of respectively fitting into engaging apertures of container corner fittings of the container, a shaft 3 pivoted rotatably to the joint main body 2, an upper metal fitting 4 and a lower metal fitting 5 capable of respectively engaging with the engaging apertures of the corner fittings of the container, and an operation member 7 for rotating the shaft. The joint main body 2 is provided with a rotation mechanism 6 for rotating the shaft 3 by receiving the action of the load of the container. The shaft 3 is provided with spring means 34 for urging and rotating the upper metal fitting 4 to the position at which it overlaps the upper fitting portion 22. The upper metal fitting 4 includes cutouts 4x formed at diagonally opposite corner portions of the lower face on the side in engagement with the engaging apertures of the corner fittings of the container.

IPC 1-7
B65D 90/00; **B63B 25/00**

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

CPC (source: EP US)
B63B 25/004 (2013.01 - EP US); **B65D 90/0013** (2013.01 - EP US); **B65D 90/002** (2013.01 - EP US); **B65D 2590/0033** (2013.01 - EP US); **Y10T 403/7062** (2015.01 - EP US)

Cited by
ITMO20080333A1; GB2523471A; GB2523471B; WO2010076647A3

Designated contracting state (EPC)
DE DK GB NL SE

DOCDB simple family (publication)
US 2005191124 A1 20050901; CN 1688497 A 20051026; EP 1666378 A1 20060607; EP 1666378 A4 20071017; JP WO2004108564 A1 20060720; TW 200427594 A 20041216; WO 2004108564 A1 20041216

DOCDB simple family (application)
US 51322204 A 20041103; CN 03812496 A 20030602; EP 03733240 A 20030602; JP 0306960 W 20030602; JP 2005500525 A 20030602; TW 92115075 A 20030603