Title (en)

CONTAINERS FOR BEVERAGES AND THE LIKE.

Title (de)

BEHÄLTER FÜR GETRÄNKE UND DGL.

Title (fr)

RECIPIENTS POUR BOISSONS ET AUTRES.

Publication

EP 0015272 A1 19800917 (EN)

Application

EP 79900616 A 19791217

Priority

- JP 2437779 A 19790302
- JP 6207078 A 19780524
- JP 7001978 U 19780524
- JP 9647678 U 19780713
- JP 13440578 A 19781031

Abstract (en)

[origin: GB2036684A] A container (12) for flowable materials including liquids such as fruit juices and other beverages comprises a tubular body member (14) composed of five plies bonded to each other, the first third and fifth plies (16) (18) (20) being each formed of an elongated helically wound polyolefin whose edges are overlapped and bonded with those of adjacent convolutions to form a cylindrical layer. The second and fourth plies are formed of a helically wound elongated cup paper sheet material which is thicker than the polyolefin sheet material and whose edges are in abutment with those of adjacent convolutions to form a cylindrical layer. In another container (50), the tubular body member (52) is composed of a first (innermost) ply (58) of polyolefin sheet material having overlapped convolutions a second ply (60) of aluminium sheet both sides of which are laminated by thin paper (61) (63), a third ply (68) of kraft paper liner having butted convolutions, and a fourth ply (66) of polyolefin sheet material having overlapped convolutions. In yet another container (80), the tubular body member (82) is composed of at least two layers, the innermost layer (94) being formed from a sheet of synthetic resin having overlapped convolutions and provided with a continuous bond or weld (98) along the overlapped portion and a second bond (100) adjacent to the first so as to form and define a slack portion (104) of the overlap adapted to be taken up inwardly in response to negative pressure in the container. The tubular body member of the container is hermetically sealed with end-closures (84) (85) at least one of which can be formed of rigid sheet material of sufficient flexibility and provided with an initially outwardly bulged disshaped portion whereby the dis-shaped portion can be inwardly deflected to relieve negative internal pressure, such as results from thermal contraction of the contents of the container.

Abstract (fr)

Un recipient (12) pour materiaux coulants y compris des liquides tels que jus de fruits et autres boissons comprend un corps tubulaire (14) compose de cinq plis relies entre eux, le premier, le troisieme et le cinquieme plis (16) (18) (20), chacun etant forme d'une polyolefine allongee enroulee en spirale dont les bords sont recouverts et lies par ceux des replis adjacents pour former une couche cylindrique. Le second et le quatrieme plis sont formes d'un materiau en feuille de papier pour gobelet, allongee et enroulee en spirale qui est plus epais que le materiau en feuille de polyolefine et dont les bords sont en accoles avec les replis adjacents pour former une couche cylindrique. Dans un autre recipient (50), le corps tubulaire (52) se compose d'un premier (le plus a interne) pli (58) d'un materiau en feuille de polyolefine ayant des replis recouverts, un second pli (60) d'une feuille d'aluminium dont les deux faces sont laminees avec du papier fin (61) (63), un troisieme pli (68) de papier d'emballage fort ayant des replis en accoles et un quatrieme pli (66) d'un materiau en feuille de polyolefine ayant des replis recouverts. Dans un autre recipient (80), le corps tubulaire (82) se compose d'au moins deux couches, la couche la plus interne (94) etant formee avec une feuille de resine synthetique ayant des replis imbriques et ayant un joint ou soudure continue (98) le long de la partie imbriquee et un second joint (100) adjacent au premier de maniere a former et a definir une partie molle (104) du chevauchement ou imbrication prevue pour le rattrapage en reponse a une pression negative dans le recipient. Le corps tubulaire du recipient est hermetiquement ferme avec des fermetures aux extremites (84) (85) dont l'une au moins peut etre formee d'un materiau en feuille rigide ayant une flexibilite suffisante et une partie deformee ballonnee initialement vers l'exterieur de maniere a ce que la partie deformee puisse s'incurver vers l'interieur en vue de reduire la pression negative interieure, comme celle qui

IPC 1-7

F16L 11/04; B65B 55/14; B65D 41/10

IPC 8 full level

B65B 55/14 (2006.01); **B65D 3/22** (2006.01); **B65D 41/10** (2006.01); **F16L 11/04** (2006.01); **F16L 11/16** (2006.01)

CPC (source: EP)

B65D 3/22 (2013.01); **B65D 15/06** (2013.01); **F16L 11/045** (2013.01)

Designated contracting state (EPC)

FR

DOCDB simple family (publication)

GB 2036684 A 19800702; AU 4711079 A 19791129; AU 525365 B2 19821104; BE 876506 A 19790917; BR 7908695 A 19800422; CA 1133837 A 19821019; DE 2950514 A1 19801211; EP 0015272 A1 19800917; EP 0015272 A4 19800929; IT 1192775 B 19880504; IT 7968101 A0 19790523; NL 7903812 A 19791127; SE 8000539 L 19800123; WO 7901113 A1 19791213

DOCDB simple family (application)

GB 8001935 A 19790523; AU 4711079 A 19790516; BE 195360 A 19790523; BR 7908695 A 19790523; CA 327143 A 19790508; DE 2950514 A 19790523; EP 79900616 A 19791217; IT 6810179 A 19790523; NL 7903812 A 19790515; SE 8000539 A 19800123; US 7900351 W 19790523