

Title (en)
IMPROVEMENTS IN FOLDING CONTAINERS

Title (de)
VERBESSERUNGEN VON FALTBEHÄLTERN

Title (fr)
AMÉLIORATIONS DE CONTENEURS PLIABLES

Publication
EP 2203364 A4 20120425 (EN)

Application
EP 08756939 A 20080613

Priority
• AU 2008000859 W 20080613
• AU 2007905062 A 20070917

Abstract (en)
[origin: WO2009036484A1] A collapsible air freight container (10) also known as a unit load device, comprises a standard base (12), commonly used on unit load devices, a side panel (16) slideably hinged to the base and a back panel (18) which is hinged to the base which interlocks with the side panel. There is a side extension (20) which is generally trapezoidal to roughly conform to the shape of a side wall of a plane's cargo hold. The side extension (20) includes a frame which (22) is hinged to the base and two trapezoidal (front and rear) panel extensions (24, 26) hinged to the frame. The side extension (20) is completed by a lid (28) and side wall panel (32) connected together by a hinge (34) with the lid (28) being hinged to a top of the frame, and by a sloping bottom panel (36) and relatively short side wall panel (40) hingedly connected to each other with the bottom panel (36) also being hinged to a bottom member of the frame. A lid is slideably mounted on top of the container so that it can be slid relative to the back panel. The lid is arranged so that when fully retracted to the back of the container relative to the back panel, it may pivot to overlay the back panel. As is typical of unit load devices the front of the container is open but may be covered by a flexible curtain or the like. The container may be collapsed by retracting and pivoting the lid to overly the back panel (18), folding the side extension (20) within the frame (22), folding and sliding the side panel (16) into the base (12) and lowering the folded side extension (20) and then the back panel (18) and lid (40) into the base.

IPC 8 full level
B65D 88/02 (2006.01); **B65D 6/18** (2006.01); **B65D 88/14** (2006.01); **B65D 88/52** (2006.01); **B65D 90/02** (2006.01); **B65D 90/08** (2006.01)

CPC (source: EP)
B65D 88/14 (2013.01); **B65D 88/522** (2013.01); **B65D 90/021** (2013.01)

Citation (search report)
• [I] US 5941405 A 19990824 - SCALES PETER BRUCE [CA], et al
• [I] EP 1061009 A1 20001220 - ALUSUISSE TECH & MAN AG [CH]
• [A] US 2007056967 A1 20070315 - DOBRINSKI BRIAN T [US], et al
• [A] EP 1528012 A1 20050504 - POSTE [FR]
• See references of WO 2009036484A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009036484 A1 20090326; EP 2203364 A1 20100707; EP 2203364 A4 20120425

DOCDB simple family (application)
AU 2008000859 W 20080613; EP 08756939 A 20080613